

2021

## Southern Adventist University Undergraduate Catalog 2020-2021

Southern Adventist University

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# Undergraduate Catalog 2020-21

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Undergraduate Studies

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# This is Southern

## Southern Offers

Southern Adventist University is a co-educational institution established by the Seventh-day Adventist Church, offering doctoral, master's, baccalaureate, associate degrees, and one-year certificates. Various delivery modalities (face-to-face, online, hybrid and other) are employed in order to effectively support learners enrolled in the university's classes and programs.

## The Mission

Grounded in Jesus Christ and dedicated to the beliefs of the Seventh-day Adventist Church, we equip students to embrace biblical truth, embody academic and professional excellence, and pursue Spirit-filled lives of service.

## The Vision

Southern Adventist University's vision is to:

- Model the love of Jesus in every interaction.
- Invite each student into a saving relationship with Jesus.
- Inspire each student to engage with God's Church and the world through service and witness.
- Provide each student with an exceptional learning experience that equips them to thrive in a fluid, global job market.

## Core Values

As Southern Adventist University employees, we:

- Embrace the Seventh-day Adventist Church's Worldview and Fundamental Beliefs
- Love Others as God Loves Them
- Act with Integrity
- Live Prayerfully
- Serve Others Generously
- Follow God's Calling
- Pursue Excellence
- Exercise Responsible Stewardship
- Offer an Exceptional, Wholistic Learning Experience

## Educational Philosophy

Rooted in its theological understanding of God and humanity, the educational philosophy of the Seventh-day Adventist church is summarized as follows:

- God, the Creator and Sustainer of the universe, is the Source of all knowledge.
- Created in the image of God for the purpose of communion with Him, humanity has sinned and has separated from Him.
- Through infinite love, God sent His Son to restore this relationship with us—a personal relationship that begins now and continues throughout eternity.

Within the context of this theological understanding, education is viewed as an essential element of redemption, and must focus on developing the whole person. Through harmonious development of the physical, mental, and spiritual, and social dimensions, the individual becomes better equipped to bring wholeness to a broken world.

## Institutional Goals

Southern Adventist University will

- **Learning Community**  
nurture a learning community that engages students with ideas that mark educated persons, global and multicultural perspectives, and advanced technology to develop both ethical principles and intellectual flexibility..
- **Faculty and Staff**  
hire and develop a competent and diverse faculty and staff who model balanced ethical lives, integrate faith and learning, demonstrate scholarship through teaching, research, and other scholarly and creative activities, and celebrate and energize the student spirit as they respect and support the different ways students develop their minds, their persons, and their citizenship.
- **Students**  
recruit, retain, and support a capable, diverse student body.
- **Campus Environment**  
provide a safe, nurturing learning community of faith for students, faculty, and staff.
- **Student Service**  
enable every student to participate in local service and/or mission service activities.
- **Partnerships**  
pursue and nurture partnerships with alumni, church, community, business and industry, civic organizations, and government in order to analyze, project, and respond to changing needs to help ensure that graduates are prepared for a life of service.
- **Stewardship**  
steward resources entrusted to the university through effective fiscal management to fulfill its mission, vision and goals.

## Student Learning Goals

Undergraduate students of Southern Adventist University will

- **Spiritual Development**  
grow in a vibrant relationship with the Lord Jesus Christ, while integrating into their lives Bible-based beliefs and values as understood by the Seventh-day Adventist church.
- **Intellectual Development**  
develop a commitment to life-long-learning and demonstrate a mastery of the cognitive skills of critical reasoning, independent thinking, reflective judgment, communication, and creativity needed to confront the issues, ideas, and values of historical and contemporary civilization.
- **Individual and Social Development**  
develop socio-emotional maturity that enables them to be effective leaders and contributing members of their churches, families, groups, and communities in a global society.
- **Physical Development**  
take responsibility for their own well-being through a healthy lifestyle.

## History

In 1892 the educational venture that developed into Southern Adventist University had its beginning in the small village of Graysville, Tennessee. The school became known as Graysville Academy. In 1896 the name was changed to Southern Industrial School and five years later to Southern Training School.

In 1916 because of limited acreage available for further expansion of plant facilities, the school was moved to the Thatcher farm in Hamilton County, Tennessee. The name “Collegedale” was given to the anticipated community. At its new location, the school opened as Southern Junior College and continued as such until 1944 when it achieved senior college status and the name was changed to Southern Missionary College. In 1982 the name was changed to Southern College of Seventh-day Adventists.

In 1996 graduate studies were added to the curriculum and the name was changed again, this time to Southern Adventist University. In 2012, a doctor of nursing practice was added to the curriculum.

## Setting

Southern Adventist University's one-thousand-acre Collegedale campus is nestled in a valley 18 miles east of Chattanooga. The quietness and beauty of the surroundings are in keeping with the University's educational philosophy.

## Accreditation and Memberships

Southern Adventist University is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award one-year certificates, associate, baccalaureate, master's and doctoral degrees. Contact the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Southern Adventist University.

It is also accredited by the Accrediting Association of Seventh-day Adventist Schools, Colleges, and Universities. Additional information regarding the University may be obtained by contacting the State Board of Independent Colleges and Universities, Department of Education, Tallahassee, FL 32399 (850.488.8695).

Schools and departments of the University are also accredited by various organizations as follows:

- Southern Adventist University has received accreditation for its business and business-related programs through the International Accreditation for Collegiate Business Education (IACBE), Olathe, Kansas. The following degree programs are accredited by the IACBE:
  - Bachelor of Business Administration degree
  - Bachelor of Science degrees in Business Administration, Corporate Community Wellness Management, Health Services and Senior Living, and Sports Studies
  - Master of Business Administration
- The Health Services and Senior Living program is accredited by the National Association of Boards of Examiners of Long Term Care Administrators.
- The School of Computing's B.S. in Computer Science program (including both the Computer Science and Embedded Systems concentrations) is accredited by the Computing Accreditation Commission of ABET, <http://www.abet.org>.
- The School of Education and Psychology is accredited by the Council for the Accreditation of Educator Preparation (CAEP), Washington, D.C. (phone 202.223.0077) for Initial Preparation (ITP). The University is approved by the Tennessee State Board of Education for the preparation of secondary and elementary teachers.
- The School of Education and Psychology clinical mental health counseling program and school counseling program are accredited by the Council for Accreditation of Counseling and Related Education Programs (CACREP), [cacrep.org](http://cacrep.org) (Alexandria, VA 22314, telephone number, 703.535.5990).
- The School of Music is a fully-accredited member of the National Association of Schools of Music.
- The Associate of Science, Bachelor of Science, and Master of Science degree programs in nursing are accredited by the Accreditation Commission for Education in Nursing (ACEN), 3343 Peachtree Road, NE, Suite 850, Atlanta, GA 30326. The School of Nursing is an agency member of the Council of Baccalaureate and Higher Degree Programs and the Council of Associate Degree Programs of the National League for Nursing. The School of Nursing is approved by the Tennessee Board of Nursing.
- The Bachelor of Science in Physical Education is NCATE accredited through the Council for the Accreditation of Educator Preparation (CAEP). The bachelor degrees in Corporate/

Community/Wellness Management and Sport Studies, offered in conjunction with the School of Business, are accredited by the International Accreditation for Collegiate Business Education. The Bachelor of Science in Corporate/Community Wellness Management as an accredited academic program by the National Wellness Institute. All of these graduates are Certified Wellness Practitioners.

- The Social Work program is accredited by the Council on Social Work Education.

Southern Adventist University is also a member of the Association of American Colleges, the American Council on Education, the Tennessee College Association, and the American Association of Colleges for Teacher Education.

## Academic Program

Southern Adventist University offers 1 doctor of nursing practice with 8 emphases, 9 master's degree programs with 39 emphases, 71 baccalaureate degree majors, 20 associate degree majors, 60 minors, and 2 one-year certificates. Additional preprofessional and terminal curricula are available to students seeking admission to professional schools. (See Degrees and Curricula ). Eleven departments/schools offer secondary teaching certification.

## Online Learning

Online courses are designed to be dynamic, with frequent student and professor interaction; for example, live class meetings are held online and students interact with both the instructor and one another in discussion forums. Class resources are available on eClass, Southern Adventist University's course management system.

A number of graduate degree programs are available entirely online, and some undergraduate courses also are available, including dual enrollment courses for high-school students. Certification courses are offered for teachers in North American Division K-8 schools.

## Students

Fifty-four percent of the students of Southern Adventist University come from the eight states constituting the Southern Union Conference of Seventh-day Adventists. However, most of the additional states and 8 foreign unions are also represented. The ratio of men to women is 43% to 57%.

Former Southern Adventist University students are now serving in the ministerial, teaching, medical, and other services of the Seventh-day Adventist Church at home and abroad. Others are engaged in advanced study, business pursuits, government service, research activities, private and institutional medical services, and the teaching professions on all levels

## Facilities

The following buildings house the academic and other activities of the University:

Brock Hall-Business, English, History and Political Studies, Journalism and Communication, Visual Art and Design

Daniells Hall-Social Work

Florida Hospital Hall-Nursing

Hackman Hall-Religion

Hickman Science Center-Biology, Chemistry, Computing, Mathematics, Physics and Engineering

Hulsey Wellness Center-Gymnastics Center, Physical Education, Health and Wellness

J. Mabel Wood Hall-Music

Ledford Hall-Technology

Lynn Wood Hall-Heritage Museum, Advancement, Alumni, Development, Learning  
Success Services/Counseling and Testing

McKee Library-Main Campus Library

Miller Hall-Modern Languages

Sanford & Martha Ulmer Student Center-Computer Center, Campus Ministries, Dining  
Hall, student activity rooms, K.R.'s Place

Summerour Hall-Education and Psychology, Teaching Material Center

William Iles Physical Education Center- Gymnasium, Swimming Pool

Wright Hall-Administration

Other facilities on or near campus that may serve student needs:

Campus Services-Security

Charles Fleming Plaza-shopping center with businesses serving the University and  
community. Includes:

Adventist Book Center

Campus Shop-student bookstore and gift shop

Collegedale Credit Union

Quick Print

United States Post Office

Village Market with grocery, deli, bakery

Collegedale Academy-secondary laboratory school

Collegedale Adventist Middle School

Collegedale Korean Church

Collegedale Seventh-day Adventist Church Recreational Area-tennis courts, track, playing  
field

Southern Village-student housing

Arthur W. Spalding Elementary School-laboratory school

Spalding Cove Apartments-married student housing

Spanish-American Seventh-day Adventist Church

Student Apartments

Student Park

Talge Hall-men's residence hall

Thatcher Hall-women's residence hall

Thatcher South-women's residence hall

University Health Center-health services

Winding Creek Apartments-married student housing

## **Something to keep in mind -**

Although this CATALOG is not a textbook, you will refer to it often during your university career. It describes the academic program you select and the requirements you must fulfill to graduate. Before you enroll at Southern or register for any succeeding semester, you should satisfy yourself that you are familiar with this Catalog.

Two important parts of your academic life are General Education and your field of concentration. You will find it especially valuable to read carefully the sections of the Catalog that explain these programs.

Every attempt has been made to prepare this Catalog so everyone may understand it, but some of the information may still be confusing to you. Also, because changes may occur in your program requirements, you may encounter contradictions between this Catalog and advice that you later receive. Talk to someone about the sections of this Catalog that are not clear.

The first person to talk to is your academic adviser. You may also find help from the chair/dean of your department/school. It may be necessary to visit with the Director or Assistant Director of Records and Advisement. The Vice President and Associate Vice President for Academic Administration are also available to assist you. If you need explanations about financial questions, talk with the Vice President of Enrollment Management or the Director of Student Finance.

Remember that you are the one who selects your program of study and it is your responsibility to know the graduation requirements and meet them.

In publishing this catalog, every reasonable effort has been made to be factually accurate. The publisher assumes no responsibility for editorial, clerical, or printing errors. The information presented is, at the time of printing, an accurate description of course offerings, policies, and requirements of Southern Adventist University. The provisions of this catalog, however, are not to be regarded as an irrevocable contract between the university and the student. The university reserves the right to change any provision or requirement at any time, without prior notice



# 2020-21 Academic Calendar

The Southern Adventist University summer term consists of three sessions and a semester. Students in attendance during the 2020-21 school year may register online on March 30 until the session begins.

## 1st Summer Session, 2020

Mar 30-May 10	Registration
May 11	Classes Begin
May 13	Last Day to Add a Course/Fee for Class Change
May 22	Last Day to Drop
May 29	Classes End
Jun 2	Summer Session 1 Grades due 5:00 p.m.

## 2nd Summer Session, 2020

Mar 30-May 31	Registration for Summer Session 2
Jun 1	Classes Begin
Jun 3	Last Day to Add a Course/Fee for Class Change
Jun 12	Last Day to Drop
Jul 16	ACT Examination 1:00 Lynn Wood Hall
Jul 24	Classes End
Jul 28	Summer Session 2 Grades Due 5:00 p.m.

## 3rd Summer Session (SmartStart), 2020

Jul 16	ACT Examination 1:00 Lynn Wood Hall
Jul 19	Early Check-In for Science Classes, and JumpStart. Orientation 9:00-11:00 a.m., Dining Hall. Enrollment Activities 11:00 a.m. - 2:00 p.m., Wright Hall
Jul 20	Classes Begin in BIOL 101; CHEM 120
Jul 26	New Student Check In Iles PE Center-MAIN EVENT-9:00 a.m -2:00 p.m.
Jul 27	Classes Begin
Jul 26-Aug 20	See Orientation Schedule
Jul 29	Last Day to Add a Course/Fee for Class Change
Aug 7	Last Day to Drop
Aug 20	Classes End
Aug 18	New Student Check In Iles PE Center-MAIN EVENT-9:00 a.m.-2:00 p.m.
Aug 25	All Summer Session Grades Due 5:00 p.m

## 1st Semester

Aug 3-8	University Colloquium
Aug 17-23	Online Registration for Non-registered Students
Aug 16-21	Freshman/Transfer Orientation
Aug 23	Wright Hall open from 11:00-2:00 p.m.
Aug 24	Classes Begin
Aug 25	All S20 Grades due 5:00 p.m.
Aug 27	ACT Examination, 1:00 p.m. Lynn Wood Hall
Aug 31	Fee for Class Change and "W" Show on Transcript
Sep 7	Last Day to Add a Class/Census date
Oct 14	Mid-term Ends
Oct 15-18	Mid-semester Break
Oct 20	Mid-term Grades Due 5:00 p.m.
Oct 23	Deadline to request Dec/May Graduation at Records Office

Oct 27	Senior Class Organization 11:00 a.m. Lynn Wood Hall
Oct 29	Last Day to Drop a Class
Oct 29-Nov 1	Alumni Homecoming
Nov 2	Southern Scholars Pre-Registration
Nov 3-4	Seniors Pre-Registration>93 hours
Nov 5-6	Juniors Pre-Registration>54 hours
Nov 9-10	Sophomores Pre-Registration>23 hours
Nov 11-13	Freshmen Pre-Registration<24 hours
Nov 16	Online Registration for W21 opens for New/Transfer Students
Nov 16	Progress Grades due for Dec Graduates
Nov 16	Dec Senior Deadline for Correspondence/Incompletes/Home Study
Nov 23-29	Thanksgiving Vacation
Dec 14-17	Semester Exams
Dec 15	All Incomplete Grades for W20/S20 Due
Dec 17	Commencement, 7:00 p.m.
Dec 18-Jan 10	Christmas Vacation
Dec 21	Fall Semester Grades due by 5:00 p.m.
Dec 23-Jan 3	Wright Hall Closed

### 2nd Semester

Jan 7	ACT Examination 1:00 Lynn Wood Hall
Jan 10	Enrollment Activities for New Students, 11:00 a.m. - 2:00 p.m. Wright Hall
Jan 11	Classes Begin
Jan 18	Martin Luther King, Jr. Day/No Class/Community Service Day
Jan 20	Fee for Class Change and "W" Show on Transcript
Jan 25	Last Day to Add A Class/Census Date
Mar 5	Mid-term Ends
Mar 9	Mid-term Grades due 5:00 p.m.
Mar 12-21	Spring Break
Mar 25	Last Day to Drop
Mar 29	Southern Scholar Pre-Registration
Mar 29	Registration Opens for S21S1, S21S2
Mar 30-31	Senior Pre-Registration>93 hours
Apr 1-2	Junior Pre-Registration>54 hours
Apr 5-6	Sophomores Pre-Registration>23 hours
Apr 7-9	Freshmen Pre-Registration<24 hours
Apr 12	May Senior Deadline for Correspondence/Incompletes/Home Study
Apr 12	F21 Registration Open for New/Transfer
Apr 12	Last Day to Order Regalia for May Graduation
May 3-6	Semester Exams
May 9	Commencement/Semester Ends
May 11	Winter Semester Grades Due by 5 p.m.

### May 10-Aug 19 Summer Sessions 2021

# Admissions

Southern Adventist University welcomes applications from students who seek a university career that unites spirituality and academic integrity and who commit themselves to an educational program designed according to Christian principles as taught by the Seventh-day Adventist Church. The University does not discriminate in admissions on the basis of age, gender, race, color, ethnic or national origin, religion, or handicap.

## Application Procedure for Admission

- Prospective students should request application forms from the Admissions Office or can apply on the Internet at [apply.southern.edu](http://apply.southern.edu).
- Completed paper applications should be returned to the Admissions Office with an application fee of \$40. Online application fee is \$25.
- It is the student's responsibility to request any former schools (high school and college) to forward transcripts to the university in support of the application. These will become the property of the University.
- It is the student's responsibility to forward the ACT or SAT test scores to the university.
- Upon receipt and evaluation of the application, transcripts of credits and test scores, the Admissions Office will notify the applicant of the admission decision.

**Southern Adventist University must have received a final official high school transcript or GED scores from each student before he or she will be allowed to proceed to registration for the second semester.**

## Admission of Freshman Students\*

For priority processing and scholarship consideration, applications of incoming freshmen should be submitted by March 1 for the fall semester. There is no priority deadline for the winter or summer semesters. Applications will no longer be accepted for the fall, winter, or summer semester upon the first day of classes.

Applicants for regular admission as freshmen (less than 24 college credits) must satisfy one of the following four conditions at the time of enrollment:

## Regular Acceptance

1. Graduate from an approved secondary school with a grade point average (GPA) of at least 2.50 (on a 4.00 scale) in major subjects,\*\* and have a minimum composite ACT (American College Test) of 18 or an SAT (Scholastic Aptitude Test) of 960 (Evidence-Based Reading & Writing, Math).
2. Pass the General Education Development (GED) test with a minimum score of 150 on each section and a total score of at least 650 overall, and have a minimum composite ACT (American College Test) of 18 or an SAT (Scholastic Aptitude Test) of 960 (Evidence-Based Reading & Writing, Math). Each GED applicant must have an official transcript of his or her grades and credits sent to the Admissions Office from the high school most recently attended.
3. Pass the HiSET test with a minimum score of eight in each subtest, two on the essay, and a total scaled score of 62, and have a minimum composite ACT (American College Test) of 18 or an SAT (Scholastic Aptitude Test) of 960 (Evidence-Based Reading & Writing, Math).
4. Applicants who have completed their high school education in a home school setting must have an ACT (American College Test) minimum composite test score of 18 or an SAT (Scholastic Aptitude Test) of 960 (Evidence-Based Reading & Writing, Math), and submit a portfolio which must include the following documents:

- If the student participated in or completed a course of study through a correspondence school, the student must submit an official transcript from that school. If the student was taught partially or completely within the home, then it will be necessary to create a transcript of class work of the entire high school experience. Include course description, when the course was taken, as well as grade achieved. For example, "Algebra I: Fall, 2013, B+, 1 unit". The home school transcript must show the graduation date and be signed and dated by one of the parents.
- A written statement reflecting on the value the student received from his or her home school experience.

*\*Those planning to enter professions such as business, computing, education, journalism and communication, nursing, music education, or religion should also consult the respective school for any additional admission requirements.*

*\*\*Major subjects: English, mathematics, natural science, religion, social science, and foreign language.*

## Probationary Acceptance

Applicants who do not meet the requirements for regular acceptance will be considered for admission on academic probation as outlined below

1. Grade point average (GPA) not lower than 2.25 (on a 4.00 scale).
2. Minimum composite ACT (American College Test) not less than 16 or SAT (Scholastic Aptitude Test) not less than 880 (Evidence-Based Reading & Writing, Math).
3. GED minimum score of 145 on each section and total score of at least 580 overall.
4. HiSET minimum score of eight in each subtest, two on the essay and total scaled score not less than 45.

Applicants admitted on academic probation are expected to attend a one-week summer intensive followed by an approved SmartStart class. Alternative options are offered on a case-by-case basis for fall and winter semesters. Academic probation allows a maximum enrollment of 13 credit hours.

Students will be reviewed by the Academic Review Committee at the end of the semester at which time they will either be placed on regular standing, remain on probation, or be academically dismissed.

Applicants wishing to request additional consideration of their admission decision may appeal to the Admissions Committee. Appeal should be made in writing to applications@southern.edu

## Subjects Required for Admission

Applicants to freshman standing must have, at the minimum, the following subjects in their secondary program:

1. Three units of English, excluding journalism and communication.
2. Two units of mathematics, one of which must be algebra. If Algebra 1 has not been taken, MATH 081 must be taken to make up for this deficiency.
3. Two units of science. A college class in biology, chemistry, or physics must be taken in addition to general education science requirements if this condition is not met.
4. Two units of social studies.
5. Two units in a foreign language are required for a B.A. degree. If deficient, one year of a foreign language at the college level will be required.
6. Computer competency is strongly recommended.

## Admission of Transfer Students

For priority processing and scholarship consideration, applications of transfer students should be submitted by June 1 for the fall semester and November 1 for the winter

semester. There is no priority deadline for the summer semester. Applications will no longer be accepted for the fall, winter, or summer semester upon the first day of classes.

## Regular Acceptance

Transfer students must submit a transcript from an officially accredited college or university, with evidence of a GPA of 2.00 in major subjects, as well as a minimum composite ACT (American College Test) of 18 or an SAT (Scholastic Aptitude Test) of 960 (Evidence-Based Reading & Writing, Math) prior to registration. Students who have a transfer GPA of 2.50 or above in 12 hours of major subjects such as general education courses offered at Southern in general education areas I or S (see Catalog under General Education), may be exempt from the ACT/SAT requirement unless required by individual department or school.

## Probationary Acceptance

Applicants who do not meet the requirements for regular acceptance will be considered for admission on academic probation as outlined below.

1. Transfer grade point average for all schools attended not lower than a 2.00 (on a 4.00 scale).
2. Minimum composite ACT (American College Test) not less than 16 or SAT (Scholastic Aptitude Test) no less than 880 (Evidence-Based Reading & Writing, Math).

Academic probation continues for the entire first semester and allows a maximum enrollment of 13 credit hours, one of which must be NOND 105 The University Enrichment, for the semester.

Students will be reviewed by the Academic Review Committee at the end of the semester at which time they will either be placed on regular standing, remain on probation, or be academically dismissed.

Applicants wishing to request additional consideration of their admission decision may appeal to the Admissions Committee. Appeal should be made in writing to [applications@southern.edu](mailto:applications@southern.edu).

## Transfer Credits

Southern accepts credits from all regionally accredited institutions and verifiable credit from international and non-accredited institutions. Credit by examination taken at other colleges will be accepted according to Southern Adventist University standards (see "University Credit by Examination" in the Academic Policies section of the Catalog). Background deficiencies revealed by transcripts and entrance examinations will be given individual attention.

The criteria for evaluating transfer work from an accredited school is based on guidelines given in Transfer Credit Practices AACRAO 2015 guide. The ACE recommendation guide is used for evaluating transcripts for the veterans of the armed forces. Credit may be considered for courses taken at institutions which are not regionally accredited only after the student has completed at least 16 semester hours at Southern Adventist University with a 2.00 or better average. Transfer courses that are comparable to Southern Adventist University courses may be recorded with an earned grade of "C-" or higher. All college transfer work from Tennessee will be recorded to meet the requirements of the HOPE scholarship. Transfer credit from international foreign schools must be evaluated by a credentialed foreign evaluator. As a general rule, accredited international institution credit is usually issued with pass/fail grades.

A student who has been dismissed from another institution because of poor scholarship or citizenship, or who is on probation from that institution, is not generally eligible for admission until s/he can qualify for readmission to the institution from which s/he has been dismissed.

**Transfer students must submit both their official college and high school transcripts to the Enrollment Management Office before being allowed to continue registering for classes.**

## Admission of Non-Degree Students

Individuals who do not meet the above University admission requirements or who do not wish to become degree candidates, but who may desire limited credit for transfer to another institution of higher learning, may be allowed to register as non-degree students. A non-degree student may enroll for a maximum of five semester hours per term.

## Admission of International Students

The application deadline for international students is June 1 for the fall semester and October 1 for the winter semester. An international student must also complete the acceptance process no later than July 1 for the fall semester or November 1 for the winter semester otherwise an I-20 will not be processed for that semester.

In addition to meeting the freshman or transfer acceptance criteria, an international student must send official records of all credits, degrees, diplomas and other credentials. Since certificates and records filed for examination are not ordinarily returned, applicants should send certified copies if the documents in question cannot be easily replaced. These documents must be submitted through one of the following credential evaluation service before an admission decision is determined\*:

- Education Credential Evaluators (ece.org)
- Scholaro (scholaro.com)
- International Education Evaluations, Inc. (myiee.org)
- World Education Services (wes.org)

Proficiency in English, both written and oral, must be determined as part of the admission process. This may be done by one of the following:

	Regular Admit	Regular Admit + ESL	Non-Admit
TOEFL IBT (Internet-Based)	≥79	45-78	<45
TOEFL PBT (Paper-Based)	≥550	450-549	<450
ITEP	≥4.0	3.0-3.9	<3.0
IELTS	≥6.5	5.5-6	<5.5
Duolingo English Test	≥115	80-114	<80

Completing four years of secondary education within the United States with a GPA of 2.50 and scoring a Composite, English, and Reading score of 18 or above on the ACT also meets the English Proficiency Test requirement for regular admit.

*\*Documents from institutions located in Bermuda and the Bahamas are exempt from using the evaluation services. Students entering from Canada should have their official high school transcript evaluated if no cumulative GPA is issued by their school.*

## F1 Visa—International Student I-20 Process

All students desiring an I-20 must meet the following criteria.

1. Be academically accepted
2. Submit legible copy of passport
3. Submit Declaration of Finances form to document available funding sufficient to pay first year expenses at Southern

4. Submit bank statements that gives evidence of support to the financial claims on the Declaration of Finances
5. Pay the \$3,000 International Student Deposit required of all non-U.S. citizens, except for citizens of Canada, Bermuda, and the Bahamas

International students should not leave their homeland until they have in their possession:

1. An admissions letter of acceptance from Southern Adventist University
2. Form I-20 (from Southern Adventist University)
3. A valid passport
4. A valid visa to travel to the United States

In addition to regular University expenses, there are other expenses for an international student. (Please refer to the Financing Your Education section of the Catalog.)

## Work

According to current immigration laws and university policy, international students with student visas may work on campus provided that employment is available, and provided that the student is enrolled in a full course of study for each semester in attendance and is making progress to the completion of a degree. On-campus employment is limited up to 20 hours per week from the first day of school through Monday after spring graduation. Such employment may be full time (up to 38 hours per week) during summer vacation provided that the student intends to register for the subsequent academic semester. The Human Resources Office monitors hours worked and notifies the student and the campus employer when a student works more than permitted during the week. If a student's work exceeds the allowed weekly amount, the student will become out of status with United States Citizenship and Immigration Services (USCIS). Spouses may work only if they have a student visa (or other eligible visa) of their own.

International students on non-immigrant visas are required by law to secure permission before accepting any off-campus employment.

## Full Course of Study

To maintain active I-20 status, international undergraduate students must be enrolled in a full course of study of at least 12 semester credit hours of classes each fall and winter semester in attendance. According to current immigration law, a maximum of three semester credit hours of online or distance learning classes can count toward the student's full course of study each fall and winter semester in attendance. Therefore, international undergraduate students must be enrolled in at least nine semester credit hours of courses taught using traditional face-to-face or hybrid course delivery modes each fall and winter semester in attendance.

For each semester credit hour, a face-to-face (F2F) or hybrid course must include at least eight seat-time hours of F2F classroom instruction during the semester. Directed study and supplemental instructional activities such as tutoring or office-hour interactions do not count toward fulfillment of designated classroom instruction hours.

During F2F classroom instruction, faculty must provide course content using direct instructional methods and related activities (e.g., peer-to-peer engagement, group projects, class discussions, case study analysis) that fulfill course goals, objectives and student learning outcomes.

## Admission to the Schools

Students majoring in a specific School should refer to that section of the Catalog for requirements pertaining to the admission into that School. The following Schools are:

- School of Business
- School of Computing

- School of Education and Psychology
- School of Journalism and Communication
- School of Music
- School of Nursing
- School of Physical Education, Health and Wellness
- School of Religion
- School of Social Work
- School of Visual Art and Design

## Extension Classes

Extension classes are university classes offered on the campuses of Southern Union academies as an opportunity for seniors to earn university credit in skills areas that will fulfill part of the General Education requirements at Southern Adventist University. Instructors are academy teachers who are qualified with appropriate credentials and experience.

To enroll in an extension class, students may be members of the junior/senior class with a grade point average of 3.00 or above during the years of their secondary education.

The extension classes must duplicate their university counterparts in content, degree of difficulty, testing and grading. The use of formal Advanced Placement (AP) courses may be used where such are available.

Academies that would like to participate in this program must contact the Vice President of Academic Administration to make application.

## Commitment Deposit

All Undergraduate Degree seeking students must pay or have on account the \$250 Commitment Deposit in order to register for classes. This deposit is required regardless of whether the student is a commuter student\* or residence hall/university housing student\*\*. Priority deadlines for the Commitment Deposit are May 1 for the fall semester and November 1 for the winter semester. Commitment Deposits are accepted after these dates, but all deposits become non-refundable after May 1 and November 1.

The Commitment Deposit must be kept on account in order for a student to register each semester. The deposit will be refunded after graduation or notification from the student on the intent to discontinue enrollment **starting one month after the end of the last semester in attendance**. If the student has an outstanding balance, the deposit will be used to cover the remaining balance before any credit is returned. In addition, for returning residence hall/university housing students, upon checkout of the student's housing assignment this deposit can be used, as necessary, to cover damage to the rental unit.

The deposit must also be on the student's account for residence hall/university housing students and allows students to reserve a room or apartment each succeeding year. The residence halls hold a Housing Fair each spring in order to facilitate room reservations for the following academic year. However, if a student changes his/her mind after reserving a room or apartment for the following year, and decides not to return, the Commitment Deposit is no longer refundable if notification occurs after June 1.

*\*Commuter students: Students who do not live in university housing.*

*\*\*Residence hall/university housing students: Students who live in university housing, including Talge Hall, Thatcher Hall, Thatcher South, Southern Village, Virginia Apartments, Stateside Apartments, Spalding Cove Apartments, Winding Creek Apartments, and other apartments and houses owned by the university.*



## Admission to Graduate Programs

For information on graduate programs see *Graduate Catalog*.

The degrees offered are:

### School of Business

*Master of Business Administration*

- Accounting
- Computer Information Systems
- Finance
- Healthcare Administration
- Management
- Marketing Management

*Dual Degree-MSN and MBA*

### School of Computing

*Master of Science in Computer Science*

- School of Education and Psychology

*Master of Science in Counseling*

- Clinical Mental Health Counseling
- School Counseling

*Master of Science in Education*

- Instructional Leadership
- Literacy Education
- Outdoor Education

*Post-Master's Certificate*

- Clinical Mental Health Counseling
- School Counseling

### School of Nursing

*Doctor of Nursing Practice*

- Acute Care - Adult/Gerontology Nurse Practitioner
- Acute Care - Specialization
- Lifestyle Medicine
- Nurse Educator
- Primary Care - Adult/Gerontology Nurse Practitioner
- Primary Care - Family Nurse Practitioner
- Primary Care - Psychiatric Mental Health Nurse Practitioner

*Doctor of Nursing Practice, BS/DNP*

- Acute Care - Adult/Gerontology Nurse Practitioner, BS/DNP
- Lifestyle Medicine, BS/DNP
- Nurse Educator, BS/DNP
- Primary Care - Adult/Gerontology Nurse Practitioner, BS/DNP
- Primary Care - Family Nurse Practitioner, BS/DNP
- Primary Care - Psychiatric mental health Nurse Practitioner, BS/DNP

*Master of Science in Nursing*

- Acute Care - Adult/Gerontology Nurse Practitioner
- Primary Care - Adult/Gerontology Nurse Practitioner
- Primary Care - Family Nurse Practitioner
- Primary Care - Psychiatric Mental Health Nurse Practitioner
- Nurse Educator

*Accelerated RN to MSN*

- Acute Care Nurse Practitioner-Adult/Gerontology
- Adult/Gerontology Nurse Practitioner
- Family Nurse Practitioner
- Nurse Educator
- Psychiatric Mental Health Nurse Practitioner

*Dual Degree-MSN and MBA Healthcare Administration*

*Dual Degree-MBA and DNP Healthcare Administration, BS/DNP, DNP/MBA*

*Post Master's Certificate*

- Acute Care - Adult/Gerontology Nurse Practitioner
- Primary Care - Adult/Gerontology Nurse Practitioner
- Primary Care - Family Nurse Practitioner
- Primary Care - Psychiatric Mental Health Nurse Practitioner
- Nurse Educator

*DNP Specialist Certificate*

- Acute Care - Adult/Gerontology Nurse Practitioner
- Primary Care - Adult/Gerontology Nurse Practitioner
- Primary Care - Family Nurse Practitioner
- Primary Care - Psychiatric Mental Health Nurse Practitioner
- Lifestyle Medicine
- Nurse Educator

### **School of Religion**

*Master of Arts*

- New Testament Studies
- Old Testament Studies
- Religious Studies

*Master of Ministry*

- Biblical Counseling
- Church Leadership and Management
- Evangelism and Ministry

### **School of Social Work**

*Master of Social Work*

- Mental Health Practice in Social Work
- School Social Work
- Trauma and Emergency Management

*Dual Degree - MSW and MBA*

# Academic Policies

## Degree Requirements

### Planning a Course of Study

When planning their course work, students should acquaint themselves with their chosen program of study and graduation requirements outlined in this *Catalog*. Students who have not decided their course of study before entering the University may take a general program exploring several fields.

Freshman students may consult an adviser, faculty member or the First Year Advising office during the summer months before the beginning of the fall semester. All accepted students and their parents are encouraged to register for a regularly scheduled informative webinar hosted by the First Year Advising office. A helpful tool is the *Academic Advising Guide* which may be viewed at [southern.edu/records](http://southern.edu/records). Students planning to enter preprofessional programs should consult the adviser, department, or school that will help them prepare for certification or in meeting the entry requirements of the respective professional program.

Degree candidates are responsible for satisfying all degree requirements. They may choose to meet the requirements of any one Catalog in effect during the period of residency. If students discontinue their education for a period of twelve months or more, they must re-qualify according to the *Catalog* in force at the time of their return.

### General Degree Requirements: Master's Degree

The general and specific degree requirements for a master's degree are described in a separate Graduate Catalog, available online. Master's degrees are available in the fields of Business, Computing, Counseling, Education, Nursing, Religion, and Social Work. A DNP (Doctorate of Nursing Practice) is also available.

**Seniors Enrolling in Graduate Courses.** Seniors within 30 credit hours of completing requirements for the bachelor's degree may apply for admission to graduate courses. The applicant must have an overall cumulative grade point average of 3.00 (B) or higher and be recommended by the department/school chair or dean of his or her respected program.

- Approval must be obtained from the Graduate Studies Office, 2008 Wright Hall; 423-236-2694. Forms are available online at [graduatestudies.southern.edu](http://graduatestudies.southern.edu).
- A maximum of 12 hours of 500 level graduate credits may be taken in this status.
- The student must meet all prerequisites necessary for the admission into the course.
- Courses taken from a school outside the student's active program require permission for the school dean.
- Courses taken for graduate credit may not be used for both the baccalaureate and the graduate degree program.
- The cost of these graduate classes will be charged separately and are not part of the 12-16 hour undergraduate tuition rate.

### General Degree Requirements: Baccalaureate Degree

- The general degree requirements for a baccalaureate degree are as follows:
- Satisfactory make-up of admissions deficiencies.
- A minimum of 124 semester hours with both a resident and cumulative grade point average (GPA) of 2.00 (C) or above.\* Students earning the Bachelor of Music degree must take a minimum 138-142 semester hours.

- A minimum of 40 hours of upper division credit, to include at least 14 upper division hours in the major for a B.A. degree and at least 18 upper division hours in the major for all other baccalaureate degrees.
- Christian service requirements.
- Writing classes requirement.
- Completion of a major and minor (or two majors) for a B.A. degree or completion of a major for other degrees with a cumulative GPA of 2.25 in the major;\* completion of the General Education requirements, and electives to satisfy the total credit requirements for graduation. Courses completed with grades lower than a “C-” will not be applied toward a major or minor.
- More than one major may be earned provided all courses required for each major and its cognates are completed. Each major must include a minimum of 20 semester hours that do not overlap with any other major or minor.
- More than one minor may be earned provided all courses required for each minor are completed. Each minor must include a minimum of 12 semester hours that do not overlap with any other major or minor.
- Bachelor of Arts degrees are exempt from completing a minor if the student is a Southern Scholar or working towards teacher certification.
- Completion of an exit examination as required by the department or school.
- Students wishing to obtain a second degree will need to complete, beyond the 124 minimum hours required, a minimum of 30 hours, including 16 hours upper division, and a new major.

*\*Some schools, departments, or majors require a higher standard. The student should consult the respective Catalog section for specific GPA or grade requirements for the desired program.*

## **General Degree Requirements: Associate Degree**

- A minimum of 64 semester hours with a resident and cumulative GPA of 2.00 (C) or above. Some majors require additional hours or a higher cumulative GPA. Students should consult the respective Catalog section to learn the minimum requirements for their desired major.
- Completion of a major, the General Education requirements, and electives to satisfy the total credit requirements for graduation. Courses completed with grades lower than “C-” will not be applied on a major. Some majors require a higher minimum grade, as specified in the pertinent Catalog section.
- Students who have completed one associate degree and who wish to obtain another associate degree may do so upon completion of the curriculum prescribed for the second degree. The work completed for the second degree must include at least 24 hours in residence over and above the number of hours earned for the first degree. If the second associate degree is earned subsequent to the first associate degree, the requirements for the second degree will be governed by the provisions of the Catalog in effect at the time the student re-enters the University for work toward the second degree.
- Students who wish to obtain an associate degree at the time they receive a baccalaureate degree may do so if the degrees are in different fields. If requirements for an associate and a baccalaureate degree in the same field are completed at the same time, only the higher degree will be conferred.

## **Certificate Requirements: One-Year Certificate**

- A minimum of 32 semester hours which meet the requirements of a specific one-year program.
- A resident and cumulative grade point average of 2.00 (C) or above. Grades in the technical area below “C-” will not be accepted.

## General Requirements: Minor

- A minimum of eighteen semester hours of which six must be upper division credit.

## Major and Minor Requirements

Each major consists of 30 hours or more in the chosen field of specialization of which a minimum of 14 for a Bachelor of Arts degree and 18 for all other bachelor's degrees must be upper division credit. The total semester hours required for each major for the Bachelor of Arts, Bachelor of Science, Bachelor of Business Administration, Bachelor of Music, Bachelor of Social Work, and Bachelor of Fine Arts degrees varies with the field of specialization chosen.

All minors consist of at least eighteen semester hours. Six hours of a minor must be upper division credit.

The specific requirements for majors and minors are given under the respective disciplines section.

## Degrees and Curricula

**A Doctor of Nursing Practice** consists of at least five (5) semesters of course work beyond the master's degree. It offers two (2) areas of emphases and requires a scholarly project.

**A Master's Degree** consists of at least one additional year of course work beyond the bachelor's degree. It includes a field of concentration and may require a thesis.

**The Bachelor of Arts** degree consists of four years of course work that places a student's major field of study in the context of a liberal arts education. To encourage a wide range of studies, a minor is required. A foreign language component is required.

**The Bachelor of Science** degree consists of four years of course work that places the student's major field of study in the context of a liberal arts education. The degree permits greater concentration in the field of study. No minor or foreign language study is required except as specified for certain majors.

**The Bachelor of Business Administration** degree is a professional degree consisting of a four-year program with concentrations available in various fields of business. Requirements for this degree are outlined in the School of Business section.

**The Bachelor of Fine Arts** degree consists of four years of course work allowing the student the focus to develop a body of work in drawing and painting. No minor is required.

**The Bachelor of Music** degree is a professional degree consisting of four years of course work designed to meet the needs of students wishing to receive teaching credentials. Requirements for this degree are outlined in the School of Music section.

**The Bachelor of Nursing** degree is a professional degree consisting of a four-year program of courses designed to meet the needs of students wishing to go into the nursing profession. Requirements for this degree are outlined in the School of Nursing section.

**The Bachelor of Social Work** degree is a professional degree consisting of a four-year program of courses designed to meet the needs of students wishing to go into the social work profession. Requirements for this degree are outlined in the School of Social Work section.

**The Associate of Arts** degrees is a two-year program designed to meet the needs of students who wish to pursue a short general studies program.

**The Associate of Science** degree is a two-year program designed to meet the needs of students who wish to pursue a short occupational or pre-professional program.

**The Associate of Technology** degree is a two-year program designed to meet the needs of students who wish to pursue an occupational program.

**The One-Year Certificate** is available for students in the Auto Mechanics Technician and in a Bible worker program. Requirements for these certificates are outlined in the Technology Department and in the School of Religion.

**Preprofessional Curricula** are programs designed to prepare students to enter professional schools. In some cases paraprofessional curricula will lead to an associate degree..

## Registration

Students are expected to register during the scheduled registration periods designated in the school calendar. New students are encouraged to contact their adviser or the First Year Advising office for assistance with registering for courses. New students are required to participate in the orientation activities.

**Late Registration.** Permission to register late must be obtained from the Director of Records and Advisement. The course load of a late registrant may be reduced according to the amount of class work missed. A student registering after the first week of classes must obtain permission from the instructor and their adviser before enrolling in a class. No student may register after two weeks of the semester have elapsed.

**Changes in Registration.** To avoid changes in registration, students should carefully consider the program of courses necessary to meet their objectives. To avoid subsequent adjustments, a balance should be maintained between the course load, work program, and extracurricular activities.

To make changes in registration, students must obtain the appropriate change of registration form (Add/Drop) at the Records and Advisement Office, obtain the necessary signatures indicating approval of the change, and return the form to the Records and Advisement Office. Course changes and complete withdrawals from the school become effective on the date the form is filed at the Records and Advisement Office. A fee will be assessed for each change in program after the first week of instruction.

The above procedure is to be followed by on-campus students for all course types, including both online and face-to-face courses.

Online teacher certification and dual enrollment students must email a request to add/drop a course to the Southern Online Campus academic adviser ([online@southern.edu](mailto:online@southern.edu)). The email should include: the student's name and student ID#; course prefix, number, section, and title; and instructor's name. The academic adviser will email his or her permission for the student to add/drop to Records and Advisement, copying the instructor and student. That office will notify all the email recipients when the course change is made. Course changes become effective on the date of the student's original email. A fee will be assessed for each change in program after the first week of instruction.

Students enrolled in a fully-online degree program must email the instructor and program adviser with a request to add/drop a course. The email should include the student's name and student ID#; course prefix, number, section, and title; and instructor's name. The instructor will notify both the program adviser and Records and Advisement with his or her permission for the student to add/drop. Course changes become effective on the date of the student's original email. A fee will be assessed for each change in program after the first week of instruction.

A student may not change from one section to another of the same course without the approval of the professor.

When a student drops a class during the first week of the semester, the class is deleted from the student's record. A grade of "W" is issued when a student drops the class on the second week of the semester. A student may withdraw from a class up to the date

published in the Student Handbook/Calendar to receive a “W”. No withdrawals will be permitted on the tenth week or by the published date.

**Auditing Courses.** With the approval of the department/school, students may register on an audit basis in courses for which they are qualified. Auditors are to be admitted to classes of limited enrollment only if there are places after all students who wish to enroll for credit have been accommodated. Class attendance is expected but examinations and reports may be omitted. With the approval of the professor, a student may change a course registration from audit to credit or from credit to audit only during the first week of instruction. No credit is given for courses audited. Students taking nine or more hours of undergraduate credit may audit any additional class(es) for free—as long as the professor approves the audit, the minimum student enrollment in course has been met, and/or there is sufficient room in the class. Students taking eight or less hours for credit will be charged one-half of the regular tuition charge.

**Canceled Classes.** The Vice President for Academic Administration or a department/school may cancel a class for which fewer than six tuition paying students enroll. This policy applies to ordinary classes but not to directed study courses, private lessons, and other special classes such as special methods of secondary teaching. Students enrolled in canceled classes should confer with their advisers to determine alternate means to complete their schedules.

**Withdrawal Procedure for Students Called to Active Military Duty.** Southern Adventist University community recognizes the sacrifices that those in the armed forces make while serving our country. We are proud of these individuals and have, therefore, adopted the following policy to deal with currently enrolled Southern Adventist University students who are called to active military duty.

- Upon presentation of official military orders, the student will be automatically withdrawn from all of his/her courses for the given semester and a grade of “W” with notice of reason for withdrawal will be recorded on his/her academic record.
- In addition, the student is eligible for a full-tuition refund or can choose to have the monies held on account to be used at a later date.
- In the case of a resident student, room and board charges will be prorated based on the period in the semester when the student is required to leave; and the remaining charges will be refunded or held on account based on the student’s request.
- If the veteran has left to perform military service, the veteran is to be readmitted with the same academic status he or she had when last in attendance at Southern. In most cases, the length of the absence from Southern cannot exceed five years.

## Credit Hours and Course Load

University courses are expressed in semester hours. A semester hour is consistent with the Carnegie Unit of one hour of faculty directed instruction and a minimum of two hours of academic student work for undergraduate (UG) or three hours of academic work for graduate (G) level courses. A sixteen-semester-hour UG class load will require 16 hours of faculty directed instruction and 32 hours of student academic work each week. A nine-semester-hour graduate load stipulates 9 hours of faculty-directed instruction and 27 hours of student academic work each week. Student academic work contributes to established intended learning outcomes and is verified by evidence of student achievement.

An equivalent amount of work is required for lectures, labs, internships, summer courses, online courses, directed (UG) study, independent study (G), or other course types leading to the award of credit hours. Schools and departments may determine contact time over the minimum requirements as needed. Physical Education activity courses meet two fifty minute periods for one credit hour. A laboratory period of two and one-half to three hours is equal to one class period. Except by permission of the office of the Vice President for Academic Administration, a student may not register for 18 or more semester hours.

To complete a baccalaureate degree in four years, a student must average between fifteen and sixteen hours per semester. The summer term may be used to advantage by students wishing to complete degree requirements in less than four years or by students having to take reduced programs of studies during the regular academic year. The typical class load during the summer is one three-hour class per session.

**Student Status.** An undergraduate student must be currently enrolled for a minimum of 12 semester hours to be considered full-time. Part-time status is maintained when a student is enrolled in 6-11 semester hours. Non-degree status is given to the student enrolled in 5 or fewer hours.

**Study-Work Program.** It is important that the student adjust the course load to achieve a reasonable balance in study and work. During registration the student should confer with his/her adviser in planning the proper balance of study and work.

In determining a reasonable study-work program, the following may serve as a guide:

<b>Course Load</b>	<b>Maximum Work Load</b>
16 hours	16 hours
14 hours	20 hours
12 hours	26 hours
10 hours	32 hours
8 hours	38 hours

## **Class Standing**

<b>Standing</b>	<b>Hours</b>
Freshmen	0-23 semester hours
Sophomores	24-54 semester hours
Juniors	55-93 semester hours
Seniors	94 semester hours

Eligibility for class office requires a grade point average of 2.25 and a good citizenship record.

## **Prerequisite for Taking Upper Division Classes**

Students must complete 40 semester hours of 100- and 200-level courses (lower division) before enrolling in a 300- or 400-level course (upper division). In addition, **ENGL 101, ENGL 102, and MATH 215 must be met before enrollment in upper division classes.**

## **Southern Scholars Honors Program**

### **The Mission:**

Southern Adventist University seeks to provide motivated and capable students with an enhanced interdisciplinary educational experience that emphasizes the integration of spiritual values into our knowledge of nature and society. The Program was created to give intellectually motivated students enriched learning experiences and a community of peers devoted to a vigorous life of the mind that encourages student responsibility for their learning. Southern Scholars welcome intellectual challenge and learning opportunities, both in and out of the classroom.

The honors program is designed for students who bring to their baccalaureate studies a high degree of motivation and intellectual curiosity. Special projects, inter-disciplinary studies, and designated honors courses provide a challenging and intellectually stimulating educational experience. Degrees of depth and breadth are attained in this experience beyond those normally attained in regular baccalaureate studies.

The program is administered by an Honors Committee which admits students to the program and discontinues honors status of those who fail to maintain minimum program



standards. Its members also advise individual Southern Scholars and continually monitor their progress.

Eligible freshmen must have an ACT of 23 or equivalent SAT, R-SAT, or higher, a high school GPA of 3.70 or higher, and complete an online application. Applications will be evaluated on a rolling basis. Students who have completed at least 31 and at most 62 semester hours (exceptions may be granted under special conditions) with a cumulative GPA of 3.50 or higher may also apply. Refer to the Southern Scholars Honors Program Requirements for further clarification of admission and eligibility criteria.

To continue as an active Southern Scholar in good and regular standing, students must complete a minimum of 12 credits each semester and 31 credits each calendar year. They must also enroll in appropriate honors sequence courses, receive a GPA of 3.00 average or higher in the honors sequence courses and maintain a minimum cumulative GPA of 3.50. Southern Scholars on academic warning are welcome to participate in Southern Scholar social events, but are not eligible for financial benefits. For further information regarding the Southern Scholars Honors Program visit the website at <http://southern.edu/southern scholars>. All honors students are expected to graduate within a four-year period unless involved in study abroad, student mission service, or internship.

Ordinarily, all courses of the honors sequence must be taken in residence. Limited exceptions may be made by the honors committee. Students already enrolled at Southern Adventist University who wish to take honors sequence classes at another institution must secure prior approval from the honors committee..

## Honors Studies Sequence

### 1. General Education

Honors students must meet regular General Education requirements with the following stipulations:

- ENGL 103 must be selected in place of ENGL 102. If students have taken ENGL 102 then ENGL 106 is required.
  - COMM 145 must be selected in place of COMM 135.
  - HIST 280
  - Two lab sciences must be selected: BIOL 101 - BIOL 102; BIOL 151 - BIOL 152; CHEM 151 - CHEM 152; PHYS 211 / PHYS 213 - PHYS 212 / PHYS 214 or PHYS 221 / PHYS 223 - PHYS 222 / PHYS 224.
  - ELIT 445 or UD ELIT class (Honors Contract Literature)
  - HMNT 151 Learning: An Introduction
  - HMNT 251 Sophomore Honors Seminar
  - HMNT 451 Junior Honors Seminar
  - HMNT 452 Senior Honors Seminar
  - PSYC 234
  - Senior Project (2-3 hours in student's major area)\*
2. Complete six (6) hours of additional honors coursework:
- Elementary or Intermediate Foreign Language (maximum of 6 credits)\*\*
  - HMNT 205
  - HMNT 211
  - Religion Elective (select only one)
    - RELB 270
    - RELT 317
    - RELT 421
    - RELT 467

**TOTAL 39-41 HOURS**

*\*A significant scholarly project, involving research, writing, or special performance, appropriate to the major in question, is ordinarily completed the senior year. Ideally, this project will demonstrate an understanding of the relationship between the student's major field and some other discipline. The project is expected to be of sufficiently high quality to warrant a grade of A and to justify public presentation. The completed project submitted in duplicate must be submitted electronically and to <http://turnitin.com>. Projects must be approved by the Honors Committee in consultation with the student's supervising professor four weeks prior to graduation. The 2-3 hours of credit for this project is done as a directed study or in a research class.*

*\*\* If your B.A. major requires a foreign language, you must select other honors coursework for your 6 credits of honors electives.*

*Note: As is it with honors courses, the guiding concept for an honors contract course should be "enrichment, not extra." That is, the terms of the honors contract should be challenging and demanding not by simply assigning more work, but by mining more educational value from the work that is assigned. Contracts that merely require longer papers, extra homework, etc. will not be approved. Honors contract courses are approved as an honors elective by the honors faculty committee.*

## Southern Scholars Honors Program Scholarships

This scholarship is designed to enrich the studies of academically motivated students. After successfully completing one year in Southern Scholars, the following scholarships will be awarded:

SCHOLARSHIP	Yearly Amount
Participation in Honors Program for 2nd year	\$1,500
Participation in Honors Program for 3rd year	\$2,500
Participation in Honors Program for 4th year	\$3,500

For more information, contact Dr. Linda Tym at 423.236.2346 or email her at [lindatym@southern.edu](mailto:lindatym@southern.edu).

## Graduation Requirements

**Degree Candidacy:** A student becomes a degree candidate when s/he enters the school term during which it will be possible to complete all requirements for graduation. A senior contract for graduation must be given to the Records and Advisement Office by the end of October of the senior year.

**Dates of Graduation:** The date of graduation will be (a) the date of commencement for those graduating in December or May and (b) for others, the last day of the month in which graduation requirements are met and an official transcript is received at the Records and Advisement Office. Currently, there are three commencement services annually, one at the end of the first semester, another at the end of the second semester, and one in July.

**Transcripts:** Before a student will be allowed to graduate, transcripts of all transfer credits and pertinent correspondence must be received at the Records and Advisement Office.

**Participation in Graduation Exercises:** Students are allowed to participate in commencement exercises only if they have completed all the courses required for graduation.

**Deferred Graduation:** Students ordinarily graduate under the requirements of the Catalog of the year in which they enter the University. Students who are studying for a baccalaureate degree and fail to graduate within six calendar years (four years for an associate degree), must plan to conform to the current Catalog.

## Residence Requirements

**Baccalaureate Degree:** Twenty-five percent of the total semester hours required for the baccalaureate degree must be taken in residence, including at least 31 of the last 36 hours completed preceding the conferment of the degree. The total hours taken in residence

must include at least 15 in upper division, 9 of which must be in the major (per major) and 3 in the minor (per minor), if one or more minors are taken.

**Associate Degree:** Twenty-five percent of the total semester hours required for the associate degree must be taken in residency including at least 31 of the last 36 hours completed preceding the conferment of the degree. The total hours taken in residence must include at least 15 in the major (per major) and 3 in the minor (per minor) if one or more minors are taken.

**Certificate Programs:** Eighteen semester hours of credit must be completed in residence immediately preceding the conferment of a one-year certificate.

**Transfer Credit:** A form and an approval process must be followed with the Records and Advisement Office prior to taking courses for transfer credit at another college or university during any session the student is simultaneously enrolled at Southern Adventist University and during any summer after initial enrollment. See department/school sections of the Catalog for classes which must be taken in residence.

## Graduation with Academic Honors

Students graduating with a cumulative GPA of 3.50 or above will have the degree conferred as follows: 3.50-3.74, cum laude; 3.75-3.89, magna cum laude; 3.90-4.00, summa cum laude. The appropriate designations will appear in the Commencement Program and on the diploma.

## Honor Roll/Dean's List

At the conclusion of each semester of the school year, students who have carried a minimum of 12 semester hours and who have attained the following grade point averages will be included in the honors group indicated:

GPA	Honors
3.50-3.74	Honor Roll
3.75-3.89	Dean's List
3.90-4.00	Distinguished Dean's List

## Advisement

Southern Adventist University is committed to assisting every student in the area of academic advisement. Full-time students are assigned an academic adviser from their major field and are recommended to consult with their advisers before registering for classes. New students are encouraged to contact the First Year Advising office before registering for classes.

The responsibility of meeting graduation requirements belongs to the individual student. In planning their schedules all students should carefully follow the instructions in the Catalog, recommendations of their advisers, and print a degree audit from the web. In the event of a discrepancy between an adviser's word and the Catalog, final interpretation of graduation requirements rests with the Records and Advisement Office. An effective tool to use in registering is the Academic Advising Guide which can be found at <http://southern.edu/records>. The Guide provides a sequence of courses to take each semester of the program/major.

Seniors must file a senior contract in the Records and Advisement Office to graduate. Previous to their senior year students should check periodically with the Records and Advisement office to determine whether they are meeting all curriculum requirements satisfactorily.

In the process of curriculum planning, students who have chosen a career in teaching should consult the Teacher Certification Officer regarding the requirements for teaching credentials. Admission to Teacher Education should be completed during the sophomore year.

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## Grading System

Course grades are an expression of the student's mastery of the objectives for a particular course. Course objectives, in turn, focus exclusively on discipline-related and content-based knowledge and competencies which the student is expected to achieve as a result of participating in the particular course. Thus, a grade is a permanent record for other institutions of higher education, potential employers, and others, of the student's fluency in the subject matter.

The student's grade may be calculated on a normal curve or as a percentage of mastery of the course objectives, or some combination of the two. In any case, a grade should clearly indicate the level of achievement which the student has reached relative to course objectives. Grades are usually based on both formative (i.e. quizzes, homework, group work) and summative (i.e. exams, papers, major projects) activities, although proportions will vary.

Letter grades are generally defined as follows:

- A Superior;** the student demonstrates exceptional capability in handling course material
- B Above average;** the student's demonstrated capability in handling course material exceeds the expectation of the professor
- C Average;** the student demonstrates a satisfactory grasp of course material which the professor intends students to learn in the class
- D Below average;** the student's demonstrated ability to deal with the course material is less than the professor intends students to learn
- F Failing;** the student does not demonstrate sufficient capability with the course material to merit a passing grade
- W Withdrew from the class;** is not calculated in the GPA
- AU Audit;** no credit
- I Incomplete;** is not calculated in the GPA
- IP In Progress;** a temporary passing grade for interrupted course work still in progress; is not calculated in the GPA
- P Pass;** is not calculated in the GPA
- NR Not Reported;** the professor did not issue a grade; is not calculated in the GPA

The Pass/Fail option is available only in Physical Education activity classes (ADAC and PEAC) with the exception of PEAC 125 and PEAC 425. **Students enrolling in these classes must make a decision either to receive a grade of Pass/Fail or a conventional grade before the final grades are submitted. The decision will be final.**

A student may receive an "I" (Incomplete) because of illness or other unavoidable delay. Any incomplete which is not removed by the end of the following term (Fall, Winter) will automatically become an "F". A student may petition for an incomplete grade to extend up to one year. After a year a grade must be issued. A professor may assign a temporary "IP" (in progress) when an unavoidable problem prevents the issuance of a grade. Grade changes for a course are accepted up to one year. After one year, the student should enroll the second time and repeat the course.

A course may be repeated before the student takes a more advanced course in the same field. Only the last grade will be counted on repeated courses.

Mid-semester and semester grade reports are available online for the student to access. Only semester grades are recorded on the student's permanent record. The following system of grading and grade point values is used:

Grade	Grade Points Per Hour	Grade	Grade Points Per Hour
A	4.00 grade points per hour	C	2.00 grade points per hour
A-	3.70 grade points per hour	C-	1.70 grade points per hour
B+	3.30 grade points per hour	D+	1.30 grade points per hour
B	3.00 grade points per hour	D	1.00 grade points per hour
B-	2.70 grade points per hour	D-	0.70 grade points per hour
C+	2.30 grade points per hour	F	0.00 grade points per hour

The grade point average is calculated by dividing the total number of grade points earned by the credit hours attempted.

## Outcomes Assessment

In an ongoing attempt to improve its educational quality, the University administers a comprehensive assessment program. This involves periodic measurement of student academic achievement, student satisfaction, and personal, professional, and career development. Although participation in these assessment activities is expected of all students, not every student will be selected for every assessment; but during the course of enrollment, students are likely to be involved in at least one assessment activity.

## Student Records

A student's record is regarded as confidential, and release of the record or of information contained therein is governed by regulations of the federal law of the "Family Educational Rights and Privacy Act (FERPA)." Only directory information, such as a student's name, photograph, address, e-mail address, telephone listing, birthplace and date, major fields of study, participation in officially recognized activities and sports, dates of attendance, degrees and awards received, and the most recent previous educational agency or institution attended, may be released by the institution without consent of the student unless the student has asked Southern to withhold such information.

With the permission of the student, parents of students termed "dependent" for income tax purposes are entitled to access to the student's educational records. The law also provides for the release of information to university personnel who demonstrate a legitimate educational interest, other institutions engaged in research (provided information is not revealed to any other parties), and certain federal and state government officials.

A student may inspect and review records and is entitled to challenge the content of records. Students may access online a history of their coursework, grades, and degree audit.

A more thorough explanation of records may be obtained from the Records and Advisement Office. A FERPA tutorial and quiz is available at [southern.edu/records](http://southern.edu/records). The Director of Records and Advisement will further explain and clarify the FERPA to students, parents, or interested parties upon request.

## Academic Honesty

Morally and spiritually, Southern Adventist University is dedicated to scholastic integrity. Consequently, both students and faculty are required to maintain high, ethical Christian levels of honesty.

### Faculty Responsibilities:

1. Professors must explain clearly the requirements for assignments, examinations, and projects, such as "open book," "take home," or "peer collaboration."
2. Professors may assume "no collaboration" is the rule unless they state otherwise.

**Student Responsibilities:**

1. Students assume responsibility to avoid plagiarism by learning the proper procedures for acknowledging borrowed wording, information, or ideas. Otherwise students might innocently misrepresent others' material as their own.
2. Students unfamiliar with procedures for citing sources should confer with their professors.
3. Students are to assume that all course work is "no collaboration" unless stated otherwise by the professor.
4. Many professors will require students to submit papers through **Turnitin**, an originality checker application.

**Schools/Departmental Policies:**

Some departments/schools, because of the nature of their programs, have additional honesty policies which have the same force as those published here. Such policies will be presented to students before implementation.

**Procedures for Handling Academic Dishonesty:**

1. When a professor suspects that academic dishonesty has occurred, the professor should first privately discuss the incident with the student. After the meeting, if the professor is convinced the student was dishonest, he or she will file an incident report with the Associate Vice-President of Academic Administration describing the infraction and the penalty administered. The professor shall give a copy of the report to the student.
2. In verified instances of academic dishonesty, the commonly applied penalties include, but are not limited to the following:
  - Record a failing grade on the exam, assignment, or project.
  - Assign a failing grade in the class.
  - Allow the student to resubmit the assignment with a reduced value for the assignment.
  - Assign the student a paper, project, or activity that improves the student's understanding of the value and nature of academic integrity.
3. The University keeps a centralized file of dishonesty reports in the Academic Administration office. After two reported incidents of academic dishonesty, the Associate Vice President will notify the dean or chair of the student's major. Two incidents also make a student eligible for dismissal from the University.
4. At any point, the student may appeal any of the above actions through the established procedures spelled out in the "Academic Grievance Procedure" section of this Catalog.

**Conditional Standing and Dismissal**

1. Any student whose GPA does not meet the criteria for graduation is on conditional standing. The following are four categories of students who are on conditional standing:
  1. Students whose Southern Adventist University or cumulative GPA falls below 2.00. They are not eligible to hold office in any student organization.
  2. Entering freshmen whose high school GPA is below 2.25 or if their composite ACT score is less than 18, SAT score is less than 1290 or R-SAT score is less than 940.
  3. Transfer students whose GPA is less than 2.00.
  4. Students in baccalaureate programs completing their sophomore year with a GPA in their major field less than the level required for graduation. For most degrees the institutional graduation requirement is 2.25, but some programs may designate a higher GPA.

Students on conditional standing may enroll in a maximum of 13 hours and are required to enroll in NOND 105 The University Enrichment \*

Candidates for a baccalaureate degree must achieve a minimum GPA of 2.00 after 24 semester hours have been attempted. Candidates for an associate or certificate program

must have a GPA of 2.00 before beginning their final semester. Veterans enrolled for baccalaureate degrees, associate degrees, or certificate programs must maintain a cumulative grade point average of 2.00, or they will not be certified for veterans benefits. Veterans may be certified for repeat of “F” grades or for a major that requires a specific minimum grade and the grade received was lower than specified.

Government regulations require all financial aid recipients to maintain satisfactory academic progress towards a degree as measured both qualitatively and quantitatively in order to receive financial aid. This requirement applies to the entire enrollment at Southern Adventist University—even periods during which a student does not receive financial aid. Failure to comply with this requirement may result in a student becoming ineligible for financial aid.

This policy defines the minimum standards for eligibility for state and/or federal financial aid.

Students are subject to academic dismissal for any of the following categories:

1. If they are on conditional standing for two consecutive semesters without demonstrating improvement;
2. If they are on conditional standing for one or more semesters and have not received a grade of “C-” or better in NOND 105 The University Enrichment;
3. If their Southern Adventist University or cumulative GPA does not reach the levels indicated in the preceding paragraph or the levels in the following table:

Credit Hours	Attempted Cumulative Grade Point Average
0-23	1.50 or above
23-54	1.75 or above
55 or above	2.00 or above

*\*Students enrolled in less than 12 hours are exempt from Academic Power Tools.*

At the end of each semester the Academic Review Committee reviews the records of students who are subject to dismissal and the Vice President for Academic Administration will notify students in writing whether or not they may continue. A student academically dismissed may be readmitted only after demonstrating maturity and motivation for a university career. The dismissed student may be required to complete successfully at least one term of college-level courses at another institution prior to readmission at Southern Adventist University.

Students receiving financial aid must also meet an academic progress policy set by the federal government. For further explanation see, “Academic Progress Requirements.”

## Absences

**Class.** Attendance at class and laboratory appointments is expected. Professors prepare an absence policy for each class, which includes an explanation of penalties, if any, for absences, and the procedure for making up work, if such is allowed. It is the responsibility of professors to publish their policies for each class at the beginning of each semester, but it is the students’ responsibility to familiarize themselves with the practices of each professor from whom they are taking classes. Generally speaking, professors will not excuse absences for reasons other than illness, authorized school trips, or emergencies beyond the students’ control.

Students are not penalized if they incur absences while participating in school-authorized activities, but they are held responsible for work they miss. It is their responsibility to initiate arrangements to make up their assignments. One and one-half absences are given for missing a 75-minute class, two for missing a 100-minute class, etc.

Students who are on conditional standing are not eligible to participate in extra-curricular trips if the trip would require them to miss more than one day of classes per semester.

**Examination.** Because of problems concerning time, expense and fairness, final examinations will be taken as scheduled in the official examinations schedule. In the case of



illness verified by University Health Center or a physician, death in the immediate family, three examinations scheduled consecutively in one day, or four or more examinations scheduled in one day, a final exam may be rescheduled upon approval by the professor and the Associate Vice President for Academic Administration. The rescheduled examination will be given at a time convenient to the professor.

When examinations are rescheduled because of three scheduled consecutively in one day or four in one day, the last examination of the day will normally be the one rescheduled. Examinations rescheduled for any reason other than those listed above, may require a fee of \$100 per examination. All rescheduling requests will be made on a form available at the office of the Vice President for Academic Administration.

**Convocation.** Convocations are held each Thursday at 11:00 a.m. During weeks of prayer, convocations are held on Monday through Friday as well. Occasionally, convocation will be held in the evening or may begin at 10:30 a.m. on Thursday. All students are required to attend 14 convocations each semester. Failure to meet this convocation requirement may result in suspension of registration. Exceptions to the convocation attendance requirement are made by the Office of Student Development only for legitimate direct work conflicts with scheduled convocations. Any excuses for absences from convocation must be approved by the Vice President for Student Development. A special series of orientation convocations is scheduled during the SmartStart summer session.

## Limitations on Class Attendance

Classes at Southern Adventist University are open to registered students only. The learning experiences, class discussions, and the information disseminated in the classroom, or other places of learning, are services which the University provides to its students. The relationship of trust that is required for honest inquiry and open interaction between students and faculty is protected by asking visitors not to attend or participate in classes without prior permission of the professor.

Professors and the institution reserve the right to remove students or visitors from classes if their speech or behavior threatens the purposes of the class by exceeding the bounds of normal academic freedom.

Professors conducting extension classes from other institutions on the Southern Adventist University campus share the rights spelled out by this policy.

## Sequence of Courses

A student may not receive credit for a course which is a prerequisite to a course for which s/he has already received credit.

## Course Numbers

Each course number consists of three figures as follows:

### **HIST 354. Latin America (C-1), (W) 3 hours**

The first numeral indicates class year status as follows:

- 0-developmental (no credit)
- 1-freshman level (lower division)
- 2-sophomore level (lower division)
- 3-junior level (upper division)
- 4-senior level (upper division)

Within a given 100 sequence there is no significance in one course number being higher than another. For instance, 265 does not necessarily mean that the course is on a higher level than 235.

Course numbers separated by a hyphen are two-semester courses in which credit for the first course is a prerequisite to the second [e.g., ENGL 101-ENGL 102. Critical Thinking in



Academic Reading and Writing]. However, credit is given for the first semester when taken alone.

Course numbers that stand alone represent courses of one semester which are complete units. Course numbers separated by a comma [e.g., HIST 154, HIST 155. American History and Institutions] represent complete units, either one of which is counted for graduation without reference to sequence.

Designation in brackets following course titles, [e.g., MATH 215 - Statistics (IN-4)] indicates the General Education area and sub-area that the class fulfills. Classes designated with a "(W)" are writing classes for General Education credit.

Students may earn credit for a cross-listed course from only one department/school [e.g. HIST 356 and SOCI 356].

## **Cognate Courses**

Required courses related to the major which are not a part of the major are called cognate courses [e.g., students majoring in Nursing are required to take Microbiology as a cognate course].

## **Student Rights**

### **Right of Petition**

Students who believe there is a valid reason for requesting variance from or exception to an academic policy stated in the Catalog may make a petition to the Director of Records and Advisement for consideration of their case after obtaining the advice and signature of the department chair or school dean of their major. The petition must contain a statement of the request and supporting reasons. Highly unusual requests will be referred to the Vice President for Academic Administration. Students will be notified in writing by the Director of Records and Advisement of the action on petitions. Petition forms are available from the Records and Advisement Office or online at [southern.edu/records](http://southern.edu/records).

### **Academic Grievance Procedure**

Students who believe that their academic rights have been infringed upon or that they have been treated unjustly with respect to their academic program are entitled to a fair and impartial consideration of their cases. They should do the following to effect a solution:

1. Present the case to the professor or professors concerned.
2. If necessary, discuss the problem with the department chair or school dean.
3. If agreement is not reached at this level, submit the matter to the Vice President for Academic Administration.
4. Finally, ask for a review of the case by the Academic Grievance Committee, chaired by the Vice President for Academic Administration or his designee and including three other faculty members and two students selected by the Undergraduate Council. Both the student and the professor involved in the case are entitled to appear before the committee or to present a written statement of the case. The decision of the committee shall be presented in writing to the individuals involved within three days of the committee meeting unless a later time is agreed upon by both parties. The decision of the committee is binding and will be implemented by the professor involved or the Vice President for Academic Administration.

## **Student Identity**

### **Identity Verification**

All students including those who enroll in a distance education course at Southern Adventist University for the first time are required to authenticate their identity at the time of initial registration in their first semester at Southern. The student may accomplish this using one

of the following options: 1) Authenticate in person at Southern Adventist University or 2) Authenticate online with a secure identity verification partner, chosen by Southern Adventist University. Fees for this authentication are the responsibility of the student

### **Exam Proctor**

Students in online classes may also be required to take online examinations using Southern's designated paid proctoring service. Fees for proctoring are the responsibility of the student.

### **Nontraditional College Credit**

In addition to credit earned in the traditional classroom setting, Southern Adventist University accepts credit earned by two other means—challenge examinations and distance courses.

The goals and objectives of the University emphasize not only facts and concepts but also values and attitudes best transmitted by interacting over a period of time with peers and professors committed to moral excellence, critical thinking, and the pursuit of truth. For this reason, most university credits should be earned through class participation. However, the University will permit a maximum of one-fourth of the credit required for a given degree to be earned by these nontraditional means.

Southern recognizes the International Baccalaureate as nontraditional credit and will record up to 12 hours of credit of courses taken on the Highest level (HL).

**University Credit by Examination.** Although the university recognizes several types of examination for credit, some policies apply to all types.

- No CLEP or challenge exam may be attempted for a course in which the student has been enrolled beyond the second week of a semester.
- No course may be challenged as part of the last thirty hours of any degree.
- Grades are recorded for departmental challenge examinations and scaled scores are recorded for nationally formed examinations.
- Students may earn a maximum of 12 hours of credit by examination in courses that do not appear in the University Catalog if the evaluating tests are approved by Undergraduate Council.
- Credit for challenge and/or validation examinations will not be placed on a student's permanent record and is, therefore, not transferable until that student has successfully completed 12 semester hours in resident at Southern Adventist University.
- Fees charged for challenge examination and credit are listed under "Other Charges and Fees" in the financial section of this Catalog.
- Additional information concerning challenge examinations may be obtained from the Records and Advisement Office or the Counseling and Testing Center.

There are specific policies for different types of credit by examination.

- Challenge examinations demonstrating competence equivalent to a regular course and prepared by a department/school. The following policies apply:
  - Challenge examinations must be passed at "B" level or above.
  - Since not all classes listed in the Catalog are open to challenge examinations, students must obtain permission from both the department chair or school dean and the Vice President for Academic Administration before petitioning to challenge a course.
  - Students must also furnish evidence of adequate preparation to challenge a class before the department chair or school dean assigns a professor to prepare a challenge examination.
  - A student may challenge a given course only once.
  - A challenge test may not be taken if the student has audited the class.

- College Level Examination Program (CLEP) subject examinations
  - In general, CLEP subject examinations must be passed at the score of 50 or higher to receive credit.
  - The English Department participates in CLEP for ENGL 101 but not for ENGL 102. As part of the CLEP exam, a written essay is required.
  - The CLEP exams in history qualify as elective credits. They do not fulfill the general education requirement for history. Three hours of AP/CLEP credit can, however, count towards a history major or minor.
  - The following subjects are not acceptable by CLEP exam: BIOL 151, BIOL 152, CHEM 151, CHEM 152, or modern languages course.
- Advanced Placement Examinations
  - In general, AP examinations must be passed with a score of 3, but some departments have additional restrictions.
  - AP history exams, if passed with a 4 or higher, qualify for elective credits. They do not fulfill the general education requirement for history. Three hours of AP/CLEP credit can, however, count towards a history major or minor.
  - The biology and chemistry AP requirement is 5. Students may be exempt from taking BIOL 152 if they have an Advanced Placement grade of 5 and a grade of “B” or better in BIOL 151. A student receiving a score of 5 on the chemistry AP examination will be given credit for CHEM 151. Credit for CHEM 152 requires a 5 on the AP exam and years of H.S. Chemistry and laboratory work that is equivalent to our university chemistry lab. A student receiving a score of 4 or higher on the AP Chemistry exam will receive credit for CHEM 119. (A student may not receive credit for both CHEM 119 and CHEM 151.)
  - A score of 3 or higher on the AP English Language and Composition exam or on the AP English Literature and Composition exam earns credit for ENGL 101. Credit for ENGL 102 may not be earned through Advanced Placement.
- Modern language offers students the opportunity to earn up to six intermediate language credits in Arabic, Chinese, French, German, Hebrew, Italian, Japanese, and Spanish through the STAMP 4S test. Details are available from the Modern Languages Department.

**Online Courses.** Students are encouraged to take advantage of courses offered online by Southern Adventist University. The University also accepts credits from distance education providers accredited by NUCEA (National University Continuing Education Association) on the same basis as credits from other regionally-accredited colleges or universities.

Unless otherwise noted, Southern’s online courses begin and end within the same time frame as the university’s face-to-face courses during any semester or summer session.

The following policies apply to all courses taken outside of Southern Adventist University’s face-to-face and online courses

- A maximum of 12 semester hours of distance or extension credit may apply toward a baccalaureate degree program and eight hours toward an associate degree.
- Distance courses must be approved in advance by the University.
- Distance work may not apply on the upper division requirements of the major or minor.
- A minimum grade of “B” must be earned to apply on the lower division requirements for a major.
- A course in which the student earned a grade of “D” or “F” while in residence may not be repeated by distance.
- No distance credit will be entered on the student’s record until s/he has earned a minimum of 12 hours in residence with an average of at least “C.”
- Official transcripts must be in the Records and Advisement Office before a diploma will be ordered. The graduation date will be the last day of the month after the official transcript is received.

**Practicum and Internships.** Suggested departmental/school guidelines for practicum and internships.

### **Practicum**

- A minimum of 50 clock hours per one credit hour.
- The process of learning a job on a part-time basis.
- The work may be done at various job sites.

### **Internships**

- A minimum of 100 clock hours per one credit hour.
- The application of learning the skills of a job on a full-time basis.
- The work must be supervised on one job site.

## **Waiver Examinations**

Upon the approval of the department chair or school dean and the Vice President for Academic Administration, students may obtain a waiver of curricular requirements by successfully completing a comprehensive examination-written, oral, manipulative, or otherwise, as determined by the department/school involved. A fee of \$50 per examination is charged.

## **Transient Student**

A Southern Adventist University student acquires transient student status when s/he is granted permission through the Southern Adventist University Records and Advisement Office to enroll for automatically transferable credit at another accredited institution. The credit that students may transfer must meet Southern Adventist University criteria for transfer credit and residence requirements.

To receive transient status, a student must:

1. have completed a minimum of 12 hours in residence at Southern Adventist University and
2. be enrolled simultaneously at Southern Adventist University for a minimum of three hours of class credit. (This condition does not apply to summer classes.)

Students may not receive transient status for more than one semester during which the amount of transferable credit exceeds the amount of simultaneous credit earned at Southern Adventist University.

## **Extension Classes**

Extension classes are university classes offered on the campuses of Southern Union academies as an opportunity for seniors to earn university credit in skills areas that will fulfill part of the General Education requirements at Southern Adventist University. Instructors are academy teachers who are qualified with appropriate credentials and experience.

To enroll in an extension class students must be members of the junior or senior class. The grade point average criteria to enroll in extension classes is for senior class standing is 3.00 or above and for junior class standing 3.50 or above during the years of their secondary education. Eligibility is determined before the student begins taking the extension class.

The extension classes must duplicate as nearly as possible their university counterparts in content, degree of difficulty, testing and grading.

## **Continuing Education**

Southern Adventist University makes continuing education credit available through the Records and Advisement Office. Sponsors of organizations wishing to offer Southern Adventist University continuing education certificates must complete the following steps:

1. Secure approval of the program by
  - applying at the Records and Advisement Office at least two weeks before conducting the workshop/seminar/conference and
  - submitting with their application the topic of the presentation, an outline of the presentation, and the name of the presenter(s) with evidence credentials.
2. File an evaluation of the workshop/seminar/conference following the presentation. The University will furnish evaluation forms.
3. Participants in continuing education events must pay institutional processing fees to receive their certificates.

## Student Mission/Task Force Credit

Students may earn twelve hours of elective credit while participating in the Student Mission/Task Force programs. Details are available in the office of the University Chaplain. Students who wish to serve as student missionaries or task force workers must plan their programs a year in advance to fulfill necessary prerequisites.

## Transcripts

Students may obtain official transcripts of their academic record through the National Student Clearinghouse website at [studentclearinghouse.org](http://studentclearinghouse.org) or by clicking on “My Access” at [southern.edu](http://southern.edu). Official transcripts sent directly to a student will be enclosed in a sealed envelope with the registrar’s signature across the back. Transcripts are released for those students whose accounts are current or paid in full and who are current in re-payment of student loans.

The National Student Clearinghouse charges the student credit or debit card \$2.25 for each transcript destination. Electronic transcripts are available for an additional charge.

A student may receive an unofficial transcript for evaluative purposes by applying in person or by faxing the form to 423.236.1899. The form is available at [southern.edu/records/transcripts](http://southern.edu/records/transcripts).

## Apostille Service and Document Authentication Process

Southern Adventist University offers apostille and document authentication of transcripts and diplomas. As per the Hague Convention of 1962, there is a list of countries which require a document to go through the apostille process prior to being presented. For countries which are not a signatory party to the Hague Convention of 1961, the documents are required to go through the authentication process certifying the authenticity of the document before being presented. The student needs to check the country to see which process is required. The apostille and authentication process of transcripts and diplomas require:

- The student must request the apostille/authentication process for the diploma/transcript.
- The student must request his/her official transcript on line: [southern.edu/records](http://southern.edu/records) and request a replacement diploma from the Records and Advisement Office. The student must receive financial clearance. (See official transcript charges at the Records and Advisement Office website.)
- The charge for the apostille/authentication process is \$100 to be paid to the cashier (phone number: 423.236.2826) at Southern Adventist University. This charge covers the costs for a replacement diploma, notary fees, validation of the notary at the Hamilton County Courthouse, Clerk’s Office; priority mailing of the documents to the Tennessee Secretary of State for apostille or authentication process; priority mail envelope back to the Records and Advisement Office. The Records and Advisement Office will then mail the document(s) via priority mail to the specified address.
- The process will take a minimum of 15 business days before mailing to the person/place indicated

# Financing Your Education

## Student Finance Mission Statement

In a spirit of Christ-likeness, Student Finance makes every effort to contact, recruit, enroll, and financially work with academically qualified students who commit to Southern Adventist University's learning community.

## Financial Aid Available

### Four-year Renewable Scholarships

Southern Adventist University offers five (5) scholarships for incoming freshman that are awarded over four years. These scholarships are available only to future Southern freshmen who have just graduated from high school within the past nine months OR who have taken no more than ten semester hours of college credit.

**Academic Scholarship** - Eligibility is based on a combination of the student's ACT or SAT score and cumulative high school GPA. This scholarship will automatically be awarded once transcripts and test scores are received. The scholarship amount will not exceed the 12-16 credit hour tuition rate.

- Step 1: Multiply your high school GPA\* by 1,000
- Step 2: Multiply your ACT\*\* test score by 100
- Step 3: Add all points from Step 1 and 2

POINTS	SCHOLARSHIP	AWARDED PER YEAR
4,800-5,700	Bronze Scholarship	\$2,000
5,701-6,600	Silver Scholarship	\$4,000
6,601-7,300	Gold Scholarship	\$6,000
7,301 & above	Full Tuition	12-16 hours Tuition

\* GPA is capped at a 4.00.

\*\* Call the Admissions Office at 1.800.SOUTHERN for help converting an SAT score to an ACT score for calculating this scholarship.

**Leadership Scholarship** - Students who have served in the following leadership positions during their senior year of high school may qualify for \$10,000 Leadership Scholarship (awarded \$2,500 per year for four years).

- Student Association President, Vice President or Pastor
- Senior Class President, Vice President or Pastor

**State Replacement Scholarship** - Students from Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, or South Carolina and have a minimum cumulative high school GPA of 3.0 may qualify for \$12,000 State Replacement Scholarship (awarded \$3,000 per year for four years). The home address on the undergraduate application will be used to determine the state of residence. Students that receive employer tuition assistance are not eligible for this scholarship.

**Lightbearer Scholarship** - Students who have attended at least two years and graduated from a public high school, home school, or a private high school not run by an Adventist organization, may qualify for \$8,000 Lightbearer Scholarship (awarded \$2,000 per year for four years) provided to encourage Adventist education.

**National Merit Scholarship** - Students who are finalists in the National Merit Scholarship Competition, National Achievement Scholarship Program for African Americans or National Hispanic Recognition Program may qualify for a full tuition scholarship. This scholarship amount will be capped at the 12-16 credit hour tuition rate.

**Please Note:** *The first step for entering the National Merit Program is for students to take the PSAT test their junior year of high school. Students who qualify as a National Merit Semi-Finalist or a PSAT Commended Scholar will be notified by the National Merit Scholarship Corporation. The list of qualifying students is published and sent to U.S. colleges and universities. Semi-finalists may advance to finalist status by taking the SAT during their senior year and by meeting other requirements outlined by the National Merit Scholarship Corporation.*

### General Eligibility & Renewal/Regain Criteria for Renewal Scholarships

- Students must be enrolled full time each semester to renew their scholarships. Students who are in their final semester before they graduate and are below full time status, will have their scholarships renewed and prorated based on the number of hours enrolled divided by 12.
- These scholarships cannot be combined with the Renewable Transfer Scholarship.
- Students can receive these scholarships for a maximum of 8 semesters. Semesters missed due to loss of eligibility will not extend the maximum length. Student Finance may grant a one semester extension. Requests for additional extensions will be reviewed by the Financial Appeals Committee.
- Students enrolled below full time will continue to be eligible in future semesters (based on full time enrollment). Each semester below full time enrollment will count against the maximum number of semesters of eligibility.
- Students with an entry term of Fall 2018 or later must maintain a minimum cumulative 2.00 GPA to qualify for these scholarship each academic year. Students who entered prior to Fall 2018 must maintain a minimum cumulative 3.00 GPA. Renewal eligibility is determined after the completion of a student's first semester in attendance. Once eligibility is determined for the following year, the student would receive the award for two semesters (Exception for summer AS Nursing students) even if their GPA falls below minimum requirements during the same academic year. **Future year's eligibility will be based on the cumulative GPA at the end of each fall semester.**
- Students will lose scholarship eligibility if they are not enrolled for two consecutive semesters. Students attending Adventist College Abroad (ACA) or participating in the Student Missions or Medical Technology programs will be considered enrolled.
- Students who take a semester off and attend another institution will forfeit their scholarships.
- Students attending Adventist College Abroad (ACA) or serving as a Student Missionary, will have their scholarship placed on hold until they return to campus full time the following year.
- Scholarship amount is determined upon entry and cannot be increased in future years.

### Renewable Transfer Academic Scholarship

Students who have earned more than ten hours of college credit may qualify for a Transfer Academic Scholarship. This scholarship is renewable and is based on the combination of the student's ACT score\* and cumulative college GPA. This scholarship will automatically be awarded once all college transcripts and test scores are received. Students can continue to receive this scholarship each year by maintaining a cumulative GPA of 2.00. The cumulative GPA is determined after their first semester at Southern and then yearly after the fall semester. Southern does not round up numbers for this scholarship.

- Step 1: Multiply your high school GPA\* by 1,000
- Step 2: Multiply your ACT\*\* test score by 100
- Step 3: Add all points from Step 1 and 2

\*GPA is capped at a 4.00.

\*\*Call the Admissions Office at 1.800.SOUTHERN for help converting an SAT score to an ACT score for calculating this scholarship.



TOTAL POINTS	SCHOLARSHIP	YEARLY AMOUNT
4,800-5,700	Bronze Scholarship	\$2,000
5,701-6,600	Silver Scholarship	\$4,000
6,601-7,300	Gold Scholarship	\$6,000

Transfer students that do not have an ACT score can qualify for a scholarship based on their cumulative GPA only. Students can continue to receive this scholarship each year by maintaining their cumulative GPA as listed below. The cumulative GPA is determined after their first semester at Southern Adventist University and then yearly after the fall semester. Southern Adventist University does not round up numbers for this scholarship.

CUMULATIVE GPA	SCHOLARSHIP	YEARLY AMOUNT
3.00-3.39	Bronze Circle Scholarship	\$1,000
3.40-3.79	Silver Circle Scholarship	\$2,000
3.80 & higher	Gold Circle Scholarship	\$3,000

### General Eligibility & Renewal Criteria for Transfer Scholarships

- Students must be enrolled full-time each semester to renew their scholarship. Students who are in their final semester before they graduate and are below full-time status, will have their scholarship renewed and prorated based on the number of hours enrolled divided by 12.
- This scholarship cannot be combined with any of the four-year Renewable Scholarships.
- Students can receive the Transfer Academic Scholarship for a maximum of 8 semesters. Semesters missed due to loss of eligibility will not extend the maximum length. Student Finance may grant a one-semester extension. Requests for additional extensions will be reviewed by the Financial Appeals Committee.
- Students enrolled below full-time will continue to be eligible in future semesters (based on full-time enrollment). Each semester below full-time enrollment will count against the maximum number of semesters of eligibility.
- Students with an entry term of Fall 2018 or later must maintain a minimum cumulative 2.00 GPA to qualify for these scholarship each academic year. Students who entered prior to Fall 2018 must maintain a minimum cumulative 3.00 GPA. Renewal eligibility is determined after the completion of a student's first semester in attendance. Once eligibility is determined for the following year, the student would receive the award for two semesters even if their GPA falls below minimum requirements during the same academic year.
- Students will lose scholarship eligibility if they are not enrolled for two consecutive semesters. Students attending Adventist Colleges Abroad (ACA) or participating in the Student Missions or Medical Technology programs will be considered enrolled.
- Students who take a semester off and attend another institution will forfeit their scholarship.
- Students attending Adventist College Abroad (ACA) or serving as a Student Missionary, will have their scholarship placed on hold until they return to campus full time the following year.
- Scholarship amount is determined upon entry and cannot be increased in future years.

## Institutional Scholarships and Grants

### Summer Ministries Scholarships

These scholarships are available to any student who works during the summer at a Seventh-day Adventist conference-sponsored summer camp or one of the other ministries listed below and then attends Southern Adventist University during the next academic year. The Student Finance Office will verify with the student's employing organization that contractual obligations have been met over the course of the summer. A student who participates in multiple summer ministry projects is eligible to receive only one of the scholarships below. Southern Adventist University will choose the larger of the two scholarships. December graduates may request the full scholarship be applied to their account in the



fall semester upon submission of approved degree audit and contract for graduation to the Student Finance Office before the end of fall semester. The amount applied is subject to a maximum aid cap.

**Literature Evangelism Scholarship** - Scholarship amount is determined by the amount of summer earnings from LE that is placed on the student's account. Southern will match earnings at 50%, with a max of \$2,000.

**Summer Camp Scholarship** - Scholarship amount is determined by the number of full weeks worked. Students may qualify for \$170 per week, with a max of \$2,000. To apply for this scholarship, the camp director must submit the number of weeks worked, based on the camp contract, to the Student Finance Office.

**Summer in Ministry Scholarship** - Scholarship amount is determined by the number of full weeks worked in the program. Students are eligible for \$170 per week, with a maximum of 10 weeks and a total scholarship of \$1,700. Eligible students will participate in the Summer in Ministry Internship program facilitated by the School of Religion and endorsed and supported by the Southern Union Conference, or as a Bible worker in a paid position supported by the local conference and/or local church. To receive this scholarship, the student must apply in advance to the program through the School of Religion, must be approved and complete any orientation activities required by Southern, and then must work full-time in the program and receive compensation and periodic evaluations from the local conference and/or the local church. Once the summer is over, the dean of the School of Religion will certify the number of qualifying weeks worked by the student to the Student Finance Office.

## Performance Scholarships

Each year performance scholarships are awarded by the School of Music (for the Orchestra, Wind Symphony, and choirs), Gym-Masters, and Destiny Drama Company. Some of these performance scholarships are by audition only. The scholarships may be renewable for each year the student is enrolled as long as participation in the performing group continues. For more information, call the School of Music at 423.236.2880, the Gym-Masters director at 423.236.2673, or the Destiny Drama Company coordinator at 423.236.2835.

## Southern Scholars Honors Program Scholarships

This scholarship is designed to enrich the studies of academically motivated students. After successfully completing one year in Southern Scholars, the following scholarships will be awarded:

SCHOLARSHIP	YEARLY AMOUNTS
Participation in Honors Program for 2nd year	\$1,500
Participation in Honors Program for 3rd year	\$2,500
Participation in Honors Program for 4th year	\$3,500

For more information, contact Dr. Linda Tym at 423.236.2346 or [lindatym@southern.edu](mailto:lindatym@southern.edu).

## Student Missionary/Task Force Scholarship

This scholarship is \$1,500 and is available to qualified students who attend Southern Adventist University the year following their term of service. For more information, call the Chaplain's Office at 423.236.2787. Not available to freshmen or those with less than eight months of service.

## Other Potential Scholarship Sources

Students may qualify for scholarships from national and community organizations like the YMCA and Rotary Club, or from parents' employers, or even from a local church. Scholarship and financial aid information can be found at [www.finaid.org](http://www.finaid.org). There are several

searchable databases with lots of private scholarships, fellowships, grants, and loans at websites such as [www.fastweb.com](http://www.fastweb.com) or [www.scholarships.com](http://www.scholarships.com).

## General Scholarship Awarding Policies

- Applicants for admission and financial aid will be awarded scholarships on a first-come, first-served basis until scholarship funds are depleted. Priority deadline for fall entry is November 30th and priority deadline for winter entry is March 31st.
- All scholarships are divided and distributed equally over the fall and winter semesters. Scholarships are not applicable for summer sessions.
- For students who apply and qualify for federal financial aid, determination of the total amount of scholarships given is guided by federal guidelines. Southern Adventist University is prohibited from “over awarding” a student who has applied for federal aid. In some cases, students who qualify for multiple scholarships may only be eligible to receive a portion of their awards, based on the federal formulas for awarding.
- Institutional Scholarships and employer tuition assistance cannot exceed cost for tuition (12-16 hours), general fee, room and a capped amount for food and books.
- The total scholarship/grant cost to Southern Adventist University will not exceed the charge for 16 credit hours of tuition and the general fee.
- Scholarships are only available for full-time students taking 12 or more undergraduate hours each semester at Southern Adventist University’s main campus in Collegedale, TN towards their first undergraduate degree.
- Full tuition scholarships (Renewable Academic and National Merit) combined with other institutional scholarships will not exceed the cost for tuition (12-16 hours) and the general fee only. Scholarships will not be increased to cover or go towards lab fee(s).
- All scholarship offers are contingent on the student enrolling during the 2020-2021 school year and are not transferable to a future semester or year.
- Southern Adventist University reserves the right to change or amend any of the scholarship policies at any time.

## Institutional Grants

Southern Adventist University need-based institutional grants are awarded from institutional and endowment funds to students who have financial need and are achieving academically. The amount of these awards is variable per year depending upon the student’s need and availability of funds. The amount of a student’s need-based institutional grant award, as well as his/her federal grant award, will be determined after all the necessary federal and institutional applications are completed and processed. If the student’s academic progress falls below the required level, the institutional grant may be canceled. Any requests for exceptions should be addressed to the Financial Appeals Committee.

**Endowment Grants**-Southern Adventist University is blessed with an endowment fund created by donors interested in helping students achieve their educational goals. Eligibility for these grants is determined by filling out the FAFSA. This application uses a common nationwide formula to determine a family’s ability to pay for college. Southern Adventist University uses this formula as a guideline in disbursing the Southern Endowment Fund. Awards are made on a fund available basis. Notification to eligible recipients will be listed on the Financial Aid Award Letter. Recipients must complete a thank you note for the donors upon request by Advancement.

## General Eligibility for Institutional Funds

Eligibility for Southern Adventist University need-based funds is based upon a minimum of six credit hours (except where otherwise noted) being taken on the Southern Adventist University’s Collegedale campus. Co-op, transient, directed study, distance learning, Adventist Colleges Abroad (ACA), and off-site campus classes are not eligible for institutional funds, and do not count toward the six credit hours. Students who have been

awarded funds based on full-time enrollment, but enroll below full -time, will have an adjustment made (up to the total loss of the funds awarded) after census date (last day to add as listed on the academic calendar). Please consult with the Student Finance Office if you plan to enroll in less than 12 hours in any semester.

## Federal Loans and Grants

### Direct Loans

Federal low-interest loans made to students attending college at least half-time. These loans are insured by a guarantee agency and re-insured by the federal government. A borrower must repay these loans.

Direct Subsidized Loans are based on financial need/financial status according to the FAFSA. The US Department of Education pays the interest on the loan as long as the student is enrolled in school at least half-time. The student must sign a master promissory note (MPN) and complete entrance counseling online at studentloans.gov before the loan is released onto their account. Repayment of the loan generally begins six months after the student graduates, leaves school or drops below half-time enrollment.

Direct Unsubsidized Loans are awarded regardless of need/financial status. The student is responsible for paying the interest, which accrues while enrolled in school. The student must sign a master promissory note (MPN) and complete entrance counseling online at studentloans.gov before the loan is released onto their account. Repayment of the loan generally begins six months after the student graduates, leaves school or drops below half-time enrollment.

**Dependent undergraduate students**--Amounts borrowed are based on the criteria below with \$31,000 total maximum in Direct Loan debt.

#### QUALIFICATIONS

#### YEARLY AMOUNT

First-year students enrolled in a program of study that is a full academic year	\$5,500 max
Completed at least 24 credit hours and remainder of program is a full academic year	\$6,500 max
Completed at least 55 credit hours and remainder of program is at least one academic year	\$7,500 max

**Independent undergraduate students OR dependent undergraduate students whose parents do not qualify for PLUS loans**--Amounts borrowed are based on the criteria below with \$57,500 total maximum in Direct Loan debt, with no more than \$23,000 in subsidized loans.

#### QUALIFICATIONS

#### YEARLY AMOUNT

First-year students enrolled in a program of study that is a full academic year (At least \$6,000 of this amount will be in unsubsidized Direct Loans)	\$9,500 max
Completed at least 24 credit hours and remainder of program is a full academic year (At least \$6,000 of this amount will be in unsubsidized Direct Loans)	\$10,500 max
Completed at least 55 credit hours and remainder of program is at least one academic year (At least \$7,000 of this amount will be in unsubsidized Direct Loans)	\$12,500 max

The amounts given are the maximum amounts that can be borrowed; however, students cannot borrow more than the cost of education at Southern Adventist University minus any other financial aid they receive.

*Associate Degree Students* will be considered as having less than 55 credit hours for loan purposes.

*Undergraduate Students* (attending less than a Full Academic Year) may borrow an amount which may be less than the amounts listed above. Information about how much may be borrowed can be obtained from the Student Finance Office.

Direct Loan interest rates are set each year, in June, by Congress. A federal origination fee is deducted proportionately from each disbursement made; the origination fee is subject to change. For additional information on Direct Loan interest rates, please visit [studentaid.ed.gov](http://studentaid.ed.gov).

## Direct PLUS Loans

Federal loan made available to **parents of dependent undergraduate students** who have satisfactory credit histories. A borrower must repay this loan. Students must be enrolled at least half-time. The yearly loan limit is the cost of education minus any estimated financial aid that the student is eligible to receive. Parents must apply online at [studentloans.gov](http://studentloans.gov). Southern Adventist University can refuse to certify a loan application, or can certify a loan for an amount less than a student's parents would be eligible for. Parents will be notified in writing, with a full explanation if such a circumstance should arise.

Direct PLUS loan interest rates are set each year, in June, by Congress. A federal origination fee is deducted proportionately from each disbursement made; the origination fee is subject to change. For additional information on Direct PLUS Loan interest rates, please visit [studentaid.ed.gov](http://studentaid.ed.gov).

Federal law requires the US Department of Education to send the loan proceeds to the school in at least two payments. Payments will be sent either by electronic transfer or by check made co-payable to the school and to the parents. Monthly principal and interest payments begin 60 days after the final loan disbursement. There is no grace period for these loans. If a deferment, a postponement of repayment, applies (including a deferment for college enrollment), the parents' repayment of the principal amount borrowed will not begin until the deferment ends. The interest on the loan is not deferred during the time of the deferment, although the organization that holds the loan may allow the interest to accumulate until the deferment ends. In such a case, however, the interest will be added to the principal, increasing the amount of principal that will need to be repaid.

## Nursing Student Loans

Low-interest federal student loans, made by Southern Adventist University, available to undergraduate students, who are pursuing a course of study leading to a BS Nursing degree. Students may borrow up to \$3,300 per year. The amount can be increased to \$5,200 per year if in final 2 years of BS degree. A borrower must repay this loan. Funds are dependent on student's financial need and the availability of funds. Students must sign a promissory note and complete entrance counseling online each academic year before the loan is released onto their student account. Interest rates for Nursing Student Loans is five percent. Repayment of loans begins nine months after student graduates, leaves school, drops below half-time enrollment or is no longer pursuing a BS Nursing degree.

## Pell Grants

A federal program which provides grant assistance directly to eligible first bachelor's degree seeking undergraduate students. A student's eligibility for a Pell Grant is based on a congressional approved formula which considers family financial circumstances. Pell Grants are available to full and part-time students with proven financial needs who are making satisfactory progress towards their first bachelor's degree.

## Supplemental Educational Opportunity Grants (SEOG)

This grant is awarded to students with exceptional need when funds are available from the federal government.

## Federal Work Study

This program is available to undergraduate students with demonstrated financial need. Under the Federal Work-Study program, the employer pays a small part of the student's

wages, and the government pays the remainder. Most work-study positions are on campus. Students are responsible for acquiring their own jobs. Students can work maximum of 24 hours per week during the fall and winter semesters, including vacation periods. They can work a maximum of 38 hours a week during the summer. The basic pay rate is no less than the current minimum wage. The rate varies depending on the skill and experience needed for the job. Students who receive Federal Work-Study earnings will receive 100% of their earnings unless they give written permission for their earnings to be applied to their student account or their account is flagged as past due. The Federal Work-Study Program is a method of payment. It is not additional funding on top of the student's earnings. Further information is available from the Student Finance Office.

## **Veterans' Benefits**

Southern Adventist University is approved for the training of veterans as an accredited training institution. VA benefits may not be available for students enrolled in classes offered off the Collegedale campus. Those who qualify for educational benefits should contact the nearest Department of Veterans' Affairs.

Veterans or other eligible persons are required to attend classes in order to be eligible for educational benefits. Southern Adventist University is required to report promptly to the VA the last day of attendance when an eligible student withdraws or stops attending classes regularly.

A recipient may not receive benefits for any course that does not fulfill requirements for his/her stated degree and major. Audited courses, non-credit courses (except for a required remedial course), and correspondence work cannot be certified.

## **Institutional Waivers and Discounts**

### **High School Student Tuition Program**

Eligible high school juniors and seniors may take up to six credit hours on Southern Adventist University's main campus at one-half the current tuition rate per hour. They may also take up to six credit hours on Southern Adventist University's online campus at the rate of \$150/hour. The tuition discount does not apply to lab fees or other charges that may be in addition to tuition. Students eligible for denominational subsidy will receive subsidy based on the actual tuition charged.

### **Lights Volunteer Tuition Waiver**

Lights Volunteers who have achieved a cumulative total of 200+ hours of service may audit one undergraduate course free of charge per semester, or take for credit one undergraduate course, at one-half the current tuition rate per hour. The waiver does not apply to lab fees or other charges that may be in addition to tuition. There must be space available in the class to be eligible for this benefit. Please contact the Lights Volunteer office if you plan to enroll in a course.

### **SALT: Soul-Winning and Leadership Training Fees**

Students interested in the SALT program must contact the program coordinator or go to [www.southern.edu/salt](http://www.southern.edu/salt). Program costs vary depending on whether or not a student wants to obtain academic credit for the semester. For credit, regular tuition rates apply and scholarships and financial aid are available. For non-credit participants, audit tuition will be a flat fee for the semester.

### **Senior Citizen Tuition Waiver**

Students, 65 years of age and older may audit one undergraduate course free of charge per semester, or take for credit one undergraduate course, at one-half the current tuition rate per hour. The waiver does not apply to lab fees or other charges that may be in addition to tuition. There must be space available in the class to be eligible for this benefit.

Individuals must submit a non-degree application to Admissions and then register for the class through Records and Advisement.

### **SmartStart Tuition Waiver**

Southern Adventist University offers incoming freshman and first-time transfer students the opportunity to take advantage of FREE tuition for one class (equaling 3 credit hours) during the third summer session. Students accepted for the fall semester are automatically eligible to attend.

### **Student Missionaries & Task Force Workers Tuition Waiver**

Students, who serve as Student Missionaries or Task Force Workers and are enrolled in NOND 227/NOND 228 Christian Service I /II, will receive a waiver to cover 90% of the 6 credit hours of tuition for these classes. They will also receive a waiver for 100% of the General Fee. Students enrolled in COMM 291/COMM 391, Communication Practicum, will be given a partial tuition waiver. All students serving as Student Missionaries or Task Force Workers must have their student account paid and be cleared by the Student Finance Office prior to registering for NOND 099 or NOND 227/NOND 228.

### **Summer Evangelist Waiver**

Students serving as Summer Evangelists with the Pierson Institute of Evangelism and World Missions and who are enrolled in NOND 226, NOND 326, or RELP 466 will receive a waiver to cover 90% of tuition for this class.

## **Financial Aid**

Southern Adventist University provides financial aid for students in the form of grants, scholarships, loans, and employment. The source of these funds is Southern Adventist University, private groups, donors, corporations, the Southern Union Conference of Seventh-day Adventists, the student's state, and Title IV funds from the United States Government. Financial aid applicants will not be denied assistance on the basis of sex, race, color, national origin, religion, or ethnicity. The Student Finance Office follows established procedures and practices which will assure equitable and consistent treatment of all applicants.

Students are urged to contact the Student Finance Office, P.O. Box 370, Collegedale, TN 37315-0370, phone 1.800.SOUTHERN, 423-236-2535, or go to our website [www.southern.edu](http://www.southern.edu) for additional information.

## **Financial Aid Application**

The Free Application for Federal Student Aid (FAFSA) must be submitted annually to apply for the federal, state, and institutional aid programs. This application needs to be completed online at [www.fafsa.ed.gov](http://www.fafsa.ed.gov). **Southern Adventist University's TITLE IV code is 003518.**

Applications received by the priority deadline of November 30 will be given preference. To meet this deadline, the FAFSA should be submitted no later than November 1. Applications received after November 30 will be processed as long as time and funds permit.

Southern Adventist University strongly encourages selecting the automatic IRS Data Retrieval Tool when completing the FAFSA to ensure accuracy of financial information and avoid potential verification delays.

## **Professional Judgment**

Students may become eligible for an increase in financial aid if they have a significant change in finances since the FAFSA was filed. Please speak with a financial counselor at the Student Finance Office to evaluate eligibility for additional aid.

## Transfer Student Financial Aid Application

Financial aid for students transferring from other institutions will be determined by their academic standing, which will be calculated on all hours Southern Adventist University has accepted. Students with a GPA below policy will be on financial aid probation for one semester. If the cumulative GPA or the completion rates are below the required levels at the end of the probationary period, students will be ineligible to receive financial aid. Deletion of transfer hours from Southern Adventist University academic records may affect a student's financial aid eligibility, depending on the number of hours deleted. Any change in academic program, such as changing from a baccalaureate degree program to an associate degree program, or from an associate degree program to a one-year certificate degree program, may affect a student's eligibility for financial aid.

## Transient Student Financial Aid Application

Financial aid for transient students is available when a student receives a transient student permission letter from the Records and Advisement Office.

Eligibility for Federal Pell Grant, Federal Direct Loans (Subsidized and Unsubsidized), or Federal Direct PLUS Loans will be based on total hours enrolled at both institutions. Costs at both institutions will be a factor in determining eligibility.

## Financial Aid Eligibility Requirements

### General Requirements

Financial aid awards are made for one academic year to students who are accepted for admission, demonstrate a financial need, and are enrolled for at least six credit hours. Recipients of government aid **must hold U.S. citizenship or a permanent resident visa**. Students desiring aid must reapply each year, have a GED or high school diploma on file in the Records and Advisement Office, and continue to make satisfactory academic progress (SAP) toward a degree to receive financial aid.

**WARNING:** If a student purposely gives false or misleading information on the federal aid application, s/he may be fined up to \$20,000 by the US Department of Education, sent to prison, or both.

## Academic Progress Requirements and Standards

### Academic Progress Policy

Government regulations require all financial aid recipients to maintain satisfactory academic progress (SAP) toward a degree as measured both qualitatively and quantitatively in order to receive financial aid. This requirement applies to the entire enrollment at Southern Adventist University, including periods during which a student does not receive financial aid. Failure to comply with this requirement may result in a student becoming ineligible for financial aid.

### Academic Progress Qualitative Standards

CUMULATIVE CREDIT HOURS ATTEMPTED	CUMULATIVE GPA
0 - 23	1.50 or above
24-54	1.75 or above
55 or above	2.00 or above

### Academic Progress Quantitative Standards

Students must complete and pass a minimum of 67 percent of attempted credit hours toward a degree to be making satisfactory academic progress (SAP). Incompletes, withdrawals, and failed courses count toward the total attempted credit hours. A repeated course counts as attempted credit hours each time it is taken.



Time Frame for Receiving Financial Aid

DEGREE PROGRAM	DEGREE	MAX. TIME TO RECEIVE FINANCIAL AID
General	Baccalaureate	186 attempted hours
General	Associate	96 attempted hours
Art	Baccalaureate	190 attempted hours
Music	Baccalaureate	198 attempted hours
Nursing	Associate	103 attempted hours
Second	Baccalaureate	231 attempted hours
Second	Associate	132 attempted hours

The above maximum time frame to receive financial aid is based on 1.5 times the number of credit hours to attain a degree. Hours from the first degree will be counted as attempted hours toward a second degree. Adding a second major does not count as a second degree.

Time frame for transfer students will be evaluated according to the hours accepted from previous institutions and the attempted hours toward Southern Adventist University's current degree program.

Progress Review

A financial aid recipient's progress at Southern Adventist University will be reviewed at the end of each semester and will be based on the number of attempted hours a student completes during each semester of an academic year and the cumulative grade point average (GPA).

Students who do not meet the above satisfactory GPA or completion requirements will be placed on financial aid warning. If the cumulative GPA or the completion rate is below the required level at the end of the warning period, the student will be ineligible to receive financial aid and may file an appeal with the Financial Appeals Committee.

Students may enroll for the summer sessions or subsequent terms at Southern Adventist University without financial aid assistance or attend another accredited institution to fulfill the progress requirements, subject to approval in accordance with transfer credit policies. Academic progress for these students will be reviewed prior to the release of financial aid for the following term in which the student reaches the necessary academic standard.

Students accepted to Southern Adventist University on conditional standing will be eligible for financial aid for the first semester in attendance. Financial aid thereafter is based on the guidelines set above.

Procedure for Appeal and Reinstatement of Financial Aid

Students who are found to be ineligible for financial aid based on progress will be notified in writing by the Student Finance Office. If unusual circumstances occur that include, but are not limited to, personal or family illness, injury, or death in the family, students may appeal in writing to the Financial Appeals Committee for continuation of financial aid. Students will receive a written notification as to the committee's decision. If approved, the student will be placed on financial aid probation and must sign the SAP Appeal Response Certification form before financial aid is reinstated.

**Financial Aid Award and Disbursement Procedures****Financial Aid Award & Overaward Procedures**

A financial aid award letter will be mailed to each newly accepted applicant after the Student Finance Office receives their FAFSA results. To confirm and reserve the funds offered, students should sign acceptance of the offer within **ten days** of receipt.

For new and returning students, a financial aid award letter will be available online through the Financial Planning section of MyAccess, to each accepted applicant after the Student



Finance Office receives the FAFSA results. To confirm and reserve the funds offered, students should click accept on all awards they wish to receive.

Financial aid awards are made on a rolling basis, as long as funds are available, with the neediest students receiving priority. The financial aid award package may be a combination of the following:

- Federal, State, Private, or Institutional Scholarships & Grants
- Federal Work-Study
- Federal Student Loans

When financial aid recipients receive additional resources not included in the financial aid award letter, it is the student's responsibility to report these funds to the Student Finance Office. Federal regulations prohibit overawards. Therefore, when the total of all resources exceeds the allowable student budget, financial aid awards must be adjusted. When financial aid funds have already been credited to the student's account, any adjustments due to overawards will be charged to the student's account.

## Financial Aid Verification

The following documents must be submitted only if you have been selected by the government for verification. The Student Finance Office will notify you if these documents are needed.

- The Federal Verification Worksheet
- Copies of parents' IRS Tax Transcript
- Copies of student's IRS Tax Transcript
- Supplemental Nutrition Assistance Program (SNAP) documents Child support documents
- Statement of Identity and Educational Purpose

## Financial Aid Disbursement Procedures

Financial aid awards are disbursed based on enrollment status each semester. The disbursement will show as a credit on a student's account. Loan funds received from the federal loan programs will in most cases be automatically credited to the student's account after the semester's census date and once the master promissory note (MPN), entrance counseling, and Informed Borrowing Confirmation requirements are met.

## Return of Title IV Funds

Southern Adventist University is required by federal statute to recalculate federal financial aid eligibility for students who withdraw, drop out, are dismissed, or take a leave of absence prior to completing 60% of the payment period or period of enrollment. ALL Title IV financial aid programs must be recalculated in these situations.

The calculation is made for all federal financial aid recipients to determine whether a student who completely withdraws during a term has "earned" the monies disbursed. A student "earns" his/her aid based on the period of time they remain enrolled. During the first 60% of the term, a student "earns" student aid funds in direct proportion to the length of time he/she remains enrolled. **After the 60% point** in the payment period or period of enrollment, a student has earned 100% of the Title IV funds, he/she was scheduled to receive during the period. Any aid received in excess of the earned amount is considered unearned. If a student earned less aid than was disbursed, the institution would be required to return a portion of the funds and the student may also be required to return a portion of the funds.

This policy also applies to students who receive federal funds and receive all F grades for ceasing to attend classes. The Records Office will determine the last day of class attendance.

This policy does not apply to those students who cancel their registration prior to the first day of classes nor does this policy apply to students who drop some but not all of their classes. In these particular cases, the Student Finance Office may have to recalculate the award based on the student's revised enrollment status.

## Calculating Earned and Unearned Financial Aid

The amount of earned financial aid is calculated on a daily basis from the first day of classes. The process uses calendar days rather than business days. Earned aid is determined by taking the number of days attended before withdrawing divided by the total number of days in the term (first day of instruction until the last day of finals). Breaks of at least 5 days are excluded.

## Calculating the amount of Title IV aid to be returned

Once the earned and unearned aid percentages are determined, the next step is to calculate the dollar amount of unearned aid that must be returned. The return amount is determined by multiplying the unearned aid percentage by the total of all Title IV aid received.

The responsibility to repay the unearned Title IV aid is shared by Southern Adventist University and the student. For example, the calculation may require Southern Adventist University to return a portion of federal funds to the Federal Title IV programs. In addition, the student may also be required to return funds based on the calculation.

## Calculating the amount of Title IV aid due by the School

The amount of unearned aid that must be returned by Southern is a percentage of the institutional charges for the term. Southern must return the lesser of -

- the amount of Title IV funds that the student does not earn; or
- the amount of institutional charges that the student incurred for the payment period multiplied by the percentage of funds that was not earned.

Southern must return the amount of Title IV funds for which it is responsible no later than 45 days after the date of withdrawal. Funds will be returned in the following order, up to the total net amount disbursed from each source:

1. Federal Direct Unsubsidized Loans
2. Federal Direct Subsidized Loans
3. Federal Graduate PLUS Loans
4. Federal Parent (PLUS) Loans
5. Federal Pell Grants
6. Federal Supplemental Opportunity Grant (SEOG)
7. TEACH Grant
8. Iraq Afghanistan Service Grant

Once the institution's portion of the return of funds has been calculated, the Student Finance Office will reduce the student's original financial aid award and return the funds within 45 days to the appropriate program(s). If this creates a balance owed to Southern, the student will be responsible for repaying the amount owed.

## Calculating the amount of Title IV aid due by the Student

Any amount of the total unearned aid that remains becomes the student's portion of the return. The student portion of the return is calculated by subtracting the amount that the school had to return from the total unearned aid. Depending on the remaining sources of aid after the school return, the student portion of the return is distributed back to the aid program from which it was awarded. If the student is required to return either the entire Direct Loan or a portion thereof, the loan proceeds will be returned based on the terms

and conditions of the Master Promissory Note (MPN). The student will not be billed for these funds upon withdrawal.

Any amount of unearned grant funds that the student must return is called an overpayment. The grant funds returned by the student are applied in order as indicated below, up to the amount disbursed from that grant program minus any grant funds the school is responsible for returning to that program.

**Note that the student is not responsible for returning funds to any program to which the student owes \$50.00 or less.**

1. Federal Pell Grants
2. Federal Supplemental Opportunity Grant
3. TEACH Grant
4. Iraq Afghanistan Service Grant

If a student did not receive all of the funds that they earned, Southern may offer the student a post-withdrawal disbursement, in writing, which, if accepted, will be paid within 180 days of the student's withdrawal. The student must accept or decline the post-withdrawal disbursement within 30 days of the date of withdrawal. Southern Adventist University will automatically use all or a portion of the Post-withdrawal disbursement of grant funds for tuition, fees, and room and board charges (as contracted with the school).

The requirements for Title IV program funds when a student withdraws are separate from any other refund policy that Southern Adventist University has. Therefore, it is possible that the student will still owe funds to Southern Adventist University to cover unpaid institutional charges. As mentioned previously, Southern may also charge the student account for any Title IV program funds that the school was required to return.

## **Student Financial Responsibility**

### **Student Responsibility for University Expenses**

Student Finance will assist students in their financial planning. Financial aid is available to qualified recipients in the form of scholarships, grants, loans, and work opportunities. However, responsibility for payment of Southern Adventist University expenses rests with the student, regardless of any assistance which may be expected or received from federal financial aid, parents, Southern Adventist University, denominational employers, or any other source.

Each year, before registering, each student must sign the Financial Responsibility Agreement indicating acknowledgment of this responsibility.

Information on student costs and means of paying those costs is given throughout this "Financial Policies" section of the Catalog to assist students in financial planning. Student financial responsibility includes awareness of this information and the willingness to seek assistance from the Student Finance Office when help is needed.

### **Cut Your Costs by Working**

Working is another great way to reduce the cost of a college education. On average, students can contribute about \$3,000 toward their yearly costs by working 12 to 20 hours a week.

### **Student Labor Regulations**

Although Southern Adventist University cannot guarantee a student employment, there are multiple work opportunities available in departments/schools and industries operated by the Southern Adventist University and at local private businesses. Students seeking employment should contact the Human Resources Office or visit [www.southern.edu/hr](http://www.southern.edu/hr) for a listing of available positions or to complete an employment application. Students are urged to arrange class schedules that allow blocks of time for work.

All hiring formalities are completed in the Human Resources Office. Students must bring documents, such as their Social Security card, passport, driver's license, or original birth certificate, in order to legally complete the hiring process. Students who are not American citizens must produce an unexpired employment authorization document such as a valid I-20 or other legal document before employment can be arranged.

Students are expected to maintain satisfactory job performance and meet all work appointments, including those during examination week. Work superintendents reserve the right to dismiss students if their service and work records are unsatisfactory. Should a student find it necessary to be absent from work, s/he must make arrangements with the work supervisor and, if ill, with the University Health Center.

A student accepting employment is expected to retain it for the entire semester except in cases where changes are recommended by the University Health Center or the Human Resources Office. Should a student receive opportunities for more favorable employment at another department on campus during the semester, the transfer must be made through the Human Resources Office and the two employing departments.

Students can work a maximum of 24 hours per week during the fall and winter semesters, including vacation periods. They can work a maximum of 38 hours per week during the summer sessions. The basic pay rate is no less than the current minimum wage. The rate varies depending on the skill and experience needed for the job.

Students who work more than 20 hours per individual week or who are enrolled for less than 12 credit hours may have Social Security taxes (FICA) withheld from their earnings.

### **International Student Labor Regulations**

International students on non-immigrant visas are required by law to secure permission before accepting any off-campus employment. Foreign students with student visas are allowed to work on campus up to 20 hours a week. Spouses may work only if they have student visas of their own or have immigrant visas.

### **Student Workers' Compensation Insurance**

As provided by the laws of the State of Tennessee, Southern Adventist University carries workers' compensation insurance to protect all employees in case of work-related accidents.

### **Student Payroll Policies and Procedures**

Students will receive 25% of their net earnings for tithe and personal items directly deposited into the bank account of the student's choice.

Students who receive Federal Work-Study earnings will receive 100% of their net earnings unless they give written permission for their earnings to be applied to their student account or their account is flagged as past due. The payroll period normally covers a two-week time period and students are paid every other Friday.

It is recommended that on-campus summer earnings remain on the students' accounts to assist with future educational expenses at Southern Adventist University.

### **Tuition and Fees**

Effective May 1, 2020, the following tuition and fees apply only to undergraduate students. Information concerning tuition and fees for graduate students is available in the Graduate Catalog. Visit [www.southern.edu/graduatestudies](http://www.southern.edu/graduatestudies).

## Tuition and General Fee

Tuition per credit hour (1-11 hours)	\$ 930.00
Tuition for 12-16 credit hours (flat fee)	11,030.00
Tuition per credit hour over 16	715.00
Summer Tuition per credit hour	715.00
Tuition for high school students per credit hour (on-campus)	465.00
General Fee per semester*	435.00
Audit Tuition per credit hour:	
If taking 9 or more undergraduate hours for credit	FREE
If taking 8 or less undergraduate hours for credit	465.00
SALT Certification (non-credit) (flat fee)	4,185.00
Nursing Consortium Tuition per credit hour	372.00

## Other Charges and Fees

The following charges and fees are assessed separately inasmuch as they may not apply to all students nor do they occur regularly:

Add/Drop Fee	\$ 25.00
Application Fee - online (non-refundable)	25.00
Application Fee - paper (non-refundable)	40.00
Continuing Education Units	20.00
Examination Fees:	
Challenge or waiver	50.00
CLEP	87.00
Credit Recording (per credit hour)	40.00
TOEFL	25.00
Exam Rescheduling Fee	100.00
ID Card Replacement Fee	15.00
Insufficient Funds Bank Fee	25.00
Insurance** (Estimate Only):	
Student	2,640.00
Spouse	2,640.00
Child	2,640.00
All Children (2 or more)	5,100.00
All Dependents	7,650.00
Lab Fees:	
Lab Fee 1	10.00
Lab Fee 2	15.00
Lab Fee 3	20.00
Lab Fee 4	30.00
Lab Fee 5	60.00
Lab Fee 6	90.00
Lab Fee 7	120.00
Lab Fee 8	150.00
Lab Fee 9	180.00
Lab Fee 10	210.00
Lab Fee 11	240.00
Lab Fee 12	300.00
Lab Fee 13	325.00
Lab Fee 14	350.00
Lab Fee 15	400.00
Lab Fee 16	500.00
Lab Fee 17	600.00
Lab Fee 18	700.00

Lab Fee 19	800.00
Lab Fee 20	900.00
Lab Fee 21	1,000.00
Lab Fee 22	1,100.00
Lab Fee 23	1,200.00
Lab Fee 24	1,300.00
Lab Fee 25	1,400.00
Lab Fee 26	1,500.00
Lab Fee 27	1,600.00
Lab Fee 28	1,700.00
Lab Fee 29	1,800.00
Lab Fee 30	1,900.00
Lab Fee 31	2,000.00
Lab Fee 32	2,500.00
Lab Fee 33	3,000.00
Late return of organizational uniform	40.00
(The full cost will be charged if irreparably damaged or not returned.)	
Meal Plans:	
Bronze Plan	1,325.00
Silver Plan (default)	1,525.00
Gold Plan	1,725.00
Medical Laboratory Science Recording Fee (senior year, per semester)	50.00
Music Lesson Fee (per credit hour)	175.00
Nursing Domestic Credentialing Fee	25.00
Nursing International Credentialing Fee	100.00
Nursing Refresher Course Fee	450.00
Online Learning Fee (per credit hour)	150.00
Online Program Identity Verification (paid to 3rd party agency)	10.00
Packing and Moving Fee	Actual Cost
Parking Permit Fee (per semester)	45.00
Proctoring Fee for an Online Class	17.50/hour
Residential and Campus Housing (based on double occupancy per semester):	
Residence Hall***	2,360.00
Southern Village	2,560.00
Spalding Cove	2,425.00
Upper Stateside	2,560.00
Transcript fees:	
Printed Transcript (per destination)	2.50
Electronic PDF Transcript (per destination)	4.25
FedEx Overnight Delivery Service (U.S. and Canada destinations only)	27.50
(per destination)	

\*The general fee is charged to each student enrolled for 6 or more credit hours in the fall and winter semester and 12 or more credit hours in the summer semester. The fee is used for computer technology, registration, and access to the Wellness Center.

\*\*Estimated annual fee that is subject to change by insurance company.

\*\*\*See Residence Hall/Campus Housing Charges for further explanation of rent charges.

## Deposits

Commitment Deposit	\$ 250.00
International Student Deposit	3,000.00

## Estimated Student Budget

	Residence Hall		Non-Residence Hall	
	Semester	Year	Semester	Year
Tuition (12-16 credit hours)	\$11,030	\$22,060	\$10,825	\$21,650
General Fee	435	870	435	870
Residence Hall Rent**	2,360	4,720		
Meal Plan	1,525	3,050		
Books and Misc. Supplies	550	1,100	550	1,100
Total Estimated Costs*	\$15,900	\$31,800	\$11,810	\$23,620

Health insurance, parking permits, Campus Shop, and Village Market personal purchases are in addition, if applicable.

\*With financial aid and/or labor, this total figure can be substantially reduced.

\*\*See Residence Hall/Campus Housing Charges for further explanation of rent charges.

## Adventist Colleges Abroad

Students wishing to apply for study abroad under Adventist Colleges Abroad (ACA) must follow the procedures listed below:

1. Obtain an ACA application from Modern Languages or [www.acastudyabroad.com](http://www.acastudyabroad.com).
2. Complete and return the ACA application to the Student Finance Office
3. Before leaving, students must:
  - Have student account paid in full (does not include pending ACA charges)
  - Complete all necessary paperwork for federal financial assistance and receive a financial aid award letter before August 1, if relying on financial aid. Please note that Institutional Scholarships and Grants is not available for ACA students.
  - Set-up a payment plan or pay ACA charges in full for the upcoming school year.
  - Register for ACA-050.

## Bank/Check Cashing

Students are encouraged to use their home bank or a local area bank for their personal financial services. Southern Adventist University does not cash personal checks. For the convenience of students and/or their financial sponsors, no-fee banking is available at the Collegedale Credit Union located in Fleming Plaza on the Southern Adventist University campus. Service is provided six days a week. With a \$50 savings account, students can open a no-fee checking account with no minimum balance. Several commercial banks close to the campus community also provide similar opportunities.

## Books

Books may be charged to the student's account through the online bookstore. Items from the Adventist Book Center or other book stores may not be charged to student accounts.

## Deposits

### Commitment Deposit

All undergraduate degree-seeking students must pay (or have on account) a \$250 Commitment Deposit in order to register for classes. This deposit is required regardless of whether the student is a commuter student\* or residence hall/campus housing student\*\*. Priority deadlines for the Commitment Deposit are May 1 for the fall semester and November 1 for the winter semester. Commitment Deposits are accepted after these dates, but all deposits become non-refundable as of May 1 and November 1.

The Commitment Deposit must be kept on account in order for a student to register each semester. It also allows student to reserve a room or apartment. The deposit will be

refunded after graduation or notification from the students of their intent to discontinue enrollment, starting one month after the end of the last semester in attendance. If the student has an account balance, the deposit will be used to cover the remaining balance before any credit is returned.

*\*Commuter students: Students who do not live in campus housing.*

*\*\*Residence Hall/Campus Housing students: Students who live in Talge Hall, Thatcher Hall, Thatcher South, Southern Village, Virginia Apartments, Stateside Apartments, Spalding Cove Apartments, Winding Creek Apartments, and other apartments and houses owned by the university.*

**International Student Deposit**

In addition to the regular Southern Adventist University costs, international students must pay an International Student Deposit of \$3,000USD. This applies to all international students except documented permanent residents of the U.S. or residents of Canada, the Bahamas, and Bermuda. The deposit must be received before a U.S. Immigration Form I-20 is sent to the prospective student for entry into the U.S. Because mail service from many foreign countries takes time, this deposit should be sent at least six weeks prior to enrollment. The deposit will be refunded once the student graduates, withdraws from Southern Adventist University, or finishes their Optional Practical Training (OPT), at which time the international deposit will be applied to the student’s account and used to cover any remaining balance before credit is returned.

**Insurance**

**Health and Accident Insurance**

Southern Adventist University policy requires most students to have adequate accident and health insurance covering both inpatient and outpatient services. The same coverage is encouraged for all spouses and dependents. All students who are taking six or more hours (three or more hours during any summer session) or who are living in Southern Adventist University housing will be required to have Southern Adventist University’s health and accident insurance, unless a signed waiver is submitted each semester. Students who have signed a waiver may later request plan enrollment at any time. A refund of the premium is allowed through the first day of the semester, subject to certain restrictions. For policy information on waivers, benefits, terms, and limits visit southern.edu/risk.

**Personal Effects Liability**

When determining what to bring to campus, students should remember that Southern Adventist University is not responsible for the personal effects of any student, even though such effects may be required by Southern Adventist University for student use, or required by Southern Adventist University to be stored in a designated location. Insurance carried by Southern Adventist University does not insure the personal effects of any individual. Southern Adventist University recommends that students consider carrying insurance against possible losses.

**Meal Plans**

**Residence Hall Students**

Meal Plan	Amount per Semester	Food Service Fee**	Available Balance †	Purchase Discount ††	Buying Power †^	Possible Refund ††^
Bronze	\$1,350	\$450	\$900	40%	\$1,500	\$100
Silver *	\$1,550	\$450	\$1,100	40%	\$1,833	\$300
Gold	\$1,750	\$450	\$1,300	40%	\$2,166	\$500

Students living in Talge, Thatcher, and Thatcher South will automatically be enrolled in Southern Adventist University’s Silver meal plan with the option of changing to a Bronze or Gold plan, representing lower and higher balance options. The meal plan allows students



to purchase food from the Dining Hall, KR's place, the Kayak, Village Market Deli, and vending machines on campus. Meal plan purchases are exempt from sales tax.

Meal plan options are provided to assist students in establishing their desired monthly payment plan amount and do not change the actual costs incurred by students over the course of the semester. Students can change their meal plan level through census, the last day to add a class, each semester. In addition, at any point in the semester, students can add value in \$100 increments as necessary. Each time a meal plan's Available Balance drops below \$20, the meal plan will automatically be increased by \$100 to ensure students have continued access to food services.

Purchases made with the Residence Hall Meal Plan, with the exception of prepackaged foods, bottled drinks, and vending machine items, will receive a 40% discount at the register.

All plans have a possible refund based on the remaining portion of the Available Balance (see above). In addition, for students who have added value (\$100 increments), the unused portion of the increments are 100% refundable.

For students that withdraw from Southern Adventist University, the unused portion of the Available Balance will be refunded at 100%. The Food Service Fee will be refunded based on the tuition refund schedule (see Refund Policies section of catalog).

Grocery purchases at the Village Market are not a part of the meal plan, but can be purchased from the Prepaid Campus Account (see Prepaid Campus Account).

* Silver, Default Plan	All Residence Hall students will automatically be billed the Silver meal plan.
** Food Service Fee	Each meal plan includes a \$450 Food Service Fee that assist in covering the fixed cost associated with food preparation.
t Available Balance	The available balance represents the amount students have left in their account for food purchases.
tt Purchase Discount	All food purchases-with the exception of prepackaged foods, bottled drinks, and vending machine items-will receive a 40% discount at the register. This allows students with a \$1,550 meal plan to purchase \$1,833 worth of non-prepackaged food.
^ Buying Power	The effective purchasing power of the available balance when used on food purchases-with the exception of prepackaged foods, bottled drinks, and vending machine items- at a 40% discount.
^^ Possible Refund	Maximum refund available per level for unused portion of available balance. This does not include added \$100 increments, which are 100% refundable.

### Non-Residence Hall Students

Students not living in the residence halls may sign up for a meal plan starting at \$250. Those not on a meal plan must pay via cash, credit, or debit card when making food purchases. Students that reside in University-owned housing and are on a meal plan will be exempt from paying sales tax on meal plan purchases. For all other individuals, sales tax will be applied to food purchases.

Purchases made on the Non-Residence Hall plan will receive a 20% discount at the register. Prepackaged foods, bottled drinks and vending machine items are not eligible for the discount. At any point in the semester, a student can add value in \$100 increments as necessary. Unused portions of the Available Balance will be fully refunded at the end of the semester.

### Additional Information

Each semester the meal plan will reset. Meal plan sign-up opens during early registration and can be changed through census (the last day to add classes) each semester. After

census, the plan level cannot be changed, but Non-Residence Hall students can still add a meal plan. Students may change (Residence Hall) or add (Non-Residence Hall) a meal plan by completing the Meal Plan and Prepaid Campus Account Contracts found at [southern.edu/card](http://southern.edu/card). To select an add-on amount, students need to complete the Meal Plan and Campus Account Add-on form found at [southern.edu/card](http://southern.edu/card).

## **Prepaid Campus Account**

Students have the option of purchasing items at the Village Market (non-deli), Campus Shop (non-books), and other places on campus, through their Prepaid Campus Account. Funds can be added during the semester at [southern.edu/card](http://southern.edu/card) and the amount will be billed to their student account.

At the end of the semester any unused portion will be refunded to the student's account. Students will not be able to use their ID card to make these types of purchases if there are no funds available in the Prepaid Campus Account. Other payment options include cash, debit cards, or credit cards.

Any charges to a student's account, outside of the normal educational expenses, must be approved by the Student Finance Office. Examples of charges which will not be approved are student club dues.

## **Residence Halls/Campus Housing**

### **Resident Halls**

Residence Hall rates are based on double occupancy (two students occupying one room). Charges are made on a semester basis. A student may, upon approval, be allowed to room alone. Single room occupancy is 1.5 times the normal rate. Non-suite rooms (Talge Hall only) are charged \$40 less than regular rooms. No refunds are made for vacation periods or absences from the campus. The Housing Fair is held each spring in order to facilitate room reservations for the following academic year. When a student moves out of the residence hall, a prorated portion of the semester rent will be refunded, based on date of check-out. Failure to check-out properly may cause additional charges and fees.

### **Campus Housing**

University-owned apartments and houses may be rented by students taking a minimum of six hours each semester (preference is given to married students). They are available on a first-come first-serve basis. Apartments range in size from one bedroom to three bedrooms and are rented unfurnished (furniture rental available). Additional information and housing application can be found at [southern.edu/housing](http://southern.edu/housing).

Rates range from \$470-\$900 per month and are subject to change without notice. Rent is charged in full, each semester. Approval must be obtained through the Student Finance Office for the rent to be billed on the student account. Charges are based on the date of issue/return of keys and proper check-in/out procedures. Additional keys are available for \$5/key and will be billed on the student account. Key charges are fully refundable unless there are unreturned keys.

No refunds are made for vacation periods or absences from the campus. When a student withdraws, a prorated portion of the semester charge will be refunded, based on date of check-out. Failure to check-out properly may cause additional charges and fees.

### **Student Missionaries/Task Force Workers**

Any student desiring to serve as a Student Missionary or in a Task Force position needs to apply through the Chaplain's Office. General Conference policy requires the completion of NOND 099, Student Missions Orientation, prior to placement in a volunteer position. The orientation class is taught the last nine weeks of the second semester. Students who register for NOND 099 will not receive any academic credit hours. NOND 099 is also taught online to facilitate those students going out second semester.

To receive 12 hours of academic credit, the student must complete a full academic year of service. Students enrolled in NOND 227 and NOND 228 must have taken NOND 099 as a prerequisite. A maximum of 12 hours is available during the year of service. Specific details regarding academic assignments may be obtained from the Chaplain's Office.

## Refund Policies

### Refund for Dropping a Class or Complete Withdrawal

A student who withdraws completely or drops a class during the semester will receive a refund of tuition and fees based on the date the completed withdrawal/drop form (including required signatures), filed with the Records and Advisement Office. Financial aid received will also be adjusted based on the refund amount that a student receives.

FULL SEMESTER REFUND		SHORTENED SUMMER SESSION REFUND	
1st week	100%	1st week	100%
2nd and 3rd weeks	80%	2nd week	50%
4th and 5th weeks	60%	3rd week through end of session	0%
6th - 9th weeks	40%		
10th week through end of term	0%		

### Refund of Credit Balances

Credit balances are refundable, upon request, one month after the monthly statement is received for the last month the student was enrolled, in order to be certain that all charges have been processed. For example, if a student graduates in December, a full credit refund would not be made until after the January statement is processed during the first week of February. When the credit balance is large, a portion may be refunded earlier upon request to Student Finance - Billing and Collections Office.

If the student has a credit balance caused by a financial aid overaward, the necessary credit will be allocated to the financial aid funds, according to the Financial Aid Award and Overaward Procedures. If any credit remains, the refund will be credited back first to any credit card that was used to make payment within 90 days of the refund. If the refund involves a credit card payment exceeding \$2,000, the refund will be credited back first to the credit card regardless of the date of payment.

### Returned Check Policy

If a check is returned by a bank for insufficient funds, a closed account, or any other reason, a \$25 returned check fee will be assessed to the student's account. The privilege of paying by check for any future payments may be forfeited.

## Payment Plans

### Default: Semester Balance

Students are expected to pay the semester balance, less any financial aid, before the beginning of classes.

### Monthly Payment Plans

If a student is unable to pay the semester expenses upfront, Southern Adventist University offers various payment plans through the Student Account portal at [southern.edu/payment](http://southern.edu/payment).

Once a student registers, their account will be charged for tuition, general fee, lab fees, housing, and meal plan as applicable. After the charges have been posted, students and/or authorized users can enroll for a plan at [southern.edu/payment](http://southern.edu/payment). Payment due dates are specific to the payment plan. In order to help lower the average monthly cost and spread the semester payments over additional months, students can sign up early for a payment

plan. The monthly payment may be automatically increased to cover additional charges, in addition to tuition and fees, that are incurred over the course of the semester.

Students whose accounts have been reported to a credit bureau are not eligible for monthly payment plans and should be prepared to pay their semester balance, in full, before classes begin. Students who have a history of non-payment on their payment plan may not be eligible for payment plans and will be offered the default payment terms.

## Payment Methods

Students must grant access to authorized users (including parents) within the system before authorized users can view or make payments to the student's account. Students use their Southern user name and password to access the system. Students and/or authorized users can make payments in person, via mail, or online at [southern.edu/payment](https://southern.edu/payment).

### Credit Card Payments

Southern Adventist University honors VISA, MasterCard, Discover, American Express and debit cards for making payments on a student's account. No cash withdrawal service is available from these cards (this service may be obtained from a local bank).

Automatic credit card payments can be setup when the student and/or authorized user enrolls in a payment plan at [southern.edu/payment](https://southern.edu/payment).

### Personal Check Payments

Payments made to a student's account through mail or in person by personal check should have the student's 6-digit ID number written on the check. If the ID number is not written on the check when it is received, it will be written on the check by a Southern Adventist University employee for posting purposes.

Payment via electronic check can be made online at [southern.edu/payment](https://southern.edu/payment).

### Tuition Assistance

If a student is eligible for tuition assistance, Southern Adventist University requests that a Tuition Assistance form be filled out each academic school year to verify third party billing information. While Southern Adventist University does assist in the process of third party billing, it is the responsibility of the student and/or parents to ensure that tuition assistance is paid by their employer and/or outside agency. If a student receives an award letter that does not include tuition assistance, but the student's parent is eligible for tuition assistance, please notify the Student Finance Office as the financial aid offered must be adjusted.

## Collection Policies and Procedures

### Current Account Collections Policies

Each semester, students must have their account balance, less any eligible financial aid, paid in full or be current on a monthly payment plan otherwise classes will be dropped on (the last day for a 100% refund). Once classes are dropped, students can only have them reinstated if the account is paid in full, the payment plan is brought current, arrangements are made with the Student Finance office, or a financial agreement is approved by the Financial Appeals Committee. Students who cannot reach a satisfactory financial agreement by the census date last day to add a class, will need to stop attending classes and, if applicable, will be given one week to move out of campus housing.

Eligibility for returning students to register for future semesters will be based on having their account balance paid in full, less any eligible financial aid or current on their monthly payment plan.

Statements will be generated no later than the 5th business day of each month. Notification will be sent when the electronic statement is ready. Payment is due at the beginning of the semester, unless enrolled in a monthly payment plan, whereby the payment amount

and payment plan due date will defer to the online payment plan. An automated reminder email will be sent two days before the payment plan due date and if necessary, a second email is sent once the payment is late. A \$25 late fee will be charged fifteen days after the payment plan due date or at the end of the month, if not enrolled in a payment plan.

When a non-current student account is brought current, and has previously been reported to the credit bureau, it must continue to be reported until the account is paid in full and has had no activity for six months. Current students whose accounts are being reported to the credit bureau are not eligible to sign up for a monthly payment plan.

### **Non-Current Account Collections Policies**

Students completing or terminating their studies with Southern Adventist University should pay their account balance in full prior to leaving. If a student is no longer enrolled and has not paid their account in full, the account will be designated as non-current. A finance charge of one percent per month (or the maximum allowed by law, if lower) will apply to all non-current accounts. Southern Adventist University reserves the right to withhold payment, for services rendered, to satisfy a non-current account.

Non-current accounts are reported to the credit bureau 60 days after the account is designated as non-current. Once an account is reported to the credit bureau, it must continue to be reported until the account is paid-in-full and has had no activity for six months or is transferred to a collection agency.

If non-current accounts are not paid in full or satisfactory payment arrangements have not been made within 120 days, the account will be transferred to a collection agency and/or attorney. If Southern Adventist University deems it necessary to employ a collection agency and/or attorney to collect defaulted accounts, all charges for these services, including collection fees and/or court costs, will be added to the unpaid account.

### **Bankruptcy Policies**

Non-current accounts are considered educational debt per Southern Adventist University's Financial Responsibility Agreement and constitute a student loan which is generally not dischargeable under the U.S. Bankruptcy code at 11 U.S.C. §523(a)(8). Recognizing that the discharge of a debt through bankruptcy proceedings prohibits a creditor from subsequently pursuing the collection of the debt, Southern Adventist University, upon notification by the court of such filing, will comply with this legal prohibition. No further services will be extended. The bankruptcy of a financial sponsor in no way changes the underlying financial obligation of the student to pay their student account and/or student loans.

### **Transcript and Diploma Requests**

Under the U.S. Department of Education regulations, Southern Adventist University will withhold official academic transcripts, diplomas, certificates of completion, and other records if a student has an unpaid or past due student account, has Perkins, Nursing or Institutional loans that are past due or in default and/or has not completed exit counseling for ALL federal or Institutional loans. Exit counseling is required for each type of loan when a student graduates, leaves school, or drops below half-time enrollment.

For currently enrolled students, exceptions may be considered when the account is current except for the pending disbursement of financial aid. For non-enrolled students, official transcripts and/or diplomas will be released once the student account is paid in full, current on Perkins, Nursing, or Institutional loans, and all exit counseling's have been completed.

When payment is made by personal check, the transcript will be held for ten working days to allow the check to clear. TO EXPEDITE THE RELEASE OF THESE DOCUMENTS, THE STUDENT SHOULD SEND A MONEY ORDER, CASHIER'S CHECK OR PAY BY CREDIT OR DEBIT CARD TO COVER THE BALANCE OF THE ACCOUNT.

# Student Life and Services

A university is not only classroom instruction, but also a mode of association. The effectiveness of the University program is enhanced if students develop their interests and meet their needs through participation in the nonacademic activities provided. Students are encouraged to take advantage of the facilities and opportunities planned for their cultural, social, and spiritual growth.

## Campus Safety

The Campus Safety Department serves and protects the people and property of Southern Adventist University. The department monitors and responds to life safety incidents, medical emergencies, and fire alarms. Additionally, Campus Safety sends emergency notifications, investigates and reports incidents, including crimes. Services provided include jump starts, air in tire, fuel assistance, emergency door access, safety escorts, and vehicle registration. The Department is staffed 24/7 by unarmed licensed patrol officers and student dispatchers and can be reached at 423.236.2100 or at 5061 Colcord Drive.

## Career Services

Career development is an integral part of a student's higher education. Career services facilitate lifelong career development through self-awareness, career exploration, career decision-making, and the implementation of career choices. A career counselor is available to help students clarify their interests, work values, abilities and personality type; choose an academic major; explore potential careers; and prepare for employment by creating a resume, writing a cover letter and practicing for interviews.

Meet the Firms and Graduate Schools is a twice-a-year event that provides students with opportunities to network with employers and investigate curricular and career opportunities. Career Services is part of the Student Success Center on the third floor of Lynn Wood Hall.

## Chaplain's Office

The Chaplain's Office seeks to ignite every student to be a missional leader by providing an exceptional spiritual environment that empowers each student to:

1. Find identity and value in Jesus
2. Belong in a faith community
3. Embrace a vocational calling
4. Go wherever He leads

## Find Identity and Value in Jesus

Through Campus Ministries, Afterglow, LifeGroups (small groups) and Student Week of Prayer, students are enriched by finding their identity and value in an authentic, growing relationship with Jesus Christ.

- Campus Ministries hires and trains student leaders to develop and facilitate ministry and spiritual growth.
- Afterglow is held every Friday at 8:30 pm after the Vespers service. Afterglow provides spaces for students to build meaningful friendships, ask questions, share testimonies and engage in music.
- LifeGroups are available to our campus community based on a variety of topics, including prayer, Bible study, reading through a Christian book, discussing questions on faith and experiencing spiritual activities together. Every student is invited to be part of a LifeGroup as part of their Southern experience.

- Student Week of Prayer is held every Spring semester in the Collegedale Seventh-day Adventist Church. This week is run for the students and by the students through Campus Ministries.

### **Belong in a Faith Community**

Partnering with student-focused Adventist churches and facilitating a connection between the local faith community and our students during their time at Southern and beyond. We desire our students to experience a vibrant faith through intergenerational faith communities and meaningful relationships. Students are invited to participate in

- Vespers is held every Friday night at 7:30 pm in the Collegedale Seventh-day Adventist Church. Various speakers powerfully share the Gospel each week with student-led music and prayer.
- Renewal Worship Service is Collegedale Seventh-day Adventist Church's student-led service. Renewal is held every Sabbath morning at 11:45 in the Sanctuary.
- Merge Worship is a gospel style, multicultural, student-led worship service. Merge is held every Sabbath morning at 11:30 in the Lynn Wood Hall Chapel.

### **Embrace a Vocational Calling**

We desire to empower students by identifying their unique talents and gifts to further God's calling in their lives. At Southern students can take advantage of distinct resources made available to them, including:

- PathwayU, is a program offered by Career Services that guides students toward discovering purpose and meaning while exploring majors and occupations that align with their interests, personality, values, and workplace preferences.
- Clifton Strengths is available to students through The Center for Teaching Excellence and Biblical Foundations of Faith and Learning (CTE-BFFL). It helps students discover and develop their greatest God-given talents.

### **Go Wherever He Leads**

Southern encourages students to live a countercultural faith through serving others. There are opportunities for students to serve others through:

- uQuest: Students are equipped to create, co-lead, or participate in short-term mission trips globally. uQuest trips primarily travel during spring break and early in the summer and are part of Campus Ministries at Southern Adventist University.
- Student Missions: The Student Missions program began in 1967 and since then, more than 2,000 students have taken a school year or summer to follow the calling God and serve around the nation and the world.
- ERC Summer Trips: The Evangelist Resource Center program sends student evangelists all across the globe to share the good news of salvation through an evangelistic series.
- Christian Service: The Christian Service program is an academic Service-Learning opportunity where credits are earned through classes taken here at Southern or through opportunities such as mission trips and approved student initiated projects.
- Outreach: Students enjoy ministering to people where they live in the communities near campus. Student-led organizations provide food for the homeless, cheer for the elderly and disheartened, and a witness to the wandering.

The Chaplain of Southern Adventist University oversees the spiritual life of the campus and also is available for spiritual counseling, Bible studies, preparation for baptism, prayer and premarital counseling for all students, faculty, and staff.

### **Concert-Lecture Series**

Each year a concert-lecture series featuring significant artists and lecturers is provided for students, generally in connection with the weekly convocation program. The cost of admission for students is included in the tuition.



## Counseling and Testing Services

Students who wish to seek assistance from a professional counselor should contact Counseling Services in the Student Success Center located on the third floor of Lynn Wood Hall (423.236.2782). A wide variety of resources to assist students adjust to university life are available. Personal and career counseling, consultation, testing, and referral services are provided in a confidential caring environment.

Southern Adventist University is an established non-Saturday National Test Center for the administration of entrance examinations for students applying to graduate and professional schools. Contact Testing Services in the Student Success Center for test information.

## Dining

For the promotion of student health and enjoyment, Southern Adventist University provides a complete vegetarian cafeteria service, organized to serve student needs. The spacious dining hall is an inviting center of social and cultural life at the University, and service by the cafeteria staff is available for the many student and faculty social functions. Auxiliary dining rooms are available for meetings of student or faculty organizations. The Food Service Department also operates three vegetarian fast-food shops on the campus: K.R.'s Place, is conveniently located in the Student Center, the Deli at the Village Market, and the Kayak is in the Hulsey Wellness Center. The Kayak offers all fruit smoothies and more healthy choices of sandwiches and snacks.

## Disabilities - Rehabilitation Act (1973) Section 504: Services for Students with Disabilities

Students with disabilities that could impact their learning experiences at Southern should contact Disability Support Services (DSS) by phone at 423.236.2544 or in person at room 1080 on the first floor of Lynn Wood Hall to schedule an appointment regarding accommodations. Students are encouraged to reach out as soon as possible, as the process of certifying eligibility and arranging for reasonable accommodations could take some time.

Southern is in compliance with Section 504 of the Rehabilitation Act (1973) and is dedicated to the elimination of architectural and prejudicial barriers that prevent any qualified person from attending. Southern has established DSS to provide academic disability services according to the provisions of applicable disability law.

The University does not assume responsibility for identifying students who qualify for accommodations or services. Students must 1) voluntarily identify to the Disability Services Coordinator as having a qualifying disability and 2) provide appropriate documentation to support requests for accommodations.

Details about services as well as the requirements and processes involved in requesting accommodations at Southern can be found at [southern.edu/disabilitysupport](http://southern.edu/disabilitysupport).

## Discipline

Discipline refers to any action taken by Southern Adventist University relative to a student's social standing. All student disciplinary procedures are under the direction of the Vice-President for Student Development, who works with the residence hall deans in handling student disciplinary cases. The Vice-President for Student Development may separate a student from the school, suspend a student, deny re-admission, or place a student on citizenship probation. For further details, consult the *Student Handbook*.

## Mission of Southern's Convocation Calendar

The weekly convocation series accentuates Southern's liberal arts curriculum. Meeting at 11:00 am every Thursday of the academic year, it is an hour when the entire academic community assembles to celebrate God's good gifts of intellect. Convocation provides a unique opportunity to celebrate persons whose scholarship, art or public service



embodies the ideals of a Christian, liberal arts university. The mission of convocation is to enhance the academic program by celebrating and honoring academic achievement and presenting programs which enrich the classroom experience (or the formal curriculum). Speakers bring a variety of perspectives on topics and issues drawn from across the spectrum of liberal arts disciplines in the arts, sciences and humanities. This program is intended to promote broad discussion and active response from the academic community, extending beyond the convocation setting to classrooms and residence halls. The goal is to broaden and deepen the appreciation of creation and culture and to equip us to become discerning agents of redemption. Consistent with Southern's mission, the ultimate goal of convocation is to foster the development and application of a Christian worldview, though individual speakers need not endorse this goal. Other purposes of convocation include:

1. To present programs that will reinforce and/or challenge perspectives expressed elsewhere in the academic program;
2. To encourage students to listen respectfully and learn graciously both from those with whom we agree and disagree;
3. To have the opportunity to meet and understand those outside the community and to provide them opportunity to meet and understand us (i.e., the purposes of the program extend beyond just the period of formal presentation);

## Orientation Program

Southern Adventist University has a personal interest in the success of the student desiring a university education. There is much that the student must do to get acquainted with the academic, social, and religious life of the University by perusing this Catalog and the Southern Adventist University Student Handbook. Instruction and counsel are given which will help the student better understand the University program and what is expected of him/her as a citizen of the University community.

A comprehensive new student orientation is held during SmartStart and at the beginning of each semester. The student is introduced to the facilities, purposes, and functions of the University. Social occasions are also provided when students may meet faculty members and fellow students. All new students are required to attend the orientation program.

## Photo Release

By enrolling at Southern Adventist University, students authorize the use and reproduction by the University, or anyone authorized by the University, of any images taken while enrolled at the University, whether video or photo, film or digital, whether distributed by print medium, video cassette, CD, DVD, Internet, television, or any other mode or medium, whether now existing or subsequently developed. All such images, however stored, shall constitute Southern Adventist University property solely and completely. Students will not be entitled to compensation for the use of the image.

## Residence Hall Living

Living in a university residence hall with its daily "give and take" prepares the student to meet life with equanimity, teaches respect for the rights and opinions of others, and offers first-hand experience in adjusting to a social group. Southern has four residence halls: Talge Hall, Thatcher Hall, Thatcher South, and Southern Village.

To assure students this beneficial experience, the University requires those students who take more than three semester hours of class work and who are unmarried, under 23 years of age, and not living with their parents or other approved relatives in the vicinity, to reside in one of the residence halls. Students over the age of 23 will be accommodated with on-campus housing if space allows for such accommodations.

## Sanctions

Sanctions refer to any action taken by Southern Adventist University relative to a student's social standing. All student disciplinary procedures are under the direction of the Dean of Students, who works in consultation with the vice president for Student Development in situations that may involve dismissal. The Dean of Students may separate a student from the school, suspend a student, deny re-admission, or place a student on citizenship probation. For further details, please consult the Student Handbook.

## Social Activities and Organizations

The Director of Student Life and Activities plans social activities in consultation with the Student Activities Committee. Additional social programs are sponsored during the year by clubs and organizations.

In addition to the Student Association, more than 30 campus organizations provide opportunities for enrichment, leadership training, and enjoyment. They include church-related organizations-Campus Ministries; Student Ministerial Association; clubs related to academic interests sponsored by the departments; social clubs-Sigma Theta Chi (women), Upsilon Delta Phi (men), Black Christian Union, Christian Veterans Association and the Latin American Club, and special interest or hobby clubs.

## Standards of Conduct

In harmony with the objectives of the University, high standards of behavior are maintained to encourage the development of genuine Christian character. Mature Christian students of sound spiritual and social integrity appreciate standards that elevate and ennoble. Admission to Southern Adventist University is a privilege that requires the acceptance of and compliance with published and announced regulations. Only those whose principles and interests are in harmony with the ideals of the University and who willingly subscribe to the social program as ordered are welcomed. It therefore follows that since students at Southern Adventist University receive an education subsidized by the Seventh-day Adventist Church, those who engage in activities determined to be detrimental to the church on or off campus will not be knowingly accepted or retained.

A student who is out of harmony with the social policies of the University, who is uncooperative, and whose attitude gives evidence of an unresponsive nature may be advised to withdraw without specific charge.

Each student is expected to become acquainted with the standards of conduct published in the Southern Adventist University Student Handbook. The handbook includes levels of social discipline and the appeal route. A copy may be obtained from the office of the Vice-President for Student Development. Interim announcements of policies adopted by the administration are of equal force with those listed in official publications.

## Student Association

Every undergraduate student at Southern Adventist University who is taking eight or more semester hours of class work is a member of the Student Association with voting privileges in the election of officers. The association affords opportunities for leadership development and for cooperation in achieving the objectives of Southern Adventist University. The association assists the University administration and faculty in the implementation of policies and assumes responsibility in giving direction to campus activities entrusted to it. The association's activities are coordinated and communicated through the Student Senate and cabinet and their several committees. The activities and responsibilities of the officers and the detailed organization of the Student Association are outlined in the Student Association Constitution and Bylaws.

## Student Employment

Southern Adventist University encourages every student to balance work and study. If a student wants to work, is physically and emotionally able to work, and has arranged his/her class schedule to accommodate a reasonable work schedule, he/she may be able to obtain employment on campus. Students seeking employment should contact the Human Resources Office for information; however, students are responsible for securing their own employment. Students are encouraged to visit the Student Employment webpage: <http://www.southern.edu/administration/hr/forstudents/index.html> to learn about current openings, required documents prior to starting work, and other helpful resources.

## Student Health Insurance

Southern requires all undergraduate and international students to have MEDICAL insurance coverage that is valid in Tennessee and complies with the Affordable Care Act. Southern offers eligible students a nationwide Platinum level medical health insurance policy through United Healthcare Student Resources (UHCSR).

All undergraduate and international students must **submit the Health Insurance Verification and Enrollment form** before the start of classes **each semester**.

Undergraduate students taking six or more credit hours on campus, who do not have Medicaid or Military Insurance, are provided an **INJURY ONLY** policy. The premium for this coverage is included in the general fees.

For more information (eligibility, due dates, coverage dates, rates, policies, etc.) visit [southern.edu/risk](http://southern.edu/risk) and select 'Students.'

## Student Publications and Productions

As a vital part of its community of learning, Southern Adventist University sponsors the production of a variety of media by its students. When exercised in the spirit of Christian fellowship, responsible freedom of expression and debate of issues enhances the university community. Editors and producers are encouraged to express themselves freely within the parameters of the philosophy, standards, and mission statement of the University.

Student media are the voices of both students and faculty, representing the visual and creative arts, both in print and non-print formats. The student media provides a marketplace of ideas in a university environment. Student media serve not only the current residents of the campus, but also document the culture and history of the institution.

Approved student-produced media on campus are the Festival Studios (multimedia year in review), Joker (pictorial directory), Numerique (student phone directory), Southern Accent (student newspaper), Southern Memories (yearbook), and The Weekender (weekly announcements). Southern Adventist University is the legal publisher of all of the approved student-produced media.

## Tutoring Center

**McKee Library, 3rd floor, 423.236.2578, [southern.edu/tutoring](http://southern.edu/tutoring)**

The Tutoring Center offers free peer tutoring sessions to Southern students for multiple courses on campus including nursing, biology, chemistry, and math. In addition, we provide academic coaching and support for ACT test preparation. Schedule an appointment at [southern.mywconline.com](http://southern.mywconline.com).

## University Health Center

The University Health Center strives to provide high quality health care for the students of Southern Adventist University. Services are provided by a mid-level practitioner under the supervision of a physician. The Health Center is open during regular university working hours.

The Health Center is available to all students. We can also see student dependents if they are covered on the school insurance (United Health Care).

All charges incurred at the UHC will be charged to the student's account. The UHC will submit claims for students using the United Healthcare plan through Southern. The insurance reimbursement is posted to the student's account when it is received. The UHC is unable to process claims for students with private insurance, so students should plan to file their own insurance. A walk-out statement summarizing fees for services provided is available upon request. For further details, consult the Student Handbook.

## **Writing Center**

**McKee Library, main floor, 423.236.2014, [southern.edu/writingcenter](http://southern.edu/writingcenter)**

The Writing Center is your writing resource on campus. We offer free one-to-one, individualized tutoring sessions for Southern students. Wherever you are in the writing process, regardless of the paper, course, or discipline, we can help. Schedule an appointment at [southern.mywconline.com](http://southern.mywconline.com).

## **E. A. Anderson Lecture Series**

The E. A. Anderson Lecture Series is an annual feature of the business curriculum. The series is made possible by the generosity of E. A. Anderson of Atlanta, Georgia, for the purpose of giving the student a broader understanding of the business world. The public is invited to attend the lectures free of charge and continuing education credit is available. Lectures are presented at 7 p.m. on Monday evenings during the second semester, in the E. A. Anderson Business Seminar Room, Brock Hall, Room 3205. For more details visit <http://southern.edu/events>.

## **Eugene A. Anderson Organ Concert Series**

The Eugene A. Anderson Organ Concert Series was initiated in 1986 to provide world-class organ concerts on the campus of Southern Adventist University. The foremost organists from throughout the world present these concerts. Select performances are broadcast internationally on the American Public Radio Program, "Pipe Dreams." The series is made possible through the generosity of Eugene A. Anderson of Atlanta, Georgia, for the education and enjoyment of the students and the general public.

The Anton Heiller Memorial Organ, a 70-stop 108-rank tracker organ, was dedicated in the Collegedale Seventh-day Adventist Church in April, 1986, and is the largest of its kind in North America. A second instrument, a Renaissance mean-tone organ with two manuals and 13 stops, is housed in the music building's Ackerman Auditorium. Both were built by John Brombaugh and Associates of Eugene, Oregon.

## **Chamber Music Series**

Ackerman Auditorium in J. Mabel Wood Hall is the setting for the Chamber Music Series. Each semester two or three artists and/or ensembles provide a variety of listening experiences for students, faculty, and the community. Artists are chosen in such a fashion that over a four-year period a student can become acquainted with solo and ensemble music of many style periods. Master classes are often scheduled in conjunction with a concert.

## **E. O. Grundset Lecture Series**

The E. O. Grundset Lecture Series is jointly sponsored by the Southern Adventist University Chapter (Kappa Phi) of the Beta Beta Beta National Biological Honor Society and the Biology Department. Five or more lectures are presented each semester by guest speakers. The general public is invited.

The lectures are divided into two categories. The Technical Research Seminars are designed to update students, faculty, and the community on current biological research

as well as to illustrate to students how biological knowledge is acquired through research. The Natural History Lectures are less technical and provide a general understanding of organismic and ecological biology, either by a description of the plants or animals in a certain region or an account of the behavior, habits, or ecology of certain species.

### **Gerhard F. Hasel Lectureship on Biblical Scholarship**

The Gerhard F. Hasel Lectureship on Biblical Scholarship serves to promote biblical scholarship, particularly by inviting recognized non-Seventh-day Adventist scholars to lecture on the campus of Southern Adventist University each winter semester. The lectureship also serves to maintain a mutually helpful interchange between Adventist and non-Adventist biblical scholars, and to expose students and faculty to varied research and views in order to challenge and fortify reasons for biblical faith.

### **Institute of Archaeology**

The Institute of Archaeology, under the auspices of the School of Religion, coordinates archaeological programs through course offerings, the Lynn H. Wood Archaeological Museum, laboratories, the William G. Dever Research Library, excavations, and publications.

### **Institute of Evangelism and World Missions**

The Robert H. Pierson Institute of Evangelism and World Missions, under the auspices of the School of Religion, provides coordination and funding for students and faculty to engage in direct evangelistic and missionary opportunities, as well as research and resources through the Evangelistic Resource Center.

### **Learning Success Services**

Learning Success Services (LSS), located on the third floor of Lynn Wood Hall, provides staff and equipment in a supportive Christian environment to assist and encourage all students in their pursuit of learning. One-on-one tutoring by appointment is available in most academic areas. Students with expertise in academic areas are encouraged to seek employment as tutors. LSS offers seminars, classes, and tutoring in study skills, time management, organization, and learning. The Disability Services office is also at LSS. Students with documented disabilities should read the section about Disabilities in this Catalog.

### **Libraries**

To provide outstanding assistance for both residential and distance education students, McKee Library provides a wide range of resources and services through its web page and on site.

The library.southern.edu page provides access to an array of full-text databases, streaming media, indexes, e-books, peer-reviewed journals, serials, and digitized materials. Patrons utilize the library website to find books, articles, and media, submit interlibrary loan requests, schedule consultations with librarians, reserve study rooms, renew loans, view tutorials, access e-reserve items, and make use of the Ask-a-Librarian feature to get research advice.

When visiting the library, students can have a group study session in one of the study rooms, attend an information literacy session, meet with a librarian for one-on-one help with research, get help at the Writing Center or Tutoring Center, view Special Collection exhibits, study, read newspapers and journals, or enjoy an art display.

While on campus, users can also visit the Teaching Materials Center—an educational curriculum collection in Summerour Hall—to explore elementary and secondary curriculum materials and teaching guides and make use of Ellison dies, laminators, and other resources. In addition, users can visit the William G. Dever Research Library, Southern Adventist University's new archaeology library that houses a premier collection of archaeological resources, and the music collection, located in the School of Music.

## **Lynn H. Wood Archaeological Museum**

The Lynn H. Wood Archaeological Museum in Hackman Hall provides the basis for a stunning visual display of more than two hundred objects from Egypt, Babylonia, Persia, Syria-Palestine, Greece, Cyprus, and Anatolia. Illustrated through hundreds of photographs, drawings, and original art, the exhibit is designed to introduce artifacts in their ancient life-setting. Highlights include an ancient Babylonian brick stamped with Nebuchadnezzar's name, a complete series of lamps from the Chalcolithic to the early Arabic periods, a rare Syrian clay model of a chariot complete with wheels, handwritten cuneiform tablets from ancient Ur in Mesopotamia, and a series of Syrian toggle pins from the Middle Bronze Age. Through teaching, exhibition, conservation, and the annual Museum Lecture Series, the museum provides educational opportunities for university students and the community at large.

## **Marine Biological Station**

Southern Adventist University is affiliated with Walla Walla University's Rosario Beach Marine Biological Station to enrich and supplement its on-campus programs.

This Marine Biological Station is located on Fidalgo Island in the Puget Sound in the state of Washington and provides students with opportunities to study marine habitats in a temperate climate. This station also furnishes facilities for summer class work and research. Its close proximity to biomes ranging from sea bottom to Alpine tundra provides an excellent opportunity for instruction and investigation.

## **Robert H. Pierson Lecture Series**

The Robert H. Pierson Lectureship is sponsored in November of every year by the School of Religion under the auspices of the Robert H. Pierson Institute of Evangelism and World Mission. The lectures are meant to facilitate the training of ministers and other religion majors in Biblical Studies, Theology, History, Adventist Studies, Homiletics, Church Leadership, and in other areas of preparation.

## **William G. Dever Research Library**

The William G. Dever Research Library located adjacent to the Lynn H. Wood Archaeological Museum in Hackman Hall contains three major collections that comprise nearly 3,000 volumes and 20 different journal titles in the areas of archaeology, biblical studies, ancient Near Eastern languages, and Egyptology. The collections are fully integrated with the university library system for searching and research.

## **WSMC FM90.5**

Classical 90.5 WSMC is a 100,000 watt, noncommercial, radio station licensed to Southern Adventist University.

WSMC provides training for students in the field of broadcasting, marketing, and community engagement. The station regularly hires students as on-air announcers, producers, and public relations assistants. The station is an excellent way for the student to receive hands-on experience in the field of broadcasting and public radio/development.

WSMC represents the University to the Greater Chattanooga community, with a coverage area including a 94-mile radius of Chattanooga. Founded in 1961, it is the oldest noncommercial fine arts station in southeastern Tennessee. WSMC was the first radio station in a seven-state region to receive satellite capability. The station also exists as an outreach of the University—striving to enhance the quality of life in the community.

The station produces high-quality fine arts, informational, educational, and inspirational programs. WSMC broadcasts programs from NPR and American Public Media.

WSMC's broadcast studios are located on Colcord Drive across from Brock Hall. The facility includes a production room, music library, and on-air studio.

# General Education

## The Mission

Southern Adventist University nurtures Christ-likeness, traditional Seventh-day Adventist values, academic excellence, and a life-long pursuit of truth, wholeness, and service.

## Statement of Purpose

The general education program develops scholarship from a variety of perspectives to prepare students for leadership in their churches, families, and in society. In developing the whole person, it challenges students to achieve physical fitness, to model Christ-likeness, to reflect on beauty, and to value truth.

General education is key to achieving Southern Adventist University's mission since that part of the curriculum is common to the student body as a whole. Hence, it is designed to help all students develop those traits that mark a Southern Adventist University graduate. The Student Learning Goals articulated below are specific dimensions arising from the institution's mission, and vision. Southern Adventist University students will demonstrate competency in each of the student learning goals by completing the associated requirements.

## Student Learning Goals

For each area the minimum number of credit hours are listed for bachelor's and associate degrees respectively. E.G. In area R, bachelor's degree candidates must complete 12 hours, while associate degree candidates must complete 6. Some courses may include more hours than required, but in every requirement there are options that meet the minimum number of hours.

BACHELOR ASSOCIATE

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### R. Spiritual Development

12 6

**Student Learning Goal:** Students will grow in a vibrant relationship with the Lord Jesus Christ while integrating into their lives Bible-based beliefs and values as understood by the Seventh-day Adventist church.

**Rationale:** A graduate of Southern Adventist University has a knowledge of the Bible and a sense of Christian community based on the teachings, beliefs, and history of the Seventh-day Adventist Church.

A correct understanding of the human condition results from a knowledge of the Bible as God's word, a commitment that springs from that truth, and a system of values derived from such knowledge and insight.

**Requirements:** Bachelor's degree students must take a minimum of 12 hours of Religion courses, at least 3 hours of which must be upper division. These hours must be distributed as follows:

#### 1) Spiritual Development

3 3

Students will

1. assess their personal spiritual experience and evaluate areas of growth
2. demonstrate that they know how to carefully study the Bible in a way that brings out the truth of the text and meaningfully applies it to their lives
3. demonstrate what it means to have a personal devotional experience and to live out their faith



4. show an understanding of Christ likeness and be able to reflect on practical ways in which they can make positive changes in their personal lives

Complete: RELB 125 or RELT 177

**2) Seventh-day Adventist Teachings** **3**    **0-3**

Students will demonstrate an understanding of the Seventh-day Adventist theological identity while integrating into their lives Bible-based beliefs and values as understood by the Seventh-day Adventist Church.

Complete: RELT 138, RELT 225, or RELT 255

**3) Biblical Studies** **3**    **0-3**

Students will grow in a vibrant relationship with the Lord Jesus Christ, while integrating into their lives Bible-based beliefs and values as understood by the Seventh-day Adventist Church.

Complete: Any Biblical studies class (RELB) except RELB 125, RELB 255, RELB 455, and RELB 497

**4) Required Elective:** **3**    **0**

Students are required to complete one additional religion elective from the following options:

- RELB classes
- RELT classes
- RELP 240/RELP 340, RELP 251, RELP 252, RELP 264, RELP 361, RELP 405, or RELP 467

Associate degree students are required to take 6 credits, 3 of which must come from Area R-1 above and the other 3 credits which must come from either Area R-2 or Area R-3 above.

Transfer students must take 3 hours at an accredited Seventh-day Adventist college or university for each year or part thereof in attendance at an SDA college or university, with a minimum of 6 hours. Transfer students who are required to take only 9 credits or fewer in Religion at Southern may take their remaining Religion courses from either Area R-1, R-2, or R-3, but may not take more than one class from any single sub-area.

**IN. Intellectual Development Development** **29**    **14**

**Student Learning Goal:** Students will demonstrate the cognitive skills of critical reasoning, independent thinking, reflective judgment, communication; and the socio-emotional maturity to confront issues, ideas, and values of contemporary and historical civilization; and to become effective leaders and contributing members of their churches, families, groups and communities..

**Rationale:** The ability to appreciate and understand problems, people, and circumstances using a variety of skills and perspectives from a breadth of disciplines is an attribute of both leadership and effective work in churches, families, groups, and communities. Christian leaders integrate their knowledge in service to God and to humanity. Southern Adventist University graduates will gain balanced perspectives, knowledge, and skills through intellectual study in the following areas: humanities/fine arts, social/behavioral science, science/mathematics.



The *humanities/fine arts* required in IN-2, IN-3, IN-6 and IN-10 develop communication skills, critical reasoning, independent thinking, and reflective judgment across English composition, oral communication, historical perspectives and aesthetic analysis.

The *social/behavioral sciences* required in IN-1, IN-5, IN-8 and IN-9 develop understanding and encourage reflection on human and emotional development, and societal issues including the inter-relationship of humans with technological, political and/or economic systems.

The *science/mathematics* required in IN-4 and IN-7 develop knowledge and understanding of the scientific perspective and the ability to understand and use statistical concepts.

**Requirements:** Bachelor's degree students must complete all requirements in area IN. Associate degree students must complete IN-1 to IN-8

<b>1) College Orientation</b>	<b>1</b>	<b>1</b>
<p>First year students will learn to adapt to the requirements of academic and social life at Southern Adventist University.</p> <p>Complete: NOND 101.</p>		
<b>2) Written Computational Skills</b>	<b>6</b>	<b>3</b>
<p>Students will demonstrate critical, independent thinking, clearly communicate their ideas in written form, and demonstrate the ability to select appropriate evidence from quality sources.</p> <p>Complete: ENGL 101; ENGL 102 or ENGL 103 (Required for Southern Scholars).</p> <p>Students with an ACT English score &lt; 18 must register for ENGL 100 and achieve an ACT score of 18 or higher before entering ENGL 101.</p> <p><b>Candidates for the bachelor's degree must complete three writing-emphasis classes.</b></p> <p>These classes are identified by a "(W)" following the course name, [e.g., History of the South (W)] in the departmental listings. once such class must be in the student's major field and one must be outside the major field. The third may be chosen from any area. The writing done as a part of the program overseas completed by students majoring in International Studies, Spanish, or French will be accepted in place of a specially designated "W" course in the major.</p>		
<b>3) Oral Communication Skills</b>	<b>3</b>	<b>0</b>
<p>Students will demonstrate critical, independent thinking, clearly communicate their ideas in oral form, and demonstrate the ability to select appropriate evidence from quality sources.</p> <p>Complete: COMM 135 or COMM 145 (Required for Southern Scholars).</p>		
<b>4) Statistical Skills</b>	<b>3</b>	<b>0-3*</b>
<p>Students will understand basic statistics, correctly analyze statistical data, and interpret statistical conclusions on a substantial data set in a project.</p>		

Complete: MATH 215 or a major or minor from the department of Mathematics. Students with an ACT Mathematics score of 15 or below must complete MATH 081 with a grade of C or better before the student registers for any other mathematics course. Nursing majors with a MATH ACT score of 22 or higher, see the nursing program for additional information on Mathematics requirements.

\*AS degree seeking students may take either a math or a science to fulfill their general education

<b>5) Computing Concepts</b>	<b>1</b>	<b>1</b>
<p>Students will demonstrate an understanding of computer concepts related to the effective, safe, and responsible use of computing technology and demonstrate skill in evaluating technology and information.</p> <p>Complete: CPT 100 or a Major from the School of Computing. Students that have not completed a course covering word processing and spreadsheets must complete CPT 105 and CPT 106.</p>		
<b>6) Historical Perspectives</b>	<b>3</b>	<b>3</b>
<p>Students will</p> <ol style="list-style-type: none"> <li>1. recognize and articulate the interrelations between political, social, economic, religious, and/or intellectual developments within a particular historical era or across a range of historical periods</li> <li>2. demonstrate their ability to think critically when they analyze the arguments of primary and secondary texts while considering the historical and/or cultural assumptions of these arguments</li> </ol> <p>Complete 3 hours from: HIST 154, HIST 155, HIST 174, HIST 175, HIST 280, HIST 345, HIST 351, HIST 352, HIST 353, HIST 355, HIST 356, HIST 357, HIST 363, HIST 364, HIST 365, HIST 366, HIST 374, HIST 375, HIST 380, HIST 386, HIST 387, or HIST 388.</p>		
<b>7) Natural Science</b>	<b>3 - 4</b>	<b>0 - 4</b>
<p>Students will be able to apply the scientific process correctly and demonstrate an understanding of the concepts and limitations of natural science in classroom and laboratory experiences within a Seventh-day Adventist world view.</p> <p>Complete 3 hours from: BIOL 101, BIOL 103, BIOL 151, BIOL 152, CHEM 107, CHEM 151, ERSC 105, PHYS 137, PHYS 155, PHYS 211 &amp; PHYS 213, or PHYS 221 &amp; PHYS 223.</p> <p>*AS degree seeking students may take either a math or a science to fulfill their general education.</p>		
<b>8) Human Development</b>	<b>3</b>	<b>3</b>
<p>Students will understand and reflect on a range of cognitive, emotional, social, and societal issues and developmental concepts across the human lifespan from a Seventh-day Adventist worldview.</p> <p>Complete: PSYC 128 or SOCI 125.</p>		

<b>9) Stewardship, Business and Economics</b>	<b>3</b>	<b>0</b>
<p>Students will demonstrate the ability to interact intelligently with the economic environment of society. Students will recognize their role as stewards of God's resources and their responsibility to manage those entrusted resources in conformity with Biblical principles.</p> <p>Bachelor's degree candidates must complete 3 hours from: BUAD 126, BUAD 128, ECON 213, NRSJ 485, or NURS 450.</p>		
<b>10) Aesthetic Analysis</b>	<b>3</b>	<b>0</b>
<p>Apply critical thinking and reflective judgment to creative works of literature, music, or art from a Seventh-day Adventist world view.</p> <p>Bachelor's degree candidates must complete 3 hours from: ARTH 218, ARTH 225, ARTH 235, ARTH 245, ARTH 318, ARTH 335, ARTH 325, ARTH 345, COMM 326, ELIT 175, ELIT 214, ELIT 215, ELIT 216, ELIT 323, ELIT 332, ELIT 333, ELIT 335, ELIT 337, ELIT 338, ELIT 340, ELIT 342, ELIT 346, ELIT 417, ELIT 425, ELIT 444, ELIT 445, ELIT 468, ENGL 220, HMNT 205, MUCH 216, MUHL 115, MUHL 120, or MUHL 218.</p>		
<b>P. Physical Development</b>	<b>4</b>	<b>1</b>
<p><b>Student Learning Goal:</b> Students will take responsibility for their own well-being through participating in physical activities that promote a healthy lifestyle and prepare for a healthy life in their career.</p> <p><b>Rationale:</b> Physical fitness impacts success in all areas of life. Hence, optimal success in life rests on a foundation of a balanced life that includes fitness. Southern Adventist University students participate in fitness as part of the whole-person education that comes from the Seventh-day Adventist philosophy of education.</p> <p><b>Requirements:</b> Bachelor's degree students must complete all requirements in area P. Associate degree students must complete P-1a and a single course from P-1b.</p>		
<b>1-a) Fitness for Collegiate Life</b>	<b>1</b>	<b>1</b>
<p>Students will demonstrate responsibility for the psycho motor component of their well-being by participating in appropriate health-promoting physical activities appropriate for college students. Must be completed before admission to any subsequent PEAC/ADAC courses.</p> <p>Complete: PEAC 125.</p>		
<b>1-b) Physical Activity</b>	<b>2</b>	<b>0</b>
<p>Students will participate in courses that introduce them to physical activities that promote healthy living for the present and future. PEAC 125 is a prerequisite for all PEAC and ADAC courses.</p> <p>Associate degree candidates must complete 1 hour and Bachelor's degree candidates must complete 2 hours from: ADAC 141, ADAC 142, ADAC 145, ADAC 146, ADAC 148, ADAC 151, ADAC 152, ADAC 155, ADAC 156, ADAC 160, ADAC 161, ADAC 162, ADAC 200, ADAC 212, ADAC 214, ADAC 215, ADAC 248, ADAC 262; PEAC 121, PEAC 123, PEAC 131, PEAC 133, PEAC 134, PEAC 136, PEAC 137, PEAC 140, PEAC 143, PEAC 153, PEAC 215, PEAC 223, PEAC 230, PEAC 231, PEAC 232, PEAC 235, PEAC 241, PEAC 243, PEAC 247, PEAC 257, PEAC 261, PEAC 254/RECR 254, PEAC 325.</p>		

**1-c) Fit for Hire****1 0**

Students will demonstrate their physical fitness for employment through physical activity measures. PEAC 125 and additional activity courses must be completed prior to enrolling in PEAC 425.

Bachelor's degree candidates must complete: PEAC 425.

**Christian Service Requirement**

Following Jesus' example, Southern Adventist University encourages students to integrate their faith and learning. The Christian Service graduation requirement is intended to help students develop the ability to become contributing members of churches, families, groups, and communities.

The Christian Service Program requires students to serve in two main categories: community service and service-learning as follows:

Complete:

1. Three organized and pre-approved service events (3-5 hours each). Transferring sophomores need to complete two activities. Transferring juniors or seniors, and associate graduates need to complete one.
2. Two service-learning experiences such as those included in (SERV-2) designated courses, short term mission trips or approved student lead projects (15 hours minimum each). Transferring sophomores need to complete two. Transferring juniors or seniors, and associate graduates need to complete one.

For more information see: <http://www1.southern.edu/academics/academic-sites/christianservice/>.

**Bachelor of Arts Degrees**

Students entering Southern Adventist University who have less than two secondary school credits of foreign language and who are pursuing a Bachelor of Arts degree must complete a minimum of six credit hours of a foreign language. Students should consult their school/department for specific requirements.

**General Electives**

The number of general electives depends on the degree and program of choice. All students must meet the minimum number of hour requirement for their degree. Those hours remaining after fulfilling the requirements of their major/minor program(s) and general education are general elective hours and may be taken from any courses offered at the undergraduate level at Southern Adventist University.

**Summary of General Education Hours****BACHELOR ASSOCIATE**

Area R – Spiritual Development	12	6
Area IN – Intellectual Development	29-30	14
Area P– Physical Development	4	1
<b>Totals</b>	<b>45-46</b>	<b>21</b>

# Programs of Study

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## Allied Health

**Chair:** Keith Snyder

**Faculty:** Joyce L. Azevedo, Aaron Corbit, L. Ann Foster, Noemi Gonzalez, Rick Norskov, Tim Trott

**Program Adviser:** Randy Bishop

**Program Coordinator:** Randy Bishop

**Medical Laboratory Science Adviser:** Noemi Gonzalez

**Medical Laboratory Science:** Daniel Gonzalez, Tim Newkirk, Melissa Poua, Karen Reiner, Tasha Simpson

The Allied Health Professions are rapidly growing areas of specialization within the health care industry. Job openings are plentiful and pay scales are comparable to other professionals in health care. The department offers a B.S. degree in Medical Laboratory Science and A.S. degrees in a number of Allied Health fields.

### Mission Statement

The Allied Health branch of the Biology/Allied Health Department exists to coordinate the advising of students who require prerequisite courses for entrance into a variety of clinical programs in the medical, dental, and health professions, as well as to promote these professions as meaningful career options providing opportunities for Christian service.

### Assessment

The programs in this department vary extensively depending on the particular health career and the requirements of the specific schools which offer the clinical programs. Southern Adventist University continually monitors the requirements of these clinical programs and modifies its pre-professional curricula to meet the changes when they are made. Continual assessment is made essentially by the advisers in the department who measure their effectiveness by their success in structuring programs to meet individual student needs and to meet requirements of the professional school where the student will transfer. The entrance rate of students into professional programs is also used to assess adequacy of class offerings and program requirements.

## BACHELOR OF SCIENCE IN MEDICAL LABORATORY SCIENCE

**Program Adviser:** Noemi Gonzalez

**Program Coordinator:** Randy Bishop

The Bachelor of Science degree with a major in medical laboratory science (medical technology) consists of three years of prescribed study at Southern Adventist University and a three semester senior year in an affiliated medical laboratory science program accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), Rosemont, IL. The medical laboratory science program affiliated with Southern Adventist University is Andrews University, Berrien Springs, MI.

The Medical Laboratory Science degree qualifies a person to take the national certification examination for medical laboratory scientists, offered by the Board of Certification of the American Society for Clinical pathology (ASCP). Certified laboratory professionals work in hospitals, clinics, physicians' offices, public health agencies, private laboratories, pharmaceutical firms, and research institutions.

The curriculum prescribed by Southern is designed to meet the requirements of the University and of NAACLS.

Occasionally pre-dental students, pre-medical students, and graduating seniors in biology or chemistry may wish to become certified Medical Lab Scientists. This is possible if the student plans courses to fulfill the requirements of the University and the affiliated medical laboratory science program.

During the fall semester of the third year, students must apply for through a separate admission process to the Andrews University Program for Medical Laboratory Sciences. Acceptance is determined by the Program's Admissions Committee. To be eligible, a student must complete all of Southern's course requirements prior to beginning the clinical (senior) year. The overall grade point average (GPA) must meet Southern's graduation requirement. The Andrews clinical program does not accept students with less than a 2.50 cumulative average on a 4.00 system. To have a competitive application, it is recommended that a 3.00 cumulative average is maintained. Acceptance to Andrews Program is granted during the winter semester of the junior year and is conditional, pending satisfactory completion of the stated admission criteria. Should a student's GPA fall below 2.50 or the student fail a winter semester course, acceptance to the Andrews Program will be rescinded.

Grades of C- or better and a minimum GPA of 2.50 are required in the major and cognates.

Twenty hours of upper division credit, including two writing (W) courses are required. One (W) course must be in a cognate area and one in a noncognate area.

## **ASSOCIATE OF SCIENCE IN ALLIED HEALTH**

Students who plan to graduate from Southern with an Associate Degree in Allied Health must meet the A.S. degree General Education requirements of Southern as well as the entrance requirements of the clinical program to which they will be applying.

Applications for transfer to the colleges offering Allied Health programs should be made during the first semester of the final year at Southern. Students should consult the program that they plan to apply to for specific application deadlines.

Most programs require a minimum of a "C" grade for transfer credits. A minimum grade point average of 2.00 is required for the Associate of Science degree at Southern, but grade point averages between 2.00 and 2.50 are considered minimal for entrance to the junior year of most clinical Allied Health programs. Some programs required the Allied Health Professions Admissions Test (AHPAT).

*Note: Due to rapidly changing health care requirements, please contact the individual college/university for recent curriculum changes.*

The major Allied health areas in which an Associate Degree may be earned at Southern Adventist University are:

- Two year A.S. degree:
  - pre-Dental Hygiene
  - pre-Nutrition and Dietetics
  - pre-Speech Language Pathology & Audiology
- Three year A.S. degree:
  - pre-Physical Therapy

The department also offers one-year curricula to meet requirements for entrance into the following Allied Health degree programs:

- Occupational Therapy Assistant (Associate in Science Degree)
- Physical Therapy Assistant (Associate in Science Degree)
- Radiation Technology (Associate and Bachelor of Science Degrees)

For details on these or other programs not offered at Southern Adventist University contact:

Allied Health Programs Adviser  
Southern Adventist University  
P.O. Box 370  
Collegedale, TN 37315-0370

## MEDICAL LABORATORY SCIENCE, B.S.

Core	42
General Education	32
Electives to = 94	—
TOTAL at Southern	94
One year of clinicals at Andrews	47
<b>TOTAL</b>	<b>141</b>

### Required Core Courses

- ALHT 225 - Introduction to Medical Laboratory Science 2 hours
- BIOL 151 - General Biology (IN-7) 4 hours
- BIOL 152 - General Biology (IN-7) 4 hours
- BIOL 311 - Genetics 4 hours
- BIOL 329 - General Microbiology 3 hours
- BIOL 340 - Immunology 3 hours
- CHEM 151 - General Chemistry (IN-7) 4 hours
- CHEM 152 - General Chemistry 4 hours
- CHEM 311 - Organic Chemistry 4 hours
- CHEM 312 - Organic Chemistry 4 hours
- MATH 215 - Statistics (IN-4) 3 hours
- UD Biology Elective\* 3 hours
- TOTAL 42 HOURS**

\*Biology Elective-Recommended BIOL 315 or BIOL 424

- Note: Grades of C- or better are required in the major and cognate courses

### General Education Courses

#### Area R-1

- RELB 125 - Life and Teachings of Jesus (R-1) 3 hours
- OR RELT 177 - Christian Spirituality (R-1) 3 hours
- TOTAL 3 HOURS**

#### Area R-2

- RELT 138 - Adventist Heritage (R-2) 3 hours
- OR RELT 225 - Last-Day Events (R-2) 3 hours
- OR RELT 255 - Christian Beliefs (R-2) 3 hours
- TOTAL 3 HOURS**

**Area R-3 or R-4 UD**

RELB or RELT upper division course or RELP 340, RELP 405, or RELP 467.

**TOTAL 3 HOURS**

**Area IN-1**

NOND 101 - Southern Connections (IN-1) 1 hour

**TOTAL 1 HOUR**

**Area IN-2**

ENGL 101 - Critical Thinking in Academic Reading and Writing I (IN-2) 3 hours

ENGL 102 - Critical Thinking in Academic Reading and Writing II (IN-2) 3 hours

**TOTAL 6 HOURS**

**Area IN-3**

COMM 135 - Communication and Public Speaking (IN-3) 3 hours

**TOTAL 3 HOURS**

**Area IN-5**

CPTC 100 - Computer Concepts (IN-5) 1 hour

**TOTAL 1 HOUR**

**Area IN-6**

HIST course 3 hours

**TOTAL 3 HOURS**

**Area IN-8**

PSYC 128 - Developmental Psychology (IN-8) 3 hours

OR SOCI 125 - Introduction to Sociology (IN-8) 3 hours

**TOTAL 3 HOURS**

**Area IN-10**

Aesthetic Analysis 3 hours

**TOTAL 3 HOURS**

**Area P-1a**

PEAC 125 - Fitness for Collegiate Life (P-1a) 1 hour

**TOTAL 1 HOUR**

**Area P-1b**

ADAC, OLAC, RECR, or PEAC course 2 hours

**TOTAL 2 HOURS**

**Electives**

Electives to make a total of 94 hours

**Recommended:**

CHEM 315 - Quantitative Analysis 4 hours

CHEM 321 - Instrumental Analysis 4 hours

CHEM 361 - Biochemistry I 4 hours

MGNT 334 - Principles of Management 3 hours

PHYS 211 - General Physics I (IN-7) 3 hours

PHYS 212 - General Physics II 3 hours

PHYS 213 - General Physics Laboratory I (IN-7) 1 hour

PHYS 214 - General Physics Laboratory II 1 hour



### Hospital Clinical (Senior) Year

One calendar year spent in Andrews University's clinical program. Classes will include:

Hematology and Hemostasis, Clinical Immunology, Clinical Bacteriology, Clinical Mycology and Parasitology, Immunohematology, Transfusion Medicine, Clinical Chemistry, Body Fluids, Laboratory Management, Specimen Procurement and Processing, Research, and a twenty-week clinical practica.

### ALLIED HEALTH PRE-DENTAL HYGIENE, A.S.

**Adviser:** Randy Bishop

Dental hygienists provide preventative dental care and encourage patients to develop good oral hygiene skills. In addition to carrying out clinical responsibilities such as cleaning and scaling teeth, hygienists educate patients in ways to develop and maintain good oral health. Although most hygienists work with individual patients, some develop and promote community dental health programs. In addition to career opportunities within dental offices, dental hygienists apply their skills and knowledge in other career activities including office management, business administration, dental hygiene education, research and marketing of dental related equipment and materials.

The program below meets admission requirements for Loma Linda University, as well as Southern Adventist University's requirements for an A.S. degree. This program can be modified to meet the requirements of other schools. For a complete description of Southern's General Education requirements, refer to Academic Policies.

Major	47
General Education	15
Electives to = 64	
<b>TOTAL</b>	<b>64</b>

#### Required Courses

- ADAC/PEAC Physical Activity (P1-b) 1 hour
- ALHT 111 - Introduction to the Health Professions 1 hour
- BIOL 101 - Anatomy and Physiology (IN-7) 4 hours
- BIOL 102 - Anatomy and Physiology 4 hours
- BIOL 225 - Basic Microbiology 4 hours
- CHEM 119 - Introductory Chemistry 4 hours
- CHEM 120 - Survey of Health Chemistry 3 hours
- CHEM 121 - Survey of Health Chemistry Laboratory 1 hour
- COMM 135 - Communication and Public Speaking (IN-3) 3 hours
- ENGL 102 - Critical Thinking in Academic Reading and Writing II (IN-2) 3 hours
- HLED 173 - Health for Life 2 hours \*
- MATH 215 - Statistics (IN-4) 3 hours
- PSYC 122 - General Psychology 3 hours
- SOCI 125 - Introduction to Sociology (IN-8) 3 hours
- SOCI 150 - Cultural Anthropology 3 hours
- OR SOCI 230 - Multicultural Relations 3 hours

**\*\*Select five (5) hours from the following (Limit of 2 hours from MUPF):**

- ARTH 218 - Art Appreciation (IN-10) 3 hours
- ELIT 214 - Survey of American Literature (IN-10) 3 hours
- ELIT 215 - Survey of English Literature (IN-10) 3 hours
- ELIT 216 - Approaches to Literature (IN-10) 3 hours
- HMNT 205 - Arts and Ideas (IN-10) 3 hours
- MUCH 216 - Music in the Christian Church (IN-10) 3 hours
- MUHL 115 - Music in Western Culture (IN-10) 3 hours
- MUHL 120 - Music in the United States (IN-10) 3 hours
- MUHL 218 - Musical Styles and Repertories (IN-10) 3 hours

MUPF 118 - I Cantori 1 hour  
 MUPF 119 - Bel Canto 1 hour  
 MUPF 128 - Wind Symphony 1 hour  
 MUPF 129 - Applied Music 1-2 hours  
 MUPF 138 - Symphony Orchestra 1 hour  
 MUPF 158 - Die Meistersinger Male Chorus 1 hour  
**TOTAL 47 HOURS\**MAY BE SUBSTITUTED BY NRNT 125 OR HLNT 135***

*\*\*Credits must be taken in two (2) different subject areas*

*Note: C is the lowest acceptable grade*

*Recommended: BIOL 255*

### **Electives**

Electives to make a total of 64 hours

## **ALLIED HEALTH PRE-NUTRITION AND DIETETICS, A.S.**

**Adviser:** Randy Bishop

Dietitians and nutritionists use their knowledge of the principles of nutrition to help people develop healthy eating habits. Dietitians may be involved in setting up and supervising food service systems for institutions such as hospitals, prisons, and schools; and promoting sound eating habits through education and research. Clinical dietitians provide nutritional services for patients in hospitals, nursing homes, clinics, or doctors' offices. Community dietitians counsel individuals and groups on nutritional practices designed to prevent disease and promote good health. Management dietitians are responsible for large scale meal planning and preparation in such places as hospitals, nursing homes, company cafeterias, and schools.

Southern Adventist University offers associate degree programs which provide the pre-requisite courses for entrance into the final two years of the bachelors degree programs of both Andrews University and Loma Linda University. These programs can be modified to meet requirements of other schools as well.

Major	46
General Education	15
Electives to = 64	
<b>TOTAL</b>	<b>64</b>

### **Andrews University Track**

The program below meets the admission requirements for Andrews University, as well as Southern Adventist University's requirements for an A.S. degree. For a complete description of Southern's General Education requirements, refer to Academic Policies.

### **Required Courses**

ADAC/PEAC Physical Activity (P-1b) 1 hour  
 ALHT 111 - Introduction to the Health Professions 1 hour  
 BIOL 101 - Anatomy and Physiology (IN-7) 4 hours  
 BIOL 102 - Anatomy and Physiology 4 hours  
 BIOL 225 - Basic Microbiology 4 hours  
 BMKT 326 - Principles of Marketing 3 hours  
 CHEM 119 - Introductory Chemistry 4 hours  
 CHEM 120 - Survey of Health Chemistry 3 hours  
 CHEM 121 - Survey of Health Chemistry Laboratory 1 hour  
 COMM 135 - Communication and Public Speaking (IN-3) 3 hours  
 ENGL 102 - Critical Thinking in Academic Reading and Writing II (IN-2) 3 hours  
 MATH 215 - Statistics (IN-4) 3 hours  
 NRNT 125 - Nutrition 3 hours

PSYC 122 - General Psychology 3 hours

SOCI 125 - Introduction to Sociology (IN-8) 3 hours

**Select three (3) hours from the following:**

ARTH 218 - Art Appreciation (IN-10) 3 hours

ELIT 214 - Survey of American Literature (IN-10) 3 hours

ELIT 215 - Survey of English Literature (IN-10) 3 hours

ELIT 216 - Approaches to Literature (IN-10) 3 hours

HMNT 205 - Arts and Ideas (IN-10) 3 hours

MUCH 216 - Music in the Christian Church (IN-10) 3 hours

MUHL 115 - Music in Western Culture (IN-10) 3 hours

MUHL 120 - Music in the United States (IN-10) 3 hours

MUHL 218 - Musical Styles and Repertories (IN-10) 3 hours

**TOTAL 46 HOURS**

*Note: C is the lowest acceptable grade*

**Electives**

Electives to make a total of 64 hours

**Loma Linda University Track**

The program below meets admission requirements for Loma Linda University, as well as Southern Adventist University's requirements for an A.S. degree. For a complete description of Southern's General Education requirements, refer to Academic Policies.

Major	49
General Education	15
<b>TOTAL</b>	<b>64</b>

**Required Courses**

ADAC/PEAC Physical Activity (P-1b) 1 hour

ALHT 111 - Introduction to the Health Professions 1 hour

BIOL 101 - Anatomy and Physiology (IN-7) 4 hours

BIOL 102 - Anatomy and Physiology 4 hours

BIOL 225 - Basic Microbiology 4 hours

CHEM 151 - General Chemistry (IN-7) 4 hours

CHEM 152 - General Chemistry 4 hours

COMM 135 - Communication and Public Speaking (IN-3) 3 hours

ENGL 102 - Critical Thinking in Academic Reading and Writing II (IN-2) 3 hours

HLED 210 - Medical Terminology 1 hour

MATH 215 - Statistics (IN-4) 3 hours

NRNT 125 - Nutrition 3 hours

PSYC 122 - General Psychology 3 hours

SOCI 125 - Introduction to Sociology (IN-8) 3 hours

SOCI/PSYC/PLSC Elective 3 hours

**\*Select five (5) hours from the following (Limit of 2 hours from MUPF):**

ARTH 218 - Art Appreciation (IN-10) 3 hours

ELIT 214 - Survey of American Literature (IN-10) 3 hours

ELIT 215 - Survey of English Literature (IN-10) 3 hours

ELIT 216 - Approaches to Literature (IN-10) 3 hours

HMNT 205 - Arts and Ideas (IN-10) 3 hours

MUCH 216 - Music in the Christian Church (IN-10) 3 hours

MUHL 115 - Music in Western Culture (IN-10) 3 hours

MUHL 120 - Music in the United States (IN-10) 3 hours

MUHL 218 - Musical Styles and Repertories (IN-10) 3 hours

MUPF 118 - I Cantori 1 hour

MUPF 119 - Bel Canto 1 hour

MUPF 128 - Wind Symphony 1 hour

MUPF 129 - Applied Music 1-2 hours  
 MUPF 138 - Symphony Orchestra 1 hour  
 MUPF 158 - Die Meistersinger Male Chorus 1 hour  
**TOTAL 49 HOURS**

\*Credit must be taken in two (2) different subject areas.

Note: C is the lowest acceptable grade

## ALLIED HEALTH PRE-PHYSICAL THERAPY, A.S.

**Adviser:** Randy Bishop

Physical therapists work to improve the mobility, relieve the pain, and prevent or limit the permanent disability of patients suffering from injuries or disease. Their patients include accident victims or handicapped individuals with such conditions as nerve injuries, amputations, low back pain, arthritis, and heart disease. Some physical therapists treat a wide variety of problems and others specialize in such areas as pediatrics, orthopedics, and sports physical therapy. The working environment of physical therapists varies from specially equipped facilities in hospitals or clinics to schools, private offices, and private homes.

Major	51-52
General Education	15
Electives to = 92 (Must include 15 UD, 9 of which must be in one content area)	
<b>TOTAL</b>	<b>92</b>

### Andrews University Track

The program below meets Andrews University admission requirements, as well as Southern Adventist University's requirements for an A.S. degree. This program can be modified to meet the requirements of other schools. The Doctorate of Physical Therapy (DPT) program at Andrews is three years (nine semesters) in length. For a complete description of Southern's General Education requirements, refer to Academic Policies.

### Required Courses

ADAC/PEAC Physical Activity (P-1b) 1 hour  
 ALHT 111 - Introduction to the Health Professions 1 hour  
 BIOL 101 - Anatomy and Physiology (IN-7) 4 hours  
 BIOL 102 - Anatomy and Physiology 4 hours  
 CHEM 151 - General Chemistry (IN-7) 4 hours  
 CHEM 152 - General Chemistry 4 hours  
 COMM 135 - Communication and Public Speaking (IN-3) 3 hours  
 ENGL 102 - Critical Thinking in Academic Reading and Writing II (IN-2) 3 hours  
 HLED 210 - Medical Terminology 1 hour  
 PHYS 211 - General Physics I (IN-7) 3 hours  
 PHYS 212 - General Physics II 3 hours  
 PHYS 213 - General Physics Laboratory I (IN-7) 1 hour  
 PHYS 214 - General Physics Laboratory II 1 hour  
 PSYC 122 - General Psychology 3 hours  
 PSYC 128 - Developmental Psychology (IN-8) 3 hours

### One 3-hour human biology course with lab 3 hours

BIOL 416 - Human Anatomy 3 hours  
 OR PETH 315 - Physiology of Exercise (W) 4 hours

MATH 215 - Statistics (IN-4) 3 hours  
 OR NRSJ 316 - Applied Statistics for Health Professions (IN-4) 3 hours

**Select three (3) hours from the following:**

- ARTH 218 - Art Appreciation (IN-10) 3 hours
- COMM 326 - Film Evaluation (IN-10) (W) 3 hours
- ELIT 214 - Survey of American Literature (IN-10) 3 hours
- ELIT 215 - Survey of English Literature (IN-10) 3 hours
- ELIT 216 - Approaches to Literature (IN-10) 3 hours
- HMNT 205 - Arts and Ideas (IN-10) 3 hours
- MUCH 216 - Music in the Christian Church (IN-10) 3 hours
- MUHL 115 - Music in Western Culture (IN-10) 3 hours
- MUHL 120 - Music in the United States (IN-10) 3 hours
- MUHL 218 - Musical Styles and Repertories (IN-10) 3 hours

**TOTAL 51-52 HOURS***Note: C is the lowest acceptable grade***Electives**

Electives to make a total of 92 hours (Must include 15 upper division credits, 9 of which must be in one content area.)

**Andrews University Admission and Degree Requirements:**

Observation Hours: Students must complete a minimum of 80 observation hours supervised by a licensed physical therapist in at least 3 different settings; at least 20 hours must be in an inpatient acute care or hospital setting. Please note that sub-acute, rehab, skilled nursing home or extended care facilities do not qualify as a hospital or acute care setting. See PTCAS for a copy of an Observation Hour Verification form.

**ALLIED HEALTH PRE-SPEECH LANGUAGE PATHOLOGY & AUDIOLOGY, A.S.****Adviser:** Randy Bishop

Speech-language pathologists identify, assess, and treat persons with speech and language disorders while audiologists assess and treat hearing impaired individuals. Because both occupations are concerned with communication, individuals competent in one area must be familiar with the other. The duties of speech-language pathologists and audiologists vary. Most, however, provide direct clinical services to individuals with communication disorders. In speech, language, and hearing clinics they may independently develop and implement a treatment program. In private medical centers and other facilities, they may be part of a team that develops and executes a treatment plan. In schools they may help administrators develop individual or group programs, counsel parents on prevention of hearing disorders, and assist professors with classroom activities.

The program below meets admission requirements for Andrews University and Loma Linda University, as well as Southern Adventist University's requirements for an A.S. degree. This program can be modified to meet the requirements of other schools. For a complete description of Southern's General Education requirements, refer to Academic Policies.

Major	40
General Education	15
Electives to = 64	
<b>TOTAL</b>	<b>64</b>

**Required Courses**

- ADAC/PEAC Physical Activity (P-1b) 1 hour
- ALHT 111 - Introduction to the Health Professions 1 hour
- ALHT 284 - Introduction to Speech-Language Pathology and Audiology 2 hours
- BIOL 101 - Anatomy and Physiology (IN-7) 4 hours
- BIOL 102 - Anatomy and Physiology 4 hours

COMM 135 - Communication and Public Speaking (IN-3) 3 hours  
 ENGL 102 - Critical Thinking in Academic Reading and Writing II (IN-2) 3 hours  
 HLED 173 - Health for Life 2 hours \*  
 MATH 215 - Statistics (IN-4) 3 hours \*\*  
 PHYS 137 - Conceptual Physics (IN-7) 3 hours  
 PSYC 122 - General Psychology 3 hours  
 PSYC 128 - Developmental Psychology (IN-8) 3 hours  
 SOCI/PSYC/PLSC - Select from SOCI, PSYC, or PLSC Elective 3 hours

**\*\*\*\*Select five (5) hours from the following (Limit of 2 hours from MUPF):**

ARTH 218 - Art Appreciation (IN-10) 3 hours  
 ELIT 214 - Survey of American Literature (IN-10) 3 hours  
 ELIT 215 - Survey of English Literature (IN-10) 3 hours  
 ELIT 216 - Approaches to Literature (IN-10) 3 hours  
 HMNT 205 - Arts and Ideas (IN-10) 3 hours  
 MUCH 216 - Music in the Christian Church (IN-10) 3 hours  
 MUHL 115 - Music in Western Culture (IN-10) 3 hours  
 MUHL 120 - Music in the United States (IN-10) 3 hours  
 MUHL 218 - Musical Styles and Repertories (IN-10) 3 hours  
 MUPF 118 - I Cantori 1 hour  
 MUPF 119 - Bel Canto 1 hour  
 MUPF 128 - Wind Symphony 1 hour  
 MUPF 129 - Applied Music 1-2 hours  
 MUPF 138 - Symphony Orchestra 1 hour  
 MUPF 158 - Die Meistersinger Male Chorus 1 hour

**TOTAL 40 HOURS**

*\*May be substituted by NRNT 125 - Nutrition*

*\*\*In addition LLU requires two years of high school math including Algebra I and II or a minimum of Intermediate Algebra in college without credit or College Algebra or higher for credit. Statistics does not meet LLU's math requirement.*

*\*\*\*If applying to LLU, a Chemistry course can be substituted for Exploring Physics*

*Note C is the lowest acceptable grade for AU and LLU*

*\*\*\*\*Credits must be taken in two (2) different subject areas.*

**Electives**

Electives to make a total of 64 hours

# Applied Technology

**Chair:** Stephanie Sheehan

**Faculty:** Dale Walters, John Youngberg

**Adjunct Faculty:** Steve Oskins

**Program Coordinators:**

Automotive Service, Dale Walters

Construction Management, John Youngberg

Automotive Service Technician Certificate, Dale Walters

The mission of the Applied Technology Department at Southern is to promote the development of practical skills in a Christian environment while learning responsibility to God and community through service.

**Objectives:**

1. To provide students with hands-on experiences to develop technical skills.
2. To expose students to career opportunities in technical and service occupations.
3. To provide opportunities to learn technical skills and knowledge for careers and life-long enjoyment through hobbies.
4. To provide the necessary prerequisite knowledge and skills for specialized technical and professional occupations.
5. To provide the opportunity for critical thinking, problem solving, and creative skill development in God's service.

**Assessment**

All automotive technology students will be given the NIASE (National Institute of Automotive Service Excellence) certification exams as specified by the department. Students who pass the exams become eligible for ASE certification after two years of experience following their training. Students completing the two year degree will have one year of the two years of experience required for certification completed.

**Residency Requirements for B.T. Automotive Service Management, A.T. Automotive Service, Automotive Service Technician, and Automotive Service Minor**

TECH 230 Automatic Transmission for the B.T. and A.T. degrees.

TECH 299 Advanced Engine Performance for the B.T. degree.

TECH 175 Engine Rebuilding and Machining/TECH 375 Engine Rebuilding and Machining for the B.T. and A.T. degrees, Minor, and Certificate.

**Residency Requirements for B.T. Construction Management, A.T. Construction Management and Construction Minor**

TECH 352 Construction Estimating-Commercial

TECH 355 Construction Estimating-Residential

**AUTOMOTIVE SERVICE MANAGEMENT, B.T.**

Major	84
General Education	42
<b>TOTAL</b>	<b>126</b>

**Required Courses**

ACCT 221 - Principles of Accounting I 3 hours

ACCT 222 - Principles of Accounting II 3 hours

BMKT 326 - Principles of Marketing 3 hours  
 BUAD 128 - Personal Finance (IN-9) 3 hours  
 BUAD 217 - Business-Computer Concepts and Applications 3 hours  
 BUAD 339 - Business Law 3 hours  
 BUAD 358 - Ethical, Social, and Legal Environment of Business (W) 3 hours  
 ECON 224 - Principles of Macroeconomics 3 hours  
 FNCE 315 - Principles of Finance 3 hours  
 MGNT 344 - Human Resource Management 3 hours  
 MGNT 350 - Business Operations and Supply Chain Management 3 hours  
 MGNT 464 - Business Strategies (W) 3 hours  
 MGNT 372 - Small Business Management 3 hours  
 TECH 114 - Oxy-Acetylene Welding 1 hour  
 TECH 115 - Arc Welding (SERV-2) 2 hours  
 TECH 166 - Auto Electrical Systems 2 hours  
 TECH 167 - Suspension, Steering and Alignment 3 hours  
 TECH 168 - Manual Drive Train, and Axles 3 hours  
 TECH 169 - Automotive Brakes 3 hours  
 TECH 178 - Heating and Air Conditioning 2 hours  
 TECH 230 - Automatic Transmission 3 hours  
 TECH 264 - Automotive Repair 3 hours  
 TECH 274 - Estimating and Automotive Business Practices 2 hours  
 TECH 277 - Engine Fuel and Emission Controls 4 hours  
 TECH 291 - Practicum 1-3 hours (2 hours required)  
 TECH 299 - Advanced Engine Performance 3 hours  
 TECH 374 - Diesel Engines 3 hours  
 TECH 375 - Engine Rebuilding and Machining 4 hours  
 TECH 377 - Engine Performance and Computers 3 hours  
 TECH 491 - Advanced Practicum 2 hours

**TOTAL 84 HOURS**

## **CONSTRUCTION MANAGEMENT, B.T.**

Major	85
General Education	42
<b>TOTAL</b>	<b>127</b>

### **Required Courses**

ACCT 221 - Principles of Accounting I 3 hours  
 ACCT 222 - Principles of Accounting II 3 hours  
 BMKT 326 - Principles of Marketing 3 hours  
 BUAD 128 - Personal Finance (IN-9) 3 hours  
 BUAD 217 - Business-Computer Concepts and Applications 3 hours  
 BUAD 339 - Business Law 3 hours  
 BUAD 358 - Ethical, Social, and Legal Environment of Business (W) 3 hours  
 ECON 224 - Principles of Macroeconomics 3 hours  
 FNCE 315 - Principles of Finance 3 hours  
 MGNT 344 - Human Resource Management 3 hours  
 MGNT 350 - Business Operations and Supply Chain Management 3 hours  
 MGNT 372 - Small Business Management 3 hours  
 MGNT 464 - Business Strategies (W) 3 hours  
 TECH 115 - Arc Welding (SERV-2) 2 hours  
 TECH 121 - Construction Safety 2 hours  
 TECH 133 - Plumbing-Residential 1 hour  
 TECH 135 - Finishes-Drywall, Painting, Tile, and Trim Work 1 hour  
 TECH 137 - HVAC and Insulation 3 hours  
 TECH 140 - Structures and Analysis I 2 hours  
 TECH 147 - Methods and Materials of Construction 2 hours



TECH 151 - Introduction to Architectural Drafting and CADD (SERV-2) 3 hours  
 TECH 152 - Structures and Analysis II 2 hours  
 TECH 170 - Carpentry-Residential 3 hours  
 TECH 179 - Principles of Concrete and Masonry Construction 3 hours  
 TECH 180 - Real-Estate Development 2 hours  
 TECH 253 - Residential Construction Codes 3 hours  
 TECH 272 - 3-D Modeling Software 2 hours  
 TECH 332 - Electrical-Residential 3 hours  
 TECH 352 - Construction Estimating-Commercial 3 hours  
 TECH 355 - Construction Estimating-Residential 3 hours  
 TECH 362 - Construction Contract Administration 3 hours  
 TECH 480 - Construction Management Senior Project 3 hours  
**TOTAL 85 HOURS**

## **AUTOMOTIVE SERVICE, A.T.**

The auto service technician program is designed to train the student to repair late model automobiles. The student is trained to provide repair services in transmission, transaxles, drivetrain/axles, heat/air-conditioning, ignitions, fuel systems, and computerized automobiles. Students will be working on projects in a live operating repair shop environment. By the end of the second year the student will have completed over 1,124 hours of instruction and lab experience. They will have developed skills in the following areas:

- Major engine repair
- Drivability diagnosis and computer systems repair
- Alignments and chassis repair
- Manual and automatic transmissions
- Brakes and drivetrain
- Heating and air conditioning
- Electrical repair

Major	43
General Education	21
<b>TOTAL</b>	<b>64</b>

### **Required Courses**

ACCT 221 - Principles of Accounting I 3 hours  
 BUAD 128 - Personal Finance (IN-9) 3 hours  
 TECH 114 - Oxy-Acetylene Welding 1 hour  
 TECH 115 - Arc Welding (SERV-2) 2 hours  
 TECH 166 - Auto Electrical Systems 2 hours  
 TECH 167 - Suspension, Steering and Alignment 3 hours  
 TECH 168 - Manual Drive Train, and Axles 3 hours  
 TECH 169 - Automotive Brakes 3 hours  
 TECH 175 - Engine Rebuilding and Machining 4 hours  
 TECH 178 - Heating and Air Conditioning 2 hours  
 TECH 230 - Automatic Transmission 3 hours  
 TECH 264 - Automotive Repair 3 hours  
 TECH 274 - Estimating and Automotive Business Practices 2 hours  
 TECH 276 - Engine Performance and Computers 3 hours  
 TECH 277 - Engine Fuel and Emission Controls 4 hours  
 TECH 291 - Practicum 1-3 hours (2 hours required)  
**TOTAL 43 HOURS**

## CONSTRUCTION MANAGEMENT, A.T.

This program prepares the students to become professional constructors/managers in the construction industry. This program focuses on the use of State of the Art Technologies in Computer-Aided Drafting (CAD), reading plans, using spreadsheets and databases, and construction equipment and process used on the job. Students are taught to manage the functions and processes of every aspect of the construction industry. The curriculum is a well-rounded study and offers hands-on experience along with guidance of industry professionals.

Major	44
General Education	21
<b>TOTAL</b>	<b>65</b>

### Required Courses

ACCT 221 - Principles of Accounting I	3 hours
BUAD 128 - Personal Finance (IN-9)	3 hours
TECH 115 - Arc Welding (SERV-2)	2 hours
TECH 121 - Construction Safety	2 hours
TECH 133 - Plumbing-Residential	1 hour
TECH 135 - Finishes-Drywall, Painting, Tile, and Trim Work	1 hour
TECH 137 - HVAC and Insulation	3 hours
TECH 140 - Structures and Analysis I	2 hours
TECH 147 - Methods and Materials of Construction	2 hours
TECH 151 - Introduction to Architectural Drafting and CADD (SERV-2)	3 hours
TECH 152 - Structures and Analysis II	2 hours
TECH 170 - Carpentry-Residential	3 hours
TECH 179 - Principles of Concrete and Masonry Construction	3 hours
TECH 253 - Residential Construction Codes	3 hours
TECH 272 - 3-D Modeling Software	2 hours
TECH 332 - Electrical-Residential	3 hours
TECH 355 - Construction Estimating-Residential	3 hours
TECH 362 - Construction Contract Administration	3 hours
<b>TOTAL 44 HOURS</b>	

## AUTOMOTIVE SERVICE TECHNICIAN

A one year certificate will be awarded for completing the technical classes of the associate program listed below plus one religion class.

### Required Courses

TECH 114 - Oxy-Acetylene Welding	1 hour
TECH 115 - Arc Welding (SERV-2)	2 hours
TECH 166 - Auto Electrical Systems	2 hours
TECH 167 - Suspension, Steering and Alignment	3 hours
TECH 168 - Manual Drive Train, and Axles	3 hours
TECH 169 - Automotive Brakes	3 hours
TECH 175 - Engine Rebuilding and Machining	4 hours
TECH 178 - Heating and Air Conditioning	2 hours
TECH 264 - Automotive Repair	3 hours
TECH 276 - Engine Performance and Computers	3 hours
TECH - Automotive Service Elective	3 hours
RELB/RELT - Religion	3 hours
<b>TOTAL 32 HOURS</b>	

Students will be encouraged to purchase a basic set of tools as employers require employees to provide their own air and hand tools.

## **APPLIED TECHNOLOGY MINOR**

Twelve (12) hours lower division Technology classes  
Six [6] hours upper division Technology classes  
**TOTAL 18 HOURS**

## **AUTOMOTIVE SERVICE MINOR**

### **Required Courses**

TECH 115 - Arc Welding (SERV-2) 2 hours  
TECH 166 - Auto Electrical Systems 2 hours  
TECH 264 - Automotive Repair 3 hours  
TECH 375 - Engine Rebuilding and Machining 4 hours  
TECH 377 - Engine Performance and Computers 3 hours  
Automotive Service Elective 4 hours  
**TOTAL 18 HOURS**

## **CONSTRUCTION MINOR**

### **Required Courses**

TECH 121 - Construction Safety 2 hours  
TECH 362 - Construction Contract Administration 3 hours  
TECH 352 - Construction Estimating-Commercial 3 hours  
OR TECH 355 - Construction Estimating-Residential 3 hours

### **Select ten (10) hours from the following:**

TECH 115 - Arc Welding (SERV-2) 2 hours  
TECH 133 - Plumbing-Residential 1 hour  
TECH 135 - Finishes-Drywall, Painting, Tile, and Trim Work 1 hour  
TECH 151 - Introduction to Architectural Drafting and CADD (SERV-2) 3 hours  
TECH 170 - Carpentry-Residential 3 hours  
TECH 180 - Real-Estate Development 2 hours  
TECH 272 - 3-D Modeling Software 2 hours  
TECH 332 - Electrical-Residential 3 hours  
**TOTAL 18 HOURS**

# Biology

**Chair:** Keith Snyder

**Faculty:** Joyce L. Azevedo, Randy Bishop, Aaron Corbit, L. Ann Foster, Noemi M. Gonzalez, Lucinda Hill, David Nelsen, Rick Norskov, Keith Snyder, Ben Thornton, Tim Trott

**Adjunct Faculty:** Richard Brown, Belen Geach

## **Program Coordinators:**

Biology, B.A. Rick Norskov  
Biology, Research Emphasis, B.S. Ben Thornton  
Biology, Biomedical Emphasis, B.S. L. Ann Foster  
Biology, Teacher Certification, B.A. Aaron Corbit  
Medical Laboratory Science, Noemi Gonzalez

The study of Biology constitutes one of the most exciting and important fields of scientific investigation, since it provides a better understanding of ourselves and the living things around us. Even the casual observer of Biology who pauses long enough to take a course may derive a lifetime of pleasure and fulfillment from a hobby such as bird watching, shell collecting, or wild flower photography.

## **Mission Statement**

The Biology Department exists as an integral part of Southern Adventist University with its mission to provide a quality Seventh-day Adventist Christian undergraduate education, emphasizing the balanced development of the spiritual, intellectual, physical, and social dimensions of men and women. Within the framework of a Christian understanding of the origin and workings of biological systems, the department seeks to provide opportunities for its academic and local communities to understand the value, process and limitations of scientific inquiry as well as to develop an awareness and understanding of the biological world and our responsibility to it. Its curricula are designed to provide students with high quality preparation for careers in the biological and biomedical professions.

## **The Biology Major**

A major in Biology is an excellent starting point for numerous careers which are both rewarding and challenging. With a degree in Biology, one may pursue graduate study leading to research in the basic sciences (anatomy, physiology, ecology, microbiology, cytology, etc.), teaching at the college or graduate level, or employment in industry or government. A biology degree is also the degree of choice in preparation for high-school teaching, medicine, dentistry, optometry, careers in wildlife, forestry or zoo management, health education, public health, biostatistics, epidemiology, and environmental health, to name a few.

The Biology Department makes available a number of experiences, both curricular and extracurricular, to enrich its students' academic programs. The department offers courses which include field experiences in Indonesia, Canada, Smoky Mountains, and the Okefenokee National Wildlife Refuge. The Tennessee Aquarium in nearby Chattanooga provides additional learning resources. The department is also affiliated with Walla Walla University's Rosario Beach Biological Field Station (see Student Life and Services).

Extracurricular opportunities include membership in the Beta Beta Beta national biological honor society, a yearly lecture series on natural history and research topics, as well as premedical and pre dental preceptorship programs (see Medicine/Dentistry).

## Assessment

In order to help evaluate the department's teaching effectiveness and the academic achievements of its graduates, all seniors except those obtaining teacher certification are required to take the ETS Major Field Achievement Test in Biology. The exam results are used by the department staff to evaluate class offerings as well as program requirements.

## Rosario Beach Marine Biological Field Station

The Rosario Beach Marine Station is a teaching and research facility operated by Walla Walla University in affiliation with Southern Adventist University and other Adventist colleges. Located seven miles south of Anacortes, Washington, the station occupies 40 acres of beach and timberland. In addition to some of the biology courses listed in this Catalog, classes taught for five quarter credits through WWU are equivalent to 3.3 semester hours. For current class offerings, see [rosario.wallawalla.edu](http://rosario.wallawalla.edu).

## Biology B.S. Core

- BIOL 151 - General Biology (IN-7) 4 hours \*\*
- BIOL 152 - General Biology (IN-7) 4 hours \*\*
- BIOL 282 - Biological Analysis 3 hours
- BIOL 311 - Genetics 4 hours
- BIOL 412 - Cell and Molecular Biology 4 hours
- BIOL 424 - Issues of Natural Science and Religion (W) 3 hours
- Biology Elective Areas 12 hours\*
- CHEM 151 - General Chemistry (IN-7) 4 hours
- CHEM 152 - General Chemistry 4 hours
- BIOL 317 - Ecology (SERV-2) 3 hours  
or BIOL 321 - Field Ecology 3 hours

### TOTAL 45 HOURS

\* One course from Basic Zoology, one course from Clinical Sciences, one course from either Zoology Field or Botany/Ecology, and one course from any area.

\*\* Students may be exempt from taking BIOL 152 if they have an Advanced Placement grade of "5" and a grade of "B" or better in BIOL 151.

## Biology Elective Areas

### Basic Zoology

- BIOL 313 - Developmental Biology 3 hours
- BIOL 387 - Animal Behavior 3 hours
- BIOL 416 - Human Anatomy 3 hours
- BIOL 417 - Animal Histology 3 hours
- BIOL 418 - Animal Physiology 3 hours

### Botany & Ecology

- BIOL 252 - Tropical Biology 3 hours
- BIOL 375 - Plants in Medicine 3 hours
- BIOL 458 - Ecotoxicology 3 hours

### Clinical Sciences

- BIOL 315 - Human Parasitology (W) 3 hours
- BIOL 329 - General Microbiology 3 hours
- BIOL 340 - Immunology 3 hours

### Zoology Field

- BIOL 314 - Ornithology 3 hours
- BIOL 320 - Entomology 3 hours

**BIOLOGY, BIOMEDICAL EMPHASIS, B.S.**

Biology Core	45
Cognates	20
General Education	42
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

**Required Core**

Biology B.S. Core

**TOTAL 45 HOURS****Required Cognates\***

CHEM 311 - Organic Chemistry 4 hours  
 CHEM 312 - Organic Chemistry 4 hours  
 CHEM 361 - Biochemistry I 4 hours  
 PHYS 211 - General Physics I (IN-7) 3 hours  
 PHYS 212 - General Physics II 3 hours  
 PHYS 213 - General Physics Laboratory I (IN-7) 1 hour  
 PHYS 214 - General Physics Laboratory II 1 hour

*\*Minimum grade of C- required***Highly Recommended**

ACCT 221 - Principles of Accounting I 3 hours  
 MGNT 334 - Principles of Management 3 hours  
 PSYC 122 - General Psychology 3 hours  
 BIOL 297 - Research in Biology 1-2 hours  
 OR BIOL 476 - Research in Biology 1-2 hours

**BIOLOGY, RESEARCH EMPHASIS, B.S.**

Biology Core	45
Cognates	19-20
General Education	42
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

**Required Core**

Biology B.S. Core

**TOTAL 45 HOURS****Required Cognates\***

BIOL 305 - Proposal Writing (W) 1 hour  
 BIOL 476 - Research in Biology 1-2 hours  
 BIOL 496 - Senior Thesis (W) 1 hour  
 CHEM 311 - Organic Chemistry 4 hours  
 CHEM 312 - Organic Chemistry 4 hours  
 PHYS 211 - General Physics I (IN-7) 3 hours  
 PHYS 212 - General Physics II 3 hours  
 PHYS 213 - General Physics Laboratory I (IN-7) 1 hour  
 PHYS 214 - General Physics Laboratory II 1 hour

*\*Minimum grade of C- required*

## Biology B.A. Core

BIOL 151 - General Biology (IN-7) 4 hours \*\*  
 BIOL 152 - General Biology (IN-7) 4 hours \*\*  
 BIOL 282 - Biological Analysis 3 hours  
 BIOL 311 - Genetics 4 hours  
 BIOL 412 - Cell and Molecular Biology 4 hours  
 BIOL 424 - Issues of Natural Science and Religion (W) 3 hours  
 Biology Elective Areas 9 hours\*  
 CHEM 151 - General Chemistry (IN-7) 4 hours  
 CHEM 152 - General Chemistry 4 hours  
 BIOL 317 - Ecology (SERV-2) 3 hours  
 OR BIOL 321 - Field Ecology 3 hours

### TOTAL 42 HOURS

\*One course minimum from three of the four Biology Elective Areas.

\*\*Students may be exempt from taking BIOL 152 if they have an Advanced Placement grade of "5" and a grade of "B" or better in BIOL 151 .

## BIOLOGY, B.A.

Biology Core	42
Minor (Chemistry-10; Other-18)	10-18
General Education	42
Elementary Foreign Language*	0-6
Electives to =	124
<b>TOTAL</b>	<b>124</b>

### Required Core

Biology B.A. Core  
**TOTAL 42 HOURS**

\*Elementary foreign language or two years of foreign language in high school 0-6 hours

### Highly Recommended

CHEM 311 - Organic Chemistry 4 hours  
 CHEM 312 - Organic Chemistry 4 hours  
 CHEM 361 - Biochemistry I 4 hours  
 MATH 120 - Precalculus Algebra 3 hours  
 MATH 121 - Precalculus Trigonometry 2 hours  
 PHYS 211 - General Physics I (IN-7) 3 hours  
 PHYS 212 - General Physics II 3 hours  
 PHYS 213 - General Physics Laboratory I (IN-7) 1 hour  
 PHYS 214 - General Physics Laboratory II 1 hour

## BIOLOGY, TEACHING LICENSURE, 6-12, B.A.

Secondary certification in Biology requires a baccalaureate degree consisting of 34 credits of specified biology courses, specified cognates, completion of professional education courses, and SDA certification courses for licensure.

The student must apply for Initial Admission to the Teacher Education Program (usually by the end of the sophomore year) after completing all requirements as outlined under

ADMISSION PROCEDURES in the School of Education and Psychology section of the Catalog. Initial admission is required before the student can enroll in upper division education courses.

The student must also complete an application and all other requirements for Admission to Student Teaching. Prior to the professional semester, the student must take and pass the PRAXIS II licensure exam-both the appropriate section of the Principles of Learning and Teaching, and the particular specialty test(s) for the licensure area(s).

Biology Core	42
Cognates	6
General Education	27
Elementary Foreign Language*	0-6
Professional Education	36
SDA Certification	14
<b>TOTAL</b>	<b>125-131</b>

### Required Core

Biology B.A. Core  
**TOTAL 42 HOURS**

*\*Elementary foreign language or two years of foreign language in high school 0-6 hours*

### Required Cognates

MATH 120 - Precalculus Algebra 3 hours  
 PHYS 137 - Conceptual Physics (IN-7) 3 hours

### Highly Recommended

CHEM 311 - Organic Chemistry 4 hours  
 CHEM 312 - Organic Chemistry 4 hours

### Professional Education Courses

EDUC 138 - Introduction to and Foundations of Secondary Education 3 hours  
 EDUC 201 - Teacher Education Candidacy 0 hours  
 EDUC 317 - Teaching with Technology 2 hours  
 EDUC 338 - Foundations of Inclusive Education (SERV-2) 3 hours  
 EDUC 341 - General Methods and Assessment 3 hours  
 EDUC 342 - Curriculum and Content Methods - Secondary 2 hours  
 EDUC 343 - Learning Theories and Classroom Management 3 hours  
 EDUC 419 - Philosophy and Leadership in Christian Education (W) (SERV-2) 3 hours  
 EDUC 434 - Reading and Writing in the Content Areas 2 hours  
 EDUC 464 - Teaching Seminar 2 hours  
 EDUC 472 - Enhanced Student Teaching - Secondary (SERV-2) 10 hours  
 PSYC 128 - Developmental Psychology (IN-8) 3 hours

**TOTAL 36 HOURS**

### SDA Certification

HLED 173 - Health for Life 2 hours  
 RELB/RELT - Biblical Studies/Theological Studies 3 hours  
 REL - Upper division religion electives 3 hours  
 RELT 138 - Adventist Heritage (R-2) 3 hours  
 RELT 255 - Christian Beliefs (R-2) 3 hours

**TOTAL 14 HOURS**



**BIOLOGY, A.S.**

Major	38
General Education	18
Electives to=64*	
<b>TOTAL</b>	<b>64</b>

**Required Courses**

BIOL 151 - General Biology (IN-7)	4 hours
BIOL 152 - General Biology (IN-7)	4 hours
BIOL 282 - Biological Analysis	3 hours
BIOL 311 - Genetics	4 hours
BIOL Elective	3 hours
CHEM 151 - General Chemistry (IN-7)	4 hours
CHEM 152 - General Chemistry	4 hours
COMM 135 - Communication and Public Speaking (IN-3)	3 hours
ENGL 102 - Critical Thinking in Academic Reading and Writing II (IN-2)	3 hours
MATH 120 - Precalculus Algebra	3 hours
MATH 215 - Statistics (IN-4)	3 hours
<b>TOTAL 38 HOURS</b>	

**\*Highly suggested courses:**

ACCT 221 Principles of Accounting I
BUAD 126 Introduction to Business (IN-9)

**BIOLOGY MINOR****Required Courses**

BIOL 151 - General Biology (IN-7)	4 hours
BIOL 152 - General Biology (IN-7)	4 hours
Biology Electives	10 hours*
<b>TOTAL 18 HOURS</b>	

*\*A minimum of six hours must be upper division.*

*BIOL 101, BIOL 102, BIOL 103, and BIOL 225 cannot be applied to a biology minor.*

# School of Business

Accredited through the International Accreditation Council for Business Education (IACBE)

**Dean:** Stephanie Sheehan

**Faculty:** Michelle Doucoumes, Sunia Fukofuka, Lisa Gano, Mark Guild, Julie Hyde, Mark Hyder, Lisa Kuhlman, Braam Oberholster, Stephanie Sheehan, Dale Walters, Leon Weeks, John Youngberg

**Adjunct Faculty:** Elisa Adeogun, Tina Camba, Scott Edens, Tish Erdmann, Doug Frood, Ellen Hostetler, John Nunes, Mark Waldrop, Jon Wentworth, Robert Young

## **Program Coordinators:**

Accounting, Julie Hyde

Auto Service Management, Dale Walters

Business Administration, Stephanie Sheehan

Business Administration and Public Relations, Stephanie Sheehan and Pamela Maize Harris

Computer Information Systems, Leon Weeks and Rick Halterman

Construction Management, John Youngberg

Finance, Braam Oberholster

Health Services and Senior Living Administration, Lisa Kuhlman

Management, Leon Weeks

Marketing, Mark Guild

**Graduate Studies Coordinator:** Teshia N. Price

**Institute for Ethical Leadership:** Michelle Doucoumes

**Enactus:** Michelle Doucoumes

**Business Advisory Board:** Ken DeFoor, Brittany East, Franklin Farrow, Walt Fennel, Josef Ghosn, Steve Johnson, Nathan McKee, Harry Miller, Brian Paradis, John Satelmajer, Mark Waldrop, Heather Yamada

**Advisory Councils:** Health Services and Senior Living Administration: Scott Edens, Tish Erdmann, Jo Edwards, Kelley Falcon, Michelle Givens, Steve Martin, Shari McQuistan, Mark Waldrop, Courtney Washington, Robert Young

## **Mission Statement**

The mission of the School of Business is the pursuit of excellence in Christ-centered business education.

## **Objectives**

The courses and programs offered by the School of Business are designed to prepare students for business-related careers in the for-profit and not-for-profit sectors and/or for further graduate education.

The objectives of the school are:

1. Students will be able to describe the principle concepts, theories, and practices in and the interrelationship between the functional areas of business within the context of the free enterprise system.
2. Students will be able to describe the global environment of business.
3. Students will be able to evaluate legal and ethical principles of business within a context of Christian Biblical Foundations and apply them to organizational decision-making.

4. Students will be able to apply decision support tools to business decision making.
5. Students will be able to construct and present effective oral and written forms of professional communication.
6. Students will be able to apply knowledge of business concepts and functions in a strategic and integrated manner.

## Accreditation

Southern Adventist University has received specialized accreditation for its business and business-related programs through the International Accreditation Council for Business Education (IACBE), Olathe, Kansas. The following degree programs are accredited by the IACBE:

- Bachelor of Business Administration degree
- Bachelor of Science degrees in Business Administration, Corporate Community Wellness Management, Health Services and Senior Living Administration, and Sports Studies
- Master of Business Administration

## Admission Requirements for School of Business

Students wishing to major in business must apply to the School of Business by taking BUAD 201 upon completion of ACCT 222, ENGL 102, and MATH 120 (B.B.A. degrees) or MATH 117 (B.S. degrees) (see waiver notes) with a minimum cumulative GPA in these three courses of 2.25 and no less than a C (2.00) in each course.

## Residency Requirements for School of Business Degrees

- B.B.A. Degrees - a minimum of 30 hours (21 hours core and 9 hours emphasis) of required business courses (not including required cognates) to be taken in residence.
- B.S. Business Administration Degree and Combined Degrees - 24 hours of required business courses (not including required cognates) to be taken in residence.
- A.S. Degrees - 15 hours of required business courses to be taken in residence.
- Minors - 9 hours of required business courses to be taken in residence.

## B.B.A./B.S. Core: 7 Hours

BUAD 358 - Ethical, Social, and Legal Environment of Business (W) 3 hours

BUAD 488 - Seminar in Business Administration 1 hour

MGNT 464 - Business Strategies (W) 3 hours (Must be taken in senior year)

## Accounting BBA-Residency Requirements: 9 hours in major

## Computer Information Systems BBA-Residency Requirements: 9 hours in major

## Finance BBA-Residency Requirements: 9 hours in major

## Health Services and Senior Living Administration BBA-Residency Requirements: 15 hours

HSSL 431 - General Administration of the Health Services and Senior Living Facility I 3 hours

HSSL 432 - General Administration of the Health Services and Senior Living Facility II 3 hours

HSSL 434 - Financial Management of the Health Services and Senior Living Facility 3 hours

HSSL 435 - Human Resource Management of the Health Services and Senior Living Facility 3 hours

HSSL 437 - Marketing of the Health Services and Senior Living Facility 3 hours

## Management BBA Emphases-Residency Requirements

### Entrepreneurship: 9 hours

MGNT 371 - Principles of Entrepreneurship 3 hours  
 MGNT 372 - Small Business Management 3 hours  
 Additional hours in concentration 3 hours

### International Business: 9 hours

MGNT 368 - Multicultural Management 3 hours  
 Additional hours in concentration 6 hours

### Management: 9 hours

MGNT 450 - Leadership in Organizations 3 hours  
 Additional hours in concentration 6 hours

### Marketing BBA-Residency Requirements: 9 hours

BMKT 424 - Marketing Strategy 3 hours  
 Additional hours in concentration 6 hours

## Degree Requirements

A minimum cumulative GPA of 2.25 in the major.

Courses with grades lower than "C" (2.00) in the major studies and cognates must be repeated.

Transfer credits at the same level (lower division/upper division) as Southern Catalog listings will be accepted from an accredited college/university. (Exceptions can be made on a case by case basis.)

The following residency requirements and courses **MUST BE TAKEN** in residence at Southern Adventist University in various School of Business majors:

## Assessment

To help the graduates in Business Administration to evaluate their academic progress and to aid the School in evaluating teaching effectiveness, students who major in business-related fields will be required to:

1. Participate in the university-wide testing program in general education.
2. Take the area test in business prepared by the Educational Testing Service (ETS) during the last semester of their academic program. This test may be integrated into an upper division course and may constitute part of the grade for that course.
3. Complete teacher evaluations for courses taken each semester.
4. Complete the Senior Exit Survey interview with the Dean prior to graduation.

## Programs

The following business degrees are offered:

1. Bachelor of Business Administration degree (B.B.A.) with majors in Accounting, Computer Information Systems, Finance, Health Services and Senior Living Administration, Management, and Marketing.  
 Management major emphases include:
  - Entrepreneurship
  - International Business
  - Management
2. Bachelor of Science degree (B.S.) with majors in Business Administration and Business-Public Relations.
3. Associate of Science degree (A.S.) in Accounting and Business Administration.

4. A BBA/MBA concentration for the Bachelor of Business Administration degree and the Master of Business Administration degree in a five year period.

## BBA Core

### Required Core

ACCT 221 - Principles of Accounting I 3 hours  
 ACCT 222 - Principles of Accounting II 3 hours  
 BMKT 326 - Principles of Marketing 3 hours  
 BUAD 201 - Business Major Qualification 0 hours  
 BUAD 217 - Business-Computer Concepts and Applications 3 hours  
 BUAD 305 - Introduction to Business Analytics 3 hours  
 BUAD 312 - Professional Communication and Leadership 3 hours  
 BUAD 339 - Business Law 3 hours  
 BUAD 358 - Ethical, Social, and Legal Environment of Business (W) 3 hours  
 BUAD 412 - Preparing to Meet the Firms 1 hour \*\*  
 BUAD 488 - Seminar in Business Administration 1 hour  
 ECON 224 - Principles of Macroeconomics 3 hours  
 ECON 225 - Principles of Microeconomics 3 hours  
 FNCE 315 - Principles of Finance 3 hours  
 MGNT 334 - Principles of Management 3 hours  
 MGNT 350 - Business Operations and Supply Chain Management 3 hours  
 MGNT 364 - International Business and Economics 3 hours  
 MGNT 464 - Business Strategies (W) 3 hours

### Select one of the following courses for 0-3 hours:\*

ACCT 261, ACCT 461, ACCT 492; BMKT 493; BUAD 492; FNCE 492; HSSL 492; MGNT 492.

\*Complete a minimum of 100 hours of supervised work experience. Participation in one tax season of VITA is deemed to meet the internship requirement.

\*\* Recommend to take in Junior year

### TOTAL 47 HOURS

### Required Cognate

MATH 120 - Precalculus Algebra 3 hours

## ACCOUNTING, B.B.A.

BBA Core	47
BBA Cognate	3
Major	30
General Education	45
<b>TOTAL</b>	<b>125</b>

### Required Courses

B.B.A. Core 47 hours  
 ACCT 311 - Intermediate Accounting I 4 hours  
 ACCT 312 - Intermediate Accounting II 4 hours  
 ACCT 322 - Cost Accounting 3 hours  
 ACCT 443 - Accounting Systems 3 hours  
 ACCT 452 - Auditing 3 hours  
 ACCT 456 - Federal Taxation 3 hours  
 ACCT 494 - Accounting Capstone 1 hour  
 UD ACCT Electives 3 hours (excluding ACCT 491 and ACCT 492)

UD Electives ACCT/BMKT/BUAD/ECON/FNCE/MGNT (Excluding ACCT 261, ACCT 461, ACCT 491, ACCT 492, BMKT 491, BMKT 493, BUAD 491, BUAD 492, FNCE 491, FNCE 492, MGNT 491, MGNT 492) 6 hours

**TOTAL 77 HOURS**

## **COMPUTER INFORMATION SYSTEMS, B.B.A.**

BBA Core	47
BBA Cognate	3
Major	23
Cognate	1-3
General Education	45
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

### **Required Courses**

B.B.A. Core 47 hours  
 CPIS 443 - Software Evaluation 3 hours  
 CPTE 212 - Web Programming 3 hours  
 CPTR 108 - #EssenceOfComputing 3 hours  
 CPTR 124 - Fundamentals of Programming 4 hours  
 CPTR 215 - Fundamentals of Software Design 4 hours  
 CPTR 302 - Software Development Tools 1 hour  
 CPTR 319 - Database Management Systems 3 hours  
 CPTR 488 - Senior Project 2 hours  
**TOTAL 70 HOURS**

### **Required Cognate**

CPTE 110 - Introduction to Web Development 1 hour  
 OR COMM 242 - Introduction to Web Design 3 hours

## **FINANCE, B.B.A.**

BBA Core	47
BBA Cognate	3
Major	26
General Education	45
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

### **Required Courses**

B.B.A. Core 47 hours  
 ACCT 311 - Intermediate Accounting I 4 hours  
 ACCT 312 - Intermediate Accounting II 4 hours  
 FNCE 448 - Corporate Finance 3 hours  
 FNCE 452 - Financial Markets 3 hours  
 FNCE 455 - Fundamentals of Investments 3 hours  
 UD FNCE Electives (excluding FNCE 491 and FNCE 492) 9 hours  
**TOTAL 73 HOURS**

## **HEALTH SERVICES AND SENIOR LIVING ADMINISTRATION, B.B.A.**

BBA Core	47
BBA Cognate	3
Major	21-27
General Education	45

Electives to = 124

**TOTAL 124****Required Courses**

B.B.A. Core 47 hours

ALHT 111 - Introduction to the Health Professions 1 hour

HLED 210 - Medical Terminology 1 hour

HSSL 390 - Internship in Home Community Based Organizations 1 hour

HSSL 431 - General Administration of the Health Services and Senior Living Facility I 3 hours

HSSL 432 - General Administration of the Health Services and Senior Living Facility II 3 hours

HSSL 434 - Financial Management of the Health Services and Senior Living Facility 3 hours

HSSL 435 - Human Resource Management of the Health Services and Senior Living Facility 3 hours

HSSL 437 - Marketing of the Health Services and Senior Living Facility 3 hours

HSSL 490 - Internship in Assisted Living/Residential Care Community 1 hour

HSSL 492 - Internship in Skilled Nursing Administration (SERV-2) 2-8 hours

**TOTAL 68-74 HOURS****MANAGEMENT, B.B.A.**

BBA Core 47

BBA Cognate 3

Concentrations 18-21

Cognates 16-18

General Education 42-45

Total to = 124

**TOTAL 126-134****ENTREPRENEURSHIP EMPHASIS****Required Courses**

B.B.A. Core 47 hours

MGNT 344 - Human Resource Management 3 hours

MGNT 368 - Multicultural Management 3 hours

MGNT 371 - Principles of Entrepreneurship 3 hours

MGNT 372 - Small Business Management 3 hours

MGNT 420 - Organizational Behavior 3 hours

MGNT 450 - Leadership in Organizations 3 hours

UD ACCT/BMKT/BUAD/ECON/FNCE/MGNT Electives 3 hours (Excluding ACCT 261, ACCT

461, ACCT 491, ACCT 492, BMKT 491, BMKT 493, BUAD 491, BUAD 492, FNCE 491, FNCE 492, MGNT 491, MGNT 492)

**TOTAL 68 HOURS****INTERNATIONAL BUSINESS EMPHASIS****Required Courses**

B.B.A. Core 47 hours

BMKT 375 - International Marketing 3 hours

MGNT 344 - Human Resource Management 3 hours

MGNT 368 - Multicultural Management 3 hours

MGNT 450 - Leadership in Organizations 3 hours

UD ACCT/BMKT/BUAD/ECON/FNCE/MGNT Electives 6 hours (Excluding ACCT 261, ACCT

461, ACCT 491, ACCT 492, BMKT 491, BMKT 493, BUAD 491, BUAD 492, FNCE 491, FNCE 492, MGNT 491, MGNT 492)

**TOTAL 65 HOURS**

**Required Cognates**

COMM 330 - Intercultural Communication (W) 3 hours  
 GEOG 204 - World Geography (SERV-2) 3 hours  
 RELT 458 - World Religions (W) (R-4) 3 hours  
 SOCI 150 - Cultural Anthropology 3 hours  
 Intermediate Foreign Lang 4-6 hours

**Required Experience**

Students in the International Business Concentration will be required to spend at least one semester abroad in an approved program of study as part of their experience.

**Recommended Courses**

HIST 174 - World Societies to 1500 (IN-6) 3 hours  
 HIST 175 - World Societies since 1500 (IN-6) 3 hours  
 PSYC 231 - Multicultural Relations 3 hours

**MANAGEMENT EMPHASIS****Required Courses**

B.B.A. Core 47 hours  
 MGNT 344 - Human Resource Management 3 hours  
 MGNT 368 - Multicultural Management 3 hours  
 MGNT 420 - Organizational Behavior 3 hours  
 MGNT 450 - Leadership in Organizations 3 hours  
 UD ACCT/BMKT/BUAD/ECON/FNCE/MGNT Electives 9 hours (Excluding ACCT 261, ACCT 461, ACCT 491, ACCT 492, BMKT 491, BMKT 493, BUAD 491, BUAD 492, FNCE 491, FNCE 492, MGNT 491, MGNT 492)

**TOTAL 68 HOURS****TOTAL 65-71 HOURS****MARKETING, B.B.A.**

BBA Core	47
BBA Cognate	3
Major	24
General Education	45
Electives to =124	

**TOTAL 124****Required Courses**

B.B.A. Core 47 hours  
 BMKT 327 - Consumer Behavior 3 hours  
 BMKT 345 - Digital Marketing 3 hours  
 BMKT 410 - Service Marketing 3 hours  
 BMKT 423 - Principles of Integrated Marketing Communication (SERV-2) 3 hours  
 BMKT 424 - Marketing Strategy 3 hours  
 BMKT 497 - Marketing Research 3 hours  
 ARTG 115 - Introduction to Graphic Design 3 hours  
 OR JOUR 208 - Publication Tools and Techniques 3 hours

**Select three (3) hours from the following:**

BMKT 328 - Sales Management 3 hours  
 BMKT 375 - International Marketing 3 hours  
 PREL 246 - Fundamentals of Advertising 3 hours  
 PREL 455 - Public Relations Strategy and Management 3 hours

**TOTAL 71 HOURS**



**BUSINESS ADMINISTRATION, B.S.**

Major	47
Cognate	0-3
General Education	45
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

**Required Courses**

ACCT 221 - Principles of Accounting I 3 hours  
 ACCT 222 - Principles of Accounting II 3 hours  
 BMKT 326 - Principles of Marketing 3 hours  
 BUAD 201 - Business Major Qualification 0 hours  
 BUAD 217 - Business-Computer Concepts and Applications 3 hours  
 BUAD 305 - Introduction to Business Analytics 3 hours  
 BUAD 312 - Professional Communication and Leadership 3 hours  
 BUAD 339 - Business Law 3 hours  
 BUAD 358 - Ethical, Social, and Legal Environment of Business (W) 3 hours  
 BUAD 412 - Preparing to Meet the Firms 1 hour  
 BUAD 488 - Seminar in Business Administration 1 hour  
 ECON 224 - Principles of Macroeconomics 3 hours  
 ECON 225 - Principles of Microeconomics 3 hours  
 FNCE 315 - Principles of Finance 3 hours  
 MGNT 334 - Principles of Management 3 hours  
 MGNT 350 - Business Operations and Supply Chain Management 3 hours  
 MGNT 364 - International Business and Economics 3 hours  
 MGNT 464 - Business Strategies (W) 3 hours

**Select one of the following courses for 0-3 hours:\***

ACCT 261, ACCT 461, ACCT 492; BMKT 493; BUAD 492; FNCE 492; MGNT 492.

*\*Complete a minimum of 100 hours of supervised work experience. Participation in one tax season of VITA is deemed to meet the internship requirement.*

**TOTAL 47 HOURS****Required Cognates**

MATH 117 - College Algebra 3 hours (only if MATH ACT below 18)

**BUSINESS-PUBLIC RELATIONS, B.S.**

Major	69-72
General Education	45
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

**Business Administration****Required Courses**

ACCT 221 - Principles of Accounting I 3 hours  
 ACCT 222 - Principles of Accounting II 3 hours  
 BUAD 201 - Business Major Qualification 0 hours  
 BUAD 217 - Business-Computer Concepts and Applications 3 hours  
 BUAD 305 - Introduction to Business Analytics 3 hours  
 BUAD 312 - Professional Communication and Leadership 3 hours  
 BUAD 339 - Business Law 3 hours  
 BUAD 488 - Seminar in Business Administration 1 hour  
 BMKT 326 - Principles of Marketing 3 hours  
 ECON 224 - Principles of Macroeconomics 3 hours

FNCE 315 - Principles of Finance 3 hours  
 MATH 117 - College Algebra 3 hours (only if MATH ACT below 18)  
 MGNT 334 - Principles of Management 3 hours  
 MGNT 464 - Business Strategies (W) 3 hours  
 BUAD 412 - Preparing to Meet the Firms 1 hour  
 OR COMM 415 - Portfolio and Career 1 hour  
**TOTAL 35-38 HOURS**

## Public Relations

### Required Courses

BRDC 127 - Introduction to Digital Storytelling 3 hours  
 COMM 397 - Communication Research (W) 3 hours  
 JOUR 105 - Writing for the Media 3 hours  
 PREL 235 - Public Relations Principles and Theory 3 hours  
 PREL 246 - Fundamentals of Advertising 3 hours  
 PREL 310 - Social Media Strategies 3 hours  
 PREL 455 - Public Relations Strategy and Management 3 hours  
 PREL 482 - The Public Relations Campaign (SERV-2) 3 hours  
 PREL 485 - Public Relations Techniques 3 hours  
 PREL 493 - Public Relations Internship 1-3 hours (1 hour required)  
 ARTG 115 - Introduction to Graphic Design 3 hours  
 OR JOUR 208 - Publication Tools and Techniques 3 hours

### Select three (3) hours from the following:

BUAD 358 - Ethical, Social, and Legal Environment of Business (W) 3 hours  
 COMM 427 - Mass Media Law and Ethics 3 hours

**TOTAL 34 HOURS**

**TOTAL 69-72 HOURS**

### Recommended Course

PREL 368 - Fundraising for Nonprofits (SERV-2) 3 hours

## ACCOUNTING, A.S.

Major	29
General Education	18
Electives to = 64	
<b>TOTAL</b>	<b>64</b>

### Required Courses

ACCT 221 - Principles of Accounting I 3 hours  
 ACCT 222 - Principles of Accounting II 3 hours  
 ACCT 311 - Intermediate Accounting I 4 hours  
 ACCT 312 - Intermediate Accounting II 4 hours  
 BUAD 128 - Personal Finance (IN-9) 3 hours  
 BUAD 201 - Business Major Qualification 0 hours  
 BUAD 217 - Business-Computer Concepts and Applications 3 hours  
 ECON 224 - Principles of Macroeconomics 3 hours  
 UD ACCT Electives 6 hours (excluding ACCT 491 and ACCT 492)  
**TOTAL 29 HOURS**

**BUSINESS ADMINISTRATION, A.S.**

Major	27
General Education	18
Electives to = 64	
<b>TOTAL</b>	<b>64</b>

**Required Courses**

ACCT 221 - Principles of Accounting I 3 hours  
 ACCT 222 - Principles of Accounting II 3 hours  
 BMKT 326 - Principles of Marketing 3 hours  
 BUAD 126 - Introduction to Business (IN-9) 3 hours  
 BUAD 128 - Personal Finance (IN-9) 3 hours  
 BUAD 201 - Business Major Qualification 0 hours  
 BUAD 217 - Business-Computer Concepts and Applications 3 hours  
 ECON 224 - Principles of Macroeconomics 3 hours  
 ECON 225 - Principles of Microeconomics 3 hours  
 MGNT 334 - Principles of Management 3 hours  
**TOTAL 27 HOURS**

**ACCOUNTING MINOR****Required Courses**

ACCT 221 - Principles of Accounting I 3 hours  
 ACCT 222 - Principles of Accounting II 3 hours  
 ACCT 311 - Intermediate Accounting I 4 hours  
 ACCT 312 - Intermediate Accounting II 4 hours  
 ACCT UD Electives excluding ACCT 491 and ACCT 492 6 hours  
**TOTAL 20 HOURS**

**BUSINESS ADMINISTRATION MINOR****Required Courses**

ACCT 221 - Principles of Accounting I 3 hours  
 BMKT 326 - Principles of Marketing 3 hours  
 MGNT 334 - Principles of Management 3 hours  
 ECON 213 - Survey of Economics (IN-9) 3 hours  
 MGNT 420 - Organizational Behavior 3 hours  
 ACCT/BMKT/BUAD/ECON/FNCE/MGNT UD Electives excluding ACCT 261, ACCT 461, ACCT 491, ACCT 492; BMKT 491, BMKT 493; BUAD 491, BUAD 492; FNCE 491, FNCE 492; MGNT 491, MGNT 492 3 hours  
**TOTAL 18 HOURS**

**ENTREPRENEURSHIP MINOR****Required Courses**

ACCT 221 - Principles of Accounting I 3 hours  
 ECON 213 - Survey of Economics (IN-9) 3 hours \*  
 MGNT 371 - Principles of Entrepreneurship 3 hours  
 MGNT 372 - Small Business Management 3 hours  
 BMKT/MGNT UD Electives excluding BMKT 491, BMKT 493; MGNT 491, MGNT 492 6 hours  
**TOTAL 18 HOURS**

\* Does not apply for business majors

## FINANCE MINOR

### Required Courses

FNCE 315 - Principles of Finance 3 hours  
 FNCE 448 - Corporate Finance 3 hours  
 FNCE 452 - Financial Markets 3 hours  
 FNCE 455 - Fundamentals of Investments 3 hours  
 FNCE UD Electives excluding FNCE 491, FNCE 492 6 hours

**TOTAL 18 HOURS**

## HUMAN RESOURCES MINOR

### Required Courses

BUAD 358 - Ethical, Social, and Legal Environment of Business (W) 3 hours  
 MGNT 344 - Human Resource Management 3 hours  
 MGNT 368 - Multicultural Management 3 hours  
 MGNT 420 - Organizational Behavior 3 hours  
 MGNT 460 - Compensation and Benefits 3 hours  
 PSYC 253 - Industrial/Organizational Psychology 3 hours

**TOTAL 18 HOURS**

## MANAGEMENT MINOR

### Required Courses

ACCT 221 - Principles of Accounting I 3 hours  
 MGNT 334 - Principles of Management 3 hours  
 MGNT 344 - Human Resource Management 3 hours  
 ACCT/BMKT/BUAD/ECON/FNCE/MGNT UD Electives excluding ACCT 261, ACCT 461, ACCT 491, ACCT 492; BMKT 491, BMKT 493; BUAD 491, BUAD 492; FNCE 491, FNCE 492;  
 MGNT 491, MGNT 492 6 hours  
 MGNT 371 - Principles of Entrepreneurship 3 hours  
 OR MGNT 372 - Small Business Management 3 hours

**TOTAL 18 HOURS**

## MARKETING MINOR

### Required Courses

ACCT 221 - Principles of Accounting I 3 hours  
 BMKT 326 - Principles of Marketing 3 hours  
 BMKT 327 - Consumer Behavior 3 hours  
 BMKT 345 - Digital Marketing 3 hours  
 BMKT 424 - Marketing Strategy 3 hours  
 BUAD 312 - Professional Communication and Leadership 3 hours

**TOTAL 18 HOURS**

# Chemistry

**Chair:** Brent Hamstra

**Faculty:** Matthew P. Duffy, Brent Hamstra, Mitch Menzmer, Nuvia Saucedo, Bruce Schilling, Rhonda Scott, Tamie Suzuki

**Program Coordinator:** Brent Hamstra

A major in chemistry can prepare you for a rewarding and challenging career in traditional areas such as chemical engineering, environmental chemistry, quality assurance, basic or applied chemical research, and teaching at the high school or post-secondary level. A major in chemistry is also excellent preparation for a career in biomedical research, medicine or dentistry, pharmacy or pharmacology, patent law, and forensic science. A B.S. in chemistry or biochemistry is generally considered to be the preferred preparation for a career in forensic science. The B.S. degree in Chemistry is recommended in preparation for graduate study leading to research oriented careers in chemistry, professional applications of chemistry, or post-secondary education. The B.S. degree in Chemistry, Biochemistry emphasis, is recommended for students preparing for careers in medicine or dentistry as well as graduate study, research or teaching in biochemistry, molecular biology, or biotechnology. The B.A. degree is the preferred degree for high-school teaching, pre-paramedical fields, and some business applications. The A.S. degree is designed for students planning to complete a B.S. degree in chemistry or related fields; students should consult with an adviser to evaluate whether this degree enhances their academic and professional preparation.

## Mission Statement

Within a Christian environment of learning, the Chemistry Department seeks to provide undergraduate students with the knowledge and skills necessary for distinguished professional performance in chemistry or other fields that require a strong background in chemistry.

## Assessment

To aid the chemistry department in evaluating teaching effectiveness, nationally standardized tests prepared by the American Chemical Society are administered at the end of each course for which an appropriate test is available. Students majoring in chemistry are expected to achieve a minimum score of 40th percentile on these exams and must achieve a grade of C- or above in their chemistry courses.

## CHEMISTRY, B.S.

Major	42
Cognates	21
General Education	42
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

## Required Courses

- CHEM 151 - General Chemistry (IN-7) 4 hours
- CHEM 152 - General Chemistry 4 hours
- CHEM 311 - Organic Chemistry 4 hours
- CHEM 312 - Organic Chemistry 4 hours
- CHEM 315 - Quantitative Analysis 4 hours
- CHEM 321 - Instrumental Analysis 4 hours
- CHEM 361 - Biochemistry I 4 hours
- CHEM 385 - Chemistry Seminar 1 hour

CHEM 411 - Physical Chemistry I (W) 4 hours  
 CHEM 415 - Physical Chemistry II 3 hours  
 CHEM 435 - Inorganic Chemistry 4 hours  
 CHEM 496 - Introduction to Research (W) 1 hour  
 CHEM 498 - Research in Chemistry 1-2 hours (1 hour required)  
**TOTAL 42 HOURS**

*Note: Some upper division courses are offered in alternate years; the student should plan accordingly.*

### Required Cognates

MATH 191 - Calculus I 4 hours  
 MATH 192 - Calculus II 4 hours  
 MATH 315 - Differential Equations 3 hours  
 PHYS 221 - University Physics I (IN-7) 4 hours  
 PHYS 222 - University Physics II 4 hours  
 PHYS 223 - University Physics Laboratory I (IN-7) 1 hour  
 PHYS 224 - University Physics Laboratory II 1 hour

## CHEMISTRY, BIOCHEMISTRY EMPHASIS, B.S.

Major	42
Cognates	26-30
General Education	39-42
Electives to =	124
<b>TOTAL</b>	<b>124</b>

### Required Courses

BIOL 311 - Genetics 4 hours  
 CHEM 151 - General Chemistry (IN-7) 4 hours  
 CHEM 152 - General Chemistry 4 hours  
 CHEM 311 - Organic Chemistry 4 hours  
 CHEM 312 - Organic Chemistry 4 hours  
 CHEM 315 - Quantitative Analysis 4 hours  
 CHEM 361 - Biochemistry I 4 hours  
 CHEM 362 - Biochemistry II 3 hours  
 CHEM 363 - Biochemistry Laboratory 1 hour  
 CHEM 385 - Chemistry Seminar 1 hour  
 CHEM 411 - Physical Chemistry I (W) 4 hours  
 CHEM 496 - Introduction to Research (W) 1 hour  
 CHEM 498 - Research in Chemistry 1-2 hours (1 hour required)  
 Chemistry Electives 3 hours  
**TOTAL 42 HOURS**

*Note: To meet the recommendations of the American Society for Biochemistry and Molecular Biology (ASBMB) and the American Chemical Society (ACS) the second math course must be MATH 192. Some upper division courses are offered in alternate years; the student should plan accordingly.*

### Required Cognates

BIOL 151 - General Biology (IN-7) 4 hours  
 BIOL 152 - General Biology (IN-7) 4 hours  
 MATH 191 - Calculus I 4 hours  
 MATH 192 - Calculus II 4 hours  
 OR MATH 215 - Statistics (IN-4) 3 hours  
 PHYS 211 - General Physics I (IN-7) 3 hours  
 PHYS 212 - General Physics II 3 hours  
 PHYS 213 - General Physics Laboratory I (IN-7) 1 hour  
 PHYS 214 - General Physics Laboratory II 1 hour  
 OR PHYS 221 - University Physics I (IN-7) 4 hours

PHYS 222 - University Physics II 4 hours  
 PHYS 223 - University Physics Laboratory I (IN-7) 1 hour  
 PHYS 224 - University Physics Laboratory II 1 hour

**Select one (1) course from the following:**

BIOL 340 - Immunology 3 hours  
 BIOL 412 - Cell and Molecular Biology 4 hours  
 BIOL 418 - Animal Physiology 3 hours

**CHEMISTRY, B.A.**

Major	30
Cognates	15-18
Minor	18
General Education	39-42
Elementary Foreign Language*	0-6
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

**Required Courses**

CHEM 151 - General Chemistry (IN-7) 4 hours  
 CHEM 152 - General Chemistry 4 hours  
 CHEM 311 - Organic Chemistry 4 hours  
 CHEM 312 - Organic Chemistry 4 hours  
 CHEM 315 - Quantitative Analysis 4 hours  
 CHEM 385 - Chemistry Seminar 1 hour  
 CHEM 411 - Physical Chemistry I (W) 4 hours  
 CHEM 496 - Introduction to Research (W) 1 hour  
 CHEM 498 - Research in Chemistry 1-2 hours (1 hour required)  
 Chemistry Electives 3 hours

**TOTAL 30 HOURS**

*Note: Some upper division courses are offered in alternate years; the student should plan accordingly.*

*\*Elementary foreign language or two years of foreign language in high school 0-6 hours*

**Required Cognates**

MATH 191 - Calculus I 4 hours  
 MATH 192 - Calculus II 4 hours  
 OR MATH 215 - Statistics (IN-4) 3 hours  
 PHYS 211 - General Physics I (IN-7) 3 hours  
 PHYS 212 - General Physics II 3 hours  
 PHYS 213 - General Physics Laboratory I (IN-7) 1 hour  
 PHYS 214 - General Physics Laboratory II 1 hour  
 OR PHYS 221 - University Physics I (IN-7) 4 hours  
 PHYS 222 - University Physics II 4 hours  
 PHYS 223 - University Physics Laboratory I (IN-7) 1 hour  
 PHYS 224 - University Physics Laboratory II 1 hour

**CHEMISTRY, TEACHING LICENSURE, 6-12, B.A.**

Major	32
Cognates	22-25
General Education	24-27
Elementary Foreign Language*	0-6
Professional Education	36
SDA Certification (3 hours in cognates)	14
<b>TOTAL</b>	<b>128-140</b>

**Required Courses**

- CHEM 151 - General Chemistry (IN-7) 4 hours
- CHEM 152 - General Chemistry 4 hours
- CHEM 311 - Organic Chemistry 4 hours
- CHEM 312 - Organic Chemistry 4 hours
- CHEM 315 - Quantitative Analysis 4 hours
- CHEM 361 - Biochemistry I 4 hours
- CHEM 363 - Biochemistry Laboratory 1 hour
- CHEM 385 - Chemistry Seminar 1 hour
- CHEM 411 - Physical Chemistry I (W) 4 hours
- CHEM 496 - Introduction to Research (W) 1 hour
- CHEM 498 - Research in Chemistry 1-2 hours (1 hour required)

**TOTAL 32 HOURS**

*\*Elementary foreign language or two years of foreign language in high school 0-6 hours*

It is strongly recommended that students work towards certification in a second area of study such as mathematics or another science area. See the School of Education and Psychology for listing of professional requirements (37 hours) and general education requirements (32-36 hours).

The student must apply for Initial Admission to the Teacher Education Program (usually by the end of the sophomore year) after completing all requirements as outlined under ADMISSION PROCEDURES in the School of Education and Psychology section of the catalog. Initial admission is required before the student can enroll in upper division education courses.

The student must also complete an application and all other requirements for Admission to Student Teaching. Prior to the professional semester, the student must take and pass the PRAXIS II licensure exam-both the appropriate section of the Principles of Learning and Teaching, and the particular specialty test(s) for the licensure area(s).

**Required Cognates**

- BIOL 151 - General Biology (IN-7) 4 hours
- MATH 191 - Calculus I 4 hours
- RELT 317 - Issues in Physical Science and Religion (R-4) 3 hours
- MATH 192 - Calculus II 4 hours
- OR MATH 215 - Statistics (IN-4) 3 hours
- PHYS 211 - General Physics I (IN-7) 3 hours
- PHYS 212 - General Physics II 3 hours
- PHYS 213 - General Physics Laboratory I (IN-7) 1 hour
- PHYS 214 - General Physics Laboratory II 1 hour
- OR PHYS 221 - University Physics I (IN-7) 4 hours
- PHYS 222 - University Physics II 4 hours
- PHYS 223 - University Physics Laboratory I (IN-7) 1 hour
- PHYS 224 - University Physics Laboratory II 1 hour

**Professional Education Requirements**

- EDUC 138 - Introduction to and Foundations of Secondary Education 3 hours
- EDUC 201 - Teacher Education Candidacy 0 hours
- EDUC 317 - Teaching with Technology 2 hours
- EDUC 338 - Foundations of Inclusive Education (SERV-2) 3 hours
- EDUC 341 - General Methods and Assessment 3 hours
- EDUC 342 - Curriculum and Content Methods - Secondary 2 hours
- EDUC 343 - Learning Theories and Classroom Management 3 hours
- EDUC 419 - Philosophy and Leadership in Christian Education (W) (SERV-2) 3 hours
- EDUC 434 - Reading and Writing in the Content Areas 2 hours
- EDUC 464 - Teaching Seminar 2 hours
- EDUC 472 - Enhanced Student Teaching - Secondary (SERV-2) 10 hours



PSYC 128 - Developmental Psychology (IN-8) 3 hours

**TOTAL 36 HOURS**

### SDA Certification

HLED 173 - Health for Life 2 hours

RELB/RELT - Biblical Studies/Theological Studies 3 hours

REL - Upper division religion elective 3 hours

RELT 138 - Adventist Heritage (R-2) 3 hours

RELT 255 - Christian Beliefs (R-2) 3 hours

**TOTAL 14 HOURS**

## CHEMISTRY, A.S.

Major 31-34

Cognates 6

General Education 15-18

Electives to = 64\* —

**TOTAL 64**

*\*For students planning to pursue a B.S. degree in Chemistry, CHEM 315 is highly recommended.*

### Required Courses

CHEM 151 - General Chemistry (IN-7) 4 hours

CHEM 152 - General Chemistry 4 hours

CHEM 311 - Organic Chemistry 4 hours

CHEM 312 - Organic Chemistry 4 hours

MATH 191 - Calculus I 4 hours

MATH 192 - Calculus II 4 hours

OR MATH 215 - Statistics (IN-4) 3 hours

### Select one (1) group from the following:

PHYS 211 - General Physics I (IN-7) 3 hours

PHYS 212 - General Physics II 3 hours

PHYS 213 - General Physics Laboratory I (IN-7) 1 hour

PHYS 214 - General Physics Laboratory II 1 hour

OR PHYS 221 - University Physics I (IN-7) 4 hours

PHYS 222 - University Physics II 4 hours

PHYS 223 - University Physics Laboratory I (IN-7) 1 hour

PHYS 224 - University Physics Laboratory II 1 hour

**TOTAL 31-34**

### Required Cognates

COMM 135 - Communication and Public Speaking (IN-3) 3 hours

ENGL 102 - Critical Thinking in Academic Reading and Writing II (IN-2) 3 hours

## CHEMISTRY, ENDORSEMENT FOR TEACHER EDUCATION

An endorsement to teach chemistry as an additional field may be obtained by completing a major in another field (preferably mathematics or another science with secondary certification), completing a minor in chemistry that includes the courses listed below, and taking and passing the PRAXIS II licensure exams required for certification in chemistry.

**Required Courses**

CHEM 151 - General Chemistry (IN-7) 4 hours

CHEM 152 - General Chemistry 4 hours

CHEM 311 - Organic Chemistry 4 hours

CHEM 312 - Organic Chemistry 4 hours

Upper Division 4 hours \*

**TOTAL 20 HOURS**

*\*The upper division course should be carefully chosen in consultation with your adviser and a faculty member in the chemistry department to determine what course will best help you prepare for the PRAXIS exams needed for certification in chemistry. Most often this course will be either CHEM 315 - Quantitative Analysis or CHEM 361 - Biochemistry I.*

**CHEMISTRY MINOR****Required Courses**

CHEM 151 - General Chemistry (IN-7) 4 hours

CHEM 152 - General Chemistry 4 hours

Chemistry Electives 10 hours \*

**TOTAL 18 HOURS**

*\*A minimum of six hours must be upper division.*

# School of Computing

**Dean:** Richard Halterman

**Faculty:** Scot Anderson, John Beckett, Richard Halterman, Robert Ordóñez

**Program Coordinator:** All programs, Richard Halterman

## Mission Statement

The mission of Southern Adventist University's School of Computing is to provide an exemplary Christian learning environment that enables students to become Christian computing professionals, who, in addition to being competent in their chosen profession, realize their responsibility to God, church, family, employer, colleagues, and society.

## Majors in Computing

The rapidly expanding field of computing continues to demand an ever-increasing number of technically educated people. The type of computer education needed also continues to shift. Computer graduates this year will be taking jobs that were not even available when they entered college four years ago. Southern Adventist University offers several computer curricula designed to meet the needs of students desiring to enter the computing field but coming to the University with a wide-range of interests and abilities.

**The B.S. degree in Computer Science** is designed to prepare for a wide range of computing professions. Software engineers, software developers, systems analysts, programmer/analysts, network engineers, database administrators, and data specialists are among the professions held by computer scientists. Computer science professionals are distinguished by the high level of theoretical expertise and innovation they apply to complex problems and to the application of new technologies.

**The B.A. degree in Computer Science** allows students to combine a computing degree with a minor or major in another academic area offering a B.A., for instance English, history, or music. This combination is useful in occupations such as teaching high school.

**The B.B.A. in Computer Information Systems** combines classes in computing and systems management with classes in accounting, economics, and business administration. With a few years experience graduates will be equipped to manage a data processing department in a hospital, business, or industry.

**The B.S. in Information Technology** is designed to prepare graduates who will administer the complex computer systems and networks now common in the business world. It requires a minimum of programming, mathematics, and business courses, while concentrating on the technical issues needed to administer and support modern network computing systems and software.

## Accreditation

Southern Adventist University has received specialized accreditation for the following computing programs:

- The B.S. in Computer Science program is accredited by the Computing Accreditation Commission of ABET, [www.abet.org](http://www.abet.org).
- The B.B.A. in Computer Information Systems program is accredited through the International Accreditation for Collegiate Business Education (IACBE), Olathe, KS.

## Admission Requirements

Admission to the School of Computing is required to graduate with a major offered by the School of Computing. Declaration as a major is not the equivalent of acceptance to the School of Computing. Minimum requirements for admission to the School of Computing are:

1. Acceptance to Southern Adventist University.
2. Complete general education: ENGL 101 and ENGL 102.
3. Completion of 6 hours of computer courses required in the major with a grade of “C” or better.
4. Earned overall GPA of 2.25 or better.
5. Earned School of Computing GPA of 2.25 or better.
6. Successful completion of a programming competency examination administered by the School of Computing.

Students pursuing a major offered by the School of Computing should apply for admission at the end of the freshman year. Transfer students will be considered for admission after completing 6 hours of major courses in residence.

## Graduation Requirements

1. Admission to the School of Computing
2. Overall GPA of 2.25
3. School of Computing GPA 2.25

## School of Computing Probation

If a student’s GPA falls below 2.25 in either the major or overall, the student will be placed on School of Computing probation. If the GPA does not improve to 2.25 by the end of one semester on probation, the student must repeat courses in an effort to increase the GPA. The faculty of the School of Computing must approve each probation student’s course load before the student may register.

## Assessment

In the last semester of the senior year all computing students will be required to take a written two-hour exam. The results of this exam are used by the School’s staff to evaluate class offerings as well as program requirements.

## Internship Program

The School of Computing coordinates an internship program that encourages employers to utilize the skills of our students in exciting and productive ways and allows students to take advantage of the opportunities these employers provide. Most of the internships are paid summer internships for which the student may also register to receive academic credit.

## Network Usage Policy at Southern Adventist University

Students must comply with the Southern Adventist University Network Usage Policy. A copy of the policy is available from the Campus Card Desk.

## COMPUTER SCIENCE, B.S.

Major	44
Cognates	24-26
General Education	39
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

### Required Courses

- CPTR 108 - #EssenceOfComputing 3 hours
- CPTR 124 - Fundamentals of Programming 4 hours
- CPTR 215 - Fundamentals of Software Design 4 hours

CPTR 318 - Data Structures and Algorithms 3 hours \*  
 CPTR 328 - Principles of Networking 3 hours  
 CPTR 365 - Operating Systems 3 hours  
 CPTR 427 - Network Security 3 hours  
 CPTR 486 - Senior Seminar (W) 2 hours  
 CPTR 488 - Senior Project 2 hours  
 CPTR 302 - Software Development Tools 1 hour  
 CPTR 319 - Database Management Systems 3 hours  
 CPTR 333 - Computer Architecture and Design 4 hours  
 CPTR 405 - Organization of Programming Languages 3 hours  
 CPTR/CPHE Electives (3 hours must be UD) 6 hours

**TOTAL 44 HOURS****Required Cognates**

MATH 191 - Calculus I 4 hours  
 MATH 192 - Calculus II 4 hours  
 MATH 200 - Elementary Linear Algebra 2 hours  
 MATH 215 - Statistics (IN-4) 3 hours  
 MATH 280 - Discrete Mathematical Structures 3 hours

**Select one two-semester science sequence with lab from the following courses:**

BIOL 151 - General Biology (IN-7) 4 hours  
 BIOL 152 - General Biology (IN-7) 4 hours

CHEM 151 - General Chemistry (IN-7) 4 hours  
 CHEM 152 - General Chemistry 4 hours

PHYS 211 - General Physics I (IN-7) 3 hours  
 PHYS 212 - General Physics II 3 hours  
 PHYS 213 - General Physics Laboratory I (IN-7) 1 hour  
 PHYS 214 - General Physics Laboratory II 1 hour

PHYS 221 - University Physics I (IN-7) 4 hours  
 PHYS 222 - University Physics II 4 hours  
 PHYS 223 - University Physics Laboratory I (IN-7) 1 hour  
 PHYS 224 - University Physics Laboratory II 1 hour

**INFORMATION TECHNOLOGY, B.S.**

Major	47
Cognates	15
General Education	39
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

**Required Courses**

CPIS 443 - Software Evaluation 3 hours  
 CPTE 212 - Web Programming 3 hours  
 CPTE 230 - Windows Administration 3 hours  
 CPTE 254 - UNIX Systems Administration 3 hours  
 CPTE 316 - Application Software Support 3 hours  
 CPTE 433 - Network Administration 3 hours  
 CPTE 440 - Programming and Scripting for Administration 3 hours  
 CPTR 108 - #EssenceOfComputing 3 hours  
 CPTR 124 - Fundamentals of Programming 4 hours  
 CPTR 319 - Database Management Systems 3 hours

CPTR 328 - Principles of Networking 3 hours  
 CPTR 427 - Network Security 3 hours  
 CPTR 446 - Web Services 3 hours  
 CPTR 486 - Senior Seminar (W) 2 hours  
 CPTR 488 - Senior Project 2 hours  
 Computer Elective 3 hours  
**TOTAL 47 HOURS**

### Required Cognates

BUAD 126 - Introduction to Business (IN-9) 3 hours  
 COMM 242 - Introduction to Web Design 3 hours  
 MATH 120 - Precalculus Algebra 3 hours  
 MATH 215 - Statistics (IN-4) 3 hours  
 PSYC - Any 3 hr Psychology course 3 hours

## COMPUTER SCIENCE, B.A.

Major	35
Cognates	9
Minor	18
General Education	42
Elementary Foreign Language*	0-6
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

### Required Courses

CPTR 108 - #EssenceOfComputing 3 hours  
 CPTR 124 - Fundamentals of Programming 4 hours  
 CPTR 215 - Fundamentals of Software Design 4 hours  
 CPTR 302 - Software Development Tools 1 hour  
 CPTR 318 - Data Structures and Algorithms 3 hours  
 CPTR 319 - Database Management Systems 3 hours  
 CPTR 328 - Principles of Networking 3 hours  
 CPTR 333 - Computer Architecture and Design 4 hours  
 CPTR 365 - Operating Systems 3 hours  
 CPTR 427 - Network Security 3 hours  
 CPTR 486 - Senior Seminar (W) 2 hours  
 CPTR 488 - Senior Project 2 hours  
**TOTAL 35 HOURS**

*\*Elementary foreign language or two years of foreign language in high school 0-6 hours*

### Required Cognates

MATH 120 - Precalculus Algebra 3 hours  
 MATH 215 - Statistics (IN-4) 3 hours  
 MATH 280 - Discrete Mathematical Structures 3 hours

### Recommended Elective

MATH 191 - Calculus I 4 hours

## COMPUTING MINOR

### Required Courses

CPTR 108 - #EssenceOfComputing 3 hours  
 CPTR 124 - Fundamentals of Programming 4 hours  
 Electives (A minimum of 6 hrs must be UD) 11 hours  
**TOTAL 18 HOURS**

# School of Education and Psychology

**Dean:** Tammy Overstreet

**Undergraduate Faculty:** Krystal Bishop, Gary Bradley, Jr., Bonnie Eder, Faith Laughlin, Kathryn McGrath, Tammy Overstreet, Cristy Pratt, Matthew W. Tolbert, Tron Wilder, Ruth Williams

## **Program Directors/Coordinators:**

Teacher Education: Krystal Bishop

Psychology: Ruth Williams

## **Philosophy and Objectives**

The School of Education and Psychology subscribes to the belief that human beings were created in the image of God, and as a result of disobedience sin has marred their God-given attributes and divine likeness. We believe that the object of education is also the object of redemption—to restore in people the image of their Maker. To this end, we philosophically endorse this statement from the book *Education*: “True education means more than the perusal of a certain course of study. It means more than a preparation for the life that now is. It has to do with the whole being, and the whole period of existence possible to man. It is the harmonious development of the physical, mental, and spiritual powers. It prepares the student for the joy of service in this world and the higher joy of wider service in the world to come.”

Our objectives are to represent Christ in all that we do, to prepare our students for global service, and to present courses and programs of study that encourage students to integrate into their lives Bible-based beliefs and values as understood by the Seventh-day Adventist Church.

## **Statement of Mission**

The mission of the School of Education and Psychology at Southern Adventist University is to prepare effective Christian professionals who demonstrate a commitment to the pursuit of truth, wholeness, and a life of service in a diverse society.

## **Policies**

Students required to perform field or practicum experiences will accept personal responsibility for their learning and professional behavior. Each student contracts to abide by policies of the School of Education and Psychology.

Students will be expected to provide their own transportation for individual field and practicum experiences unless a lab fee has been assessed for cohort-based field experiences.

The State of Tennessee and local school districts have laws and policies governing the safety of K-12 students in reference to accessibility to these students. To be in compliance with state and local laws, all teacher candidates must submit to fingerprinting conducted by the Tennessee Bureau of Investigation. Should a fingerprint report yield record of a criminal offense, established departmental protocol will be followed. Per this policy, undergraduate teacher candidates who have been convicted of a criminal offense, or who are currently under investigation for a criminal offense, will be considered for admission on a case-by-case basis to be decided by a committee that will include the Dean of the School of Education and Psychology as well as the Program Director.

Students admitted to Student Teaching must become familiar with policies outlined in the Student Teaching Handbook.

The School of Education and Psychology reserves the right to revise, add, and withdraw policies and/or courses as necessary to ensure a quality program.

## Graduate Degrees

The School of Education and Psychology offers two Master of Science degrees:

1. Master of Science in Education (three emphases)
  - Instructional Leadership (online)
  - Literacy Education (online)
  - Outdoor Education (hybrid)
2. Master of Science in Counseling (two emphases)
  - Clinical Mental Health Counseling
  - School Counseling

Degree requirements are described in a separate Graduate Catalog, available by contacting the School of Education and Psychology.

## Undergraduate Psychology Degrees

Undergraduate programs in psychology are pre-professional in that they are designed to introduce students to a wide knowledge base in the field and to prepare them for further training.

### The Goal

The goal of the undergraduate psychology programs is to provide students with the knowledge, skills, and dispositions that prepare them for further training and education in specialized fields of psychology. The learning outcomes emanating from this major goal are grouped into two major categories:

- Knowledge, skills, and dispositions consistent with the science and application of psychology, and
- Knowledge, skills, and dispositions consistent with both a Christian and a liberal arts education.

### Conceptual Framework

These outcomes are realized by providing opportunities for psychology students to become effective in the following roles:

1. A caring person
2. An informed and passionate learner
3. A scientific thinker, and
4. A committed pre-professional.

These then lay the foundation for pre-professional excellence and constitute the core objectives of the undergraduate psychology programs.

### Proficiencies

The conceptual framework incorporates the following proficiencies:

1. As a caring person, the psychology pre-professional will evidence knowledge, skills and dispositions by:
  - Demonstrating the ideals of compassion and justice, along with the belief that all individuals are created in the image of God and thus have unique, inherent value
  - Recognizing and respecting diversity, and demonstrating personal integrity
  - Considering in decision-making the influence and importance of environmental contexts; familial, social, academic, religious, and cultural
  - Advocating and emulating the example of Christ-like service



2. As an informed and passionate learner, the psychology pre-professional will evidence knowledge, skills, and dispositions by:
  - Demonstrating an awareness of nurturing environments and psychological services and programs
  - Demonstrating understanding of central concepts in the major subfields of psychology
  - Demonstrating understanding of how individuals develop within and across the lifespan
  - Demonstrating understanding of the foundations of psychopathology and mental health and wholeness
  - Using technology appropriately to enhance communication and individual learning
3. As a scientific thinker, the psychology pre-professional will evidence knowledge, skills, and dispositions by:
  - Demonstrating intellectual curiosity, critical thinking, and strategic decision-making
  - Using theory, based on scientific research, to enhance practice
  - Using the scientific method to pose and answer real-world psychological questions
  - Becoming an informed and critical consumer of scientific research
4. As a committed pre-professional, the psychology pre-professional will evidence knowledge, skills, and dispositions by:
  - Collaborating with peers and consulting with faculty and other professionals
  - Demonstrating understanding of the legal and ethical responsibilities in the field of psychology
  - Participating in opportunities to achieve excellence and broaden psychological horizons
  - Recognizing the value of health and a commitment to a lifestyle of wellness
  - Demonstrating appropriate communication skills

## Admission to Psychology Programs

1. Admission Requirements: In order to be admitted to an undergraduate program in psychology, a student must meet the following requirements:
  - Regular Admission to Southern Adventist University: The student must be admitted to the University under Regular Acceptance.
  - Application and Statement of Intent: The student must complete an application, including a Statement of Intent essay, explaining why he/she chose psychology as a major and serving as a self-assessment of how the student feels he/she meets the core objectives and expected proficiencies of the program's conceptual framework: caring person, informed and passionate learner, scientific thinker, and committed pre-professional.
  - Adviser Recommendation: Submit an SEP-based (Psychology) academic adviser recommendation. The recommendation is to include signed evidence by the adviser and advisee that they have discussed the applicant's academic program.
  - Minimum GPA: The student must meet the program-specific GPA requirement, as follows:
    - For admission to the B.A. program, the minimum GPA required is 2.25. In order to be considered for this program, students must have completed General Psychology with a grade of B- or better.
    - For admission to the B.S. in Industrial/Organizational Psychology, the minimum GPA required is 2.75. In order to be considered for this program, students must have completed PSYC 122 and PSYC 253 with grades of B or better.
    - For admission to the B.S. in Psychobiology, the minimum GPA required is 2.90. In order to be considered for this program, students must have completed General Psychology with a grade of B or better, and General Biology I and II OR Anatomy & Physiology I and II.

- For admission to the B.S. in Psychology Clinical Concentration, the minimum GPA required is 2.75. In order to be considered for this program, students must have completed General Psychology with a grade of B or better.
  - For admission to the B.S. in Psychology Family Systems Concentration, the minimum GPA required is 2.75. In order to be considered for this program, students must have completed General Psychology with a grade of B or better.
2. Admission Timeframe: Admission to the Psychology program must be completed as part of the coursework required in PSYC 490. Enrollment in this course is highly recommended in the fall of the junior year.

## Program Completion

During their last academic year in the undergraduate program, students are required to write a major position paper and take the Psychology Major Field Test.

- The senior thesis is a self-assessment of how the student has met the core objectives and expected proficiencies of the program's Conceptual Framework: caring person, informed and passionate learner, scientific thinker, and committed pre-professional. This paper is part of the capstone course, History and Systems of Psychology, and will be read by at least two faculty members.
- The Major Field Test (MFT) in psychology is administered as part of the required experiences of the capstone course, History and Systems of Psychology. The results from the six areas assessed in the Major Field Test will be utilized as benchmarks in the Psychology Unit Plan and Assessment Review.

## Undergraduate Degrees in Teacher Education

The School of Education and Psychology is approved by the Tennessee State Board of Education for the preparation of secondary and elementary teachers and is accredited by the Council for the Accreditation of Educator Preparation (CAEP).

## The Goal

The goal of the professional education unit is to facilitate the comprehensive development of school professionals as servant leaders in their communities.

## Conceptual Framework

This goal is reflected in the conceptual framework, a goal in which we seek to provide opportunities for each candidate to become effective as (a) a caring person, (b) an informed facilitator of learning, (c) a reflective decision maker, (d) a committed professional. These core objectives are reflected through specific proficiencies that lay the foundation of professional excellence.

## Proficiencies

The conceptual framework incorporates the following core objectives and proficiencies:

1. As a caring person, the candidate/school professional will demonstrate knowledge, skills, and dispositions by:
  - Designing experiences that honor best practices related to multicultural and academic diversity
  - Nurturing relationships by showing warmth, care, respect, and fairness to all individuals
  - Reaching out to families and community agencies
  - Emulating the Christ-centered principles of discipleship and service
2. As an informed facilitator of learning, the candidate/school professional will demonstrate knowledge, skills, and dispositions by:
  - Providing nurturing environments and services based on developmentally and culturally appropriate practices

- Knowing the content and conveying the importance of subject matter
  - Developing a repertoire of discipline strategies and procedures that encourage positive learning environments
  - Planning for differentiation and scaffolding to ensure that all students experience success
  - Utilizing technology to enhance student learning and communication
3. As a Christian reflective decision maker, the candidate/school professional will demonstrate knowledge, skills, and dispositions through:
- Demonstrating intellectual curiosity, critical thinking, and strategic decision making
  - Planned lessons that incorporate evidence-based practices and appropriate materials
  - Using informal and formal assessment data for instructional planning and evaluation
  - Reflecting on observation, instruction, and assessment through a Christ-centered world view
4. As a committed professional, the candidate/school professional will demonstrate knowledge, skills, and dispositions by:
- Collaborating, consulting, and engaging in opportunities to achieve professional excellence
  - Demonstrating professional demeanor, ethical behavior, and carrying out responsibilities conscientiously and punctually
  - Recognizing the value of health and a commitment to a lifestyle of wellness
  - Demonstrating appropriate written and verbal communication skills
  - Studying God's Word and seeking His will

## Teacher Licensure Programs

Southern Adventist University has approved teacher licensure programs at the following\*:

DEGREE	LICENSURE LEVEL	
	SDA	STATE of TN
BA in Liberal Arts Education Leading to Licensure	K-8	K-5
BA in Biology	6-12	6-12
BA in Chemistry	6-12	6-12
BA in English	6-12	6-12
BA in French	K-12	Pre K-12
BA in History/Government	6-12	6-12
BA in Mathematics	6-12	6-12
BMus in Music Education	K-12	K-12
BS in Physical Education/Health	K-12	K-12
BA in Physics	6-12	6-12
BA in Religious Education	6-12	7-12
BA in Spanish	K-12	Pre K-12
English as a Second Language Teaching Endorsement	K-12	Pre K-12
Psychology Minor, Teacher Licensure 9-12(additional endorsement)	6-12	9-12

\*School Counseling licensure is available in a School Counseling Master's program.

## Admission Procedures

Admission to Southern Adventist University does not automatically admit the student into teacher education. Because this is a licensure program, there are four transitions a student must complete. In each transition the student demonstrates growth toward becoming an educator who will make a positive impact on students and learning.

Each student accepted at Southern Adventist University who indicates teaching as the professional objective is assigned an educational program adviser by the Records and

Advisement Office. Advisers assist in planning a student's academic program each year and guide advisees through each transition of Teacher Education. Advisers and advisees should work closely to follow the professional sequence of courses.

Students assume responsibility for making necessary applications, meeting the requirements, and other relevant deadlines.

### **Transition One: Pre-Admission to Teacher Education**

The student must apply for Transition One. This application is made in the semester that a student takes EDUC 129 / EDUC 138. The following criteria are required for Transition One.

1. Completion of EDUC 129 / EDUC 138 with a minimum grade of C.
2. Compliance with the Americans with Disabilities Act. Students must, with or without reasonable accommodation (physically and mentally), be capable of performing the essential functions of the program.
3. Cumulative college GPA of 2.75 or higher.
4. Enhanced ACT/SAT composite score of 22 OR submission of scheduled test date and detailed study plan.
5. Tennessee Board of Investigation background check. Should this check indicate a criminal offense, established departmental protocol will be followed.
6. "Criteria Met" descriptor on the Educator Disposition Assessment for professionalism.
7. Application for pre-admission to Teacher Education.

### **Transition Two: Teacher Education Candidacy (Initial Admission)**

When 45 hours have been completed, the student will enroll in EDUC 201 and certify completion of the following criteria:

1. Completion of ENGL 101 and ENGL 102, each with a minimum grade of C.
2. 2.75 GPA or higher (cumulative, major, and Professional Education).
3. Courses in the major or professional education with a grade lower than a C have been repeated.
4. Enhanced ACT/SAT composite score of 22 OR have passing scores on all three sections (Reading, Writing, Mathematics) of the Core Academic Skills for Educators test which is the entrance competency test required by the State of Tennessee. There is a competitive appeal process for students unable to pass the Core Academic Skills test. According to TN guidelines, only 5% of a yearly cohort may be admitted on appeal.
5. Compliance with the Americans with Disabilities Act. Candidates must, with or without reasonable accommodation (physically and mentally), be capable of performing the essential functions of the program.
6. Recommendations from academic adviser and the Vice President of Student Development.
7. Personal Affirmation Statement

Successful completion of Transition Two is required for students to enroll in most upper division education courses.

At the completion of Transition Two, the current and subsequent catalogs will determine the requirements for completion of the program and for graduation. Deviations to this policy will be valid only if mandated by the North American Division of Seventh-day Adventists and/or the TN Department of Education. Note: Courses with grades lower than C in the major studies and professional education must be repeated. Courses required only for SDA licensure must be repeated for any grade lower than a C-.

### Transition Three: Admission to Student Teaching

The candidate must submit a formal application to be considered for admission to student teaching. A late application submission may delay the student teaching semester.

Note: Prior to the student teaching semester, candidates must pass all required PRAXIS II licensure exams. Each candidate must arrange for a Designated Institutional Report to be sent by the testing service to Southern Adventist University and the State of TN as evidence of passing scores. Candidates planning to student teach in the fall semester must pass all required PRAXIS II exams by June 15. All candidates planning to student teach in the winter semester must pass all required PRAXIS II exams by October 15 of the preceding year.

The following criteria are required for admission to student teaching:

1. Student Teaching application and recommendation forms from adviser and recent education professor. Applications are due by January 30 for student teaching in the fall semester and by April 26 for student teaching in the winter semester.
2. Completion of all professional education courses.
3. 2.75 GPA (cumulative, major, and professional education).
4. Professional education, major, and cognate courses with grades lower than a C have been repeated.
5. Minimum grade of C- in religion and health courses required for SDA teaching licensure.
6. Evidence of professional dispositions as defined by the Educator Disposition Assessment.
7. Compliance with the Americans with Disabilities Act. Candidates must, with or without reasonable accommodation (physically and mentally), be capable of performing the essential functions of the program.
8. Passing scores on required PRAXIS II exams.
9. Key evidences submitted in online platform. These evidences must be at the Proficient level or above.
10. Evidence of CPR/First Aid certification.
11. Completion of Performance Improvement Plan (PIP). A PIP is indicated only when scores on any program candidate assessment fall below the expected criteria. When a PIP has been in place, there must be evidence that the plan has been successfully executed.

Applicants meeting the above criteria are approved by the Teacher Education Council. The candidate will be informed in writing as to the status of the admission following the action of the Teacher Education Council.

In the event that the Teacher Education Council recommends a conditional acceptance, the candidate will be notified of the condition. The adviser and candidate will collaborate in the development of the PIP. Student teachers accepted on condition will receive additional coaching from assigned supervisors. Failure to complete the PIP in a satisfactory manner may result in a third placement or termination of the student teaching placement. The Teacher Education Council will determine eligibility for continuing in student teaching. [Previously called "Action Plan"]

Candidates who do not meet the required criteria may appeal to the Teacher Education Council. However, submission of an appeal does not guarantee admission to student teaching.

### Transition Four: Culmination of Teacher Education Program

Student teaching is considered the culminating experience of the Teacher Education Program. To successfully exit the program the following criteria must be met:

1. Completion of student teaching.
2. Passing scores on edTPA, as required.
3. Application for teaching licensure.

## Transfer Students

- Students transferring from another institution and desiring immediate initial admission to Teacher Education must provide two recommendations from professors at the institution from which they are transferring and meet all initial admission requirements.
- Transfer students who are seeking licensure and have completed the majority of their field experiences at another institution will be required to complete EDUC 201; EDUC 339 (elementary) or EDUC 343 (secondary). On an individual basis, a student may be advised to audit additional courses.
- Prior to any field experience, transfer students must complete a Tennessee Bureau of Investigation background check. Should a fingerprint report yield record of a criminal offense, established departmental protocol will be followed.

## Advisement

The primary goal of the advisement process is to orient the teacher candidate with the total teacher education program, with major emphasis on its three components, namely, general education, professional education, and major studies. This is accomplished by the academic adviser as he/she interacts with his/her advisees during advisement sessions.

Secondary majors have an adviser in their major; furthermore, they are expected to seek on-going advisement related to the Teacher Education Program from the Secondary Coordinator and/or the Certification Officer in the School of Education and Psychology.

## Appeal Procedures

Criteria and standards for initial admission are explicit. Courses may be repeated to raise GPA or candidates may follow the Grievance Procedures found under Academic Policies in the Southern Adventist University Catalog. Students seeking admission to the Teacher Education Program who have failed to obtain satisfactory ACT scores (minimum composite or average of 22) on a test administration in college and who have failed one (1) attempt to pass the Core Academic Skills for Educators test may submit an appeal to the Teacher Education Council. Appeals must be submitted by the 4th semester. **Submission of an appeal does not guarantee admission to Teacher Education.** Due to state licensure protocols only five (5) percent of a yearly cohort may be admitted on appeal. This makes the appeal process competitive in nature. Applicants must demonstrate a commitment to teaching and show evidence of strength in other initial admission criteria (e.g. GPA, leadership, service, interpersonal skills, commitment to teaching profession). To submit an appeal due to an ACT score lower than 22 the student must:

- Have an ACT of 20 or higher.
- Submit documentation of working with Learning Support Services to learn test-taking skills.
- Take the Core Academic Skills for Educators tests as mandated by TN Department of Education.
- Demonstrate dispositions that meet expectation as scored by two (2) faculty members identified by the Teacher Education Council.
- Submit a letter of commitment to teaching.
- Submit two letters of recommendation from previous or current professors.
- Submit one letter of recommendation from a professional who has observed interactions with children and youth.
- Interview with faculty.
- Meet all other requirements for initial admission.

A letter of response will be provided to each applicant stating the decision of the Teacher Education Council. The letter will indicate that those accepted on appeal must initiate a meeting with the education adviser, and content area adviser, if applicable, each semester for Praxis II coaching.

**If the minimum GPA is not met, an appeal should not be submitted.**

## Teacher Licensure

Licensure and certification are synonymous terms for the process of granting legal authorization to teach in the public or private elementary or secondary schools of a state or of the Seventh-day Adventist Church based on meeting predetermined qualifications. Licensure has been established to give professional status to qualified educators and to assure school boards and parents that the teacher is well prepared.

### Who can obtain licensure?

Every candidate who successfully completes the requirements for teaching in the elementary or secondary school and graduates from Southern Adventist University will receive recommendation for licensure based upon the following criteria:

1. Successful completion of student teaching assignments
2. Satisfactory completion of all credential requirements
3. Passing scores on the following examinations:
  - All required Praxis II
  - Applicable edTPA

**Licensure is not automatic. The eligible candidate must make the necessary application to the Southern Union Conference, and to any other appropriate union conference for denominational certification; and to the State of Tennessee and to any other specific state department of education where the candidate expects to teach.** Information regarding licensure is available from the Southern Adventist University certification officer. Since teacher licensure regulations are always in the process of change, graduating teacher education candidates are urged to make their applications for licensure as soon as possible.

### What licenses may be obtained?

1. Initial Teaching License (Tennessee)  
A license is issued on the basis of a minimum of a Bachelor's Degree with a major in at least one subject teaching field and the completion of an approved teacher education program. Passing scores on all required PRAXIS II Examinations and edTPA (as required) must be obtained.
2. Basic Certificate (SDA denominational)  
This denominational certificate is issued on the basis of completing the following courses in addition to the required professional education and other EDUC courses. A minimum grade of "C-" is required in these:
  - HLED 173 - Health for Life 2 hours
  - RELB/RELT Biblical Studies/Theological Studies 3 hours
  - REL Upper division religion elective 3 hours
  - RELT 138 - Adventist Heritage (R-2) 3 hours
  - RELT 255 - Christian Beliefs (R-2) 3 hours
  - OR RELT 484 - Christian Theology I (R-4) 3 hours and RELT 485 - Christian Theology II (W) (R-4) 3 hours

### Requirements for Licensure

Candidates for state licensure must complete the appropriate teacher preparation curriculum. This consists of three components: general education, professional education, and major studies as specified in the Southern Adventist University Catalog.



1. General Education:

This component represents that portion of the total teacher education program designed to foster the development of those competencies that are basic to life's responsibilities and provides intellectual foundation in the liberal arts. Students pursuing a teacher education curriculum must work closely with their advisers for guidance in the selection of general education courses that are appropriate to their individual needs. Relevant courses are listed in this Catalog under the three main areas of the General Education requirements.

2. Professional Education:

Elementary: The elementary program with the degree requirements is listed here.

Secondary and P/K-12: The following courses are required for secondary teaching licensure. In order to be eligible for licensure, candidates must have a minimum grade point average of 2.75 in the major, professional education, and cumulative areas.

- EDUC 138 - Introduction to and Foundations of Secondary Education 3 hours
- PSYC 128 - Developmental Psychology (IN-8) 3 hours
- EDUC 201 - Teacher Education Candidacy 0 hours
- EDUC 317 - Teaching with Technology 2 hours
- EDUC 338 - Foundations of Inclusive Education (SERV-2) 3 hours
- EDUC 341 - General Methods and Assessment 3 hours
- EDUC 342 - Curriculum and Content Methods - Secondary 2 hours
- EDUC 343 - Learning Theories and Classroom Management 3 hours
- EDUC 419 - Philosophy and Leadership in Christian Education (W) (SERV-2) 3 hours
- EDUC 434 - Reading and Writing in the Content Areas 2 hours
- EDUC 464 - Teaching Seminar 2 hours
- EDUC 472 - Enhanced Student Teaching - Secondary (SERV-2) 10 hours
- OR EDUC 473 - Enhanced Student Teaching K-12 (SERV-2) 10 hours

**TOTAL 36 HOURS**

*\*French, music, physical education, and Spanish majors must enroll in EDUC 473*

*Note: Music and physical education majors should consult the Catalog sections corresponding to their major for professional education requirements.*

3. Major Studies:

Major studies requirements: Preparation for teaching in the elementary school requires a B.A. in Liberal Arts Education leading to licensure K-8 SDA (K-5 TN) or its equivalent.

The following departments/schools offer majors/minors that can be combined with professional education requirements leading to teaching licensure:

Biology	Modern Languages (French and Spanish)
Chemistry	Music
English	Physical Education
History/Government	Physics
Mathematics	Religion

Students are to complete the degree requirements as specified by their chosen majors plus the professional education courses as listed above.

1. Additional Endorsements:

For licensure, a major is not always required for additional endorsements. A minor may be acceptable in some disciplines as a second endorsement area. Candidates should contact the Certification Officer in the School of Education and Psychology for information on specific requirements in the area(s) of endorsement sought.

Individuals meeting requirements for secondary licensure who wish to be licensed for elementary or individuals meeting the requirements for elementary education licensure who wish to be licensed/endorsed in one or more secondary areas must meet with the



Certification Officer to work out an individualized course of study that meets State of Tennessee and/or Seventh-day Adventist guidelines for teaching licensure.

## 2. Miscellaneous Information Relative to Teacher Training:

- With the exception of EDUC 464 and PEAC 425 according to the State of TN, “no other courses may be taken by candidates during the student teaching clinical practice. In exceptional cases, candidates may seek the approval of [the Teacher Education Council] to take no more than one additional course provided: (1) the course does not interfere with the participant’s full participation in all activities associated with student teaching, and (2) no other opportunity exists for the candidate to take the course before completion of the educator preparation program” (TN Educator Preparation Policy 5.504). Requests for exceptions must be submitted to the Teacher Education Council at the time of applying for student teaching. The Teacher Education Council will determine if the exception will be granted.
- Off-campus or online credit will be accepted to the extent of twenty-five percent of the credit required for the certificate provided that no more than three semester hours in education are applied on the professional education requirement. If personal circumstances demand an off-campus or online course, a petition must be filed with the School of Education and Psychology and its approval obtained before registering for the course. The course must be completed and the grade filed in the Records and Advisement Office prior to the beginning of student teaching.

## Catalog Applicability

At the time of an individual’s Initial Admission to the Teacher Education Program, the current and subsequent catalogs will determine the requirements for completion of the program and graduation. **Candidates, however, must meet any and all such additional requirements mandated by the NAD, CAEP, or the State of Tennessee Department of Education, even though such changes may not be listed in the Teacher Education programs in the particular catalog under which the candidate entered.** Candidates should stay in contact with the School of Education and Psychology to be aware of any changes that may affect them.

## PSYCHOLOGY, CLINICAL CONCENTRATION, B.S.

This B.S. degree is recommended for students interested in becoming clinicians, practitioners, and therapists and who wish to gain admission into graduate programs in counseling or clinical psychology. The program is specifically designed for students interested in pursuing the M.S. degree in Clinical Mental Health Counseling or School Counseling.

Major	56
Cognates	14-17
General Education	36
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

### Required Courses

- PSYC 100 - Careers in Psychology (SERV-2) 1 hour
- PSYC 122 - General Psychology 3 hours
- PSYC 128 - Developmental Psychology (IN-8) 3 hours
- PSYC 224 - Social Psychology 3 hours
- PSYC 227 - Cognitive Psychology 3 hours
- PSYC 231 - Multicultural Relations 3 hours
- PSYC 297 - Research Design and Statistics I 3 hours
- PSYC 315 - Abnormal Psychology 3 hours
- PSYC 346 - Introduction to Personality Theories 3 hours
- PSYC 357 - Psychological Testing 3 hours
- PSYC 377 - Fundamentals of Counseling 3 hours

PSYC 416 - History and Systems of Psychology (W) 3 hours  
 PSYC 460 - Group Processes 3 hours  
 PSYC 479 - Family Counseling 3 hours  
 PSYC 490 - Psychology Seminar 1 hour  
 PSYC 491 - Psychology Practicum 1-3 hours (2 hours required) \*  
 PSYC 498 - Research Design and Statistics II (W) 4 hours

**Select three (3) hours from the following:**

PSYC 233 - Human Sexuality 3 hours  
 PSYC 349 - Aging and Society (W) 3 hours

**Select six (6) hours from the following:**

PSYC 390 - Health Psychology 3 hours  
 PSYC 422 - Issues in Adolescence 3 hours  
 PSYC 455 - Psychology of Emerging Adulthood 3 hours

*\*Start in the junior year*

**TOTAL 56 HOURS**

**Required Cognates**

BIOL 101 - Anatomy and Physiology (IN-7) 4 hours  
 BIOL 102 - Anatomy and Physiology 4 hours  
 BIOL 421 - Issues in Science and Society (W) 3 hours  
 RELT 373 - Christian Ethics (R-4) 3 hours  
 MATH - One math course other than MATH 215 only if ACT math subscore is below 22, SAT score is below 520 or SAT-R score is below 570 0-3 hours

**PSYCHOLOGY, FAMILY SYSTEMS CONCENTRATION, B.S.**

This B.S. degree will provide a more focused understanding of marriages and families and their relationship to other institutions, such as the religious, educational, governmental, and occupational institutions in our society. The concentration is recommended for students who are planning to gain admission into Master's and Doctorate graduate programs in specific areas of psychology such as Clinical Mental Health, School Counseling, Social Work, Marriage and Family Therapy, Family Studies, Early Childhood Development, and Public Administration.

Major	62
Cognates	14-17
General Education	36
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

**Required Courses**

PSYC 100 - Careers in Psychology (SERV-2) 1 hour  
 PSYC 122 - General Psychology 3 hours  
 PSYC 128 - Developmental Psychology (IN-8) 3 hours  
 PSYC 201 - Parenting (SERV-2) 3 hours  
 PSYC 223 - Marriage and Family 3 hours  
 PSYC 224 - Social Psychology 3 hours  
 PSYC 233 - Human Sexuality 3 hours  
 PSYC 250 - Death and Dying 3 hours  
 PSYC 297 - Research Design and Statistics I 3 hours  
 PSYC 315 - Abnormal Psychology 3 hours  
 PSYC 349 - Aging and Society (W) 3 hours  
 PSYC 357 - Psychological Testing 3 hours  
 PSYC 377 - Fundamentals of Counseling 3 hours  
 PSYC 405 - Sexual Abuse Awareness and Prevention 1-3 hours (3 hours required)  
 PSYC 416 - History and Systems of Psychology (W) 3 hours

- PSYC 422 - Issues in Adolescence 3 hours
- PSYC 455 - Psychology of Emerging Adulthood 3 hours
- PSYC 479 - Family Counseling 3 hours
- PSYC 490 - Psychology Seminar 1 hour
- PSYC 491 - Psychology Practicum 1-3 hours (2 hours required) \*
- PSYC 498 - Research Design and Statistics II (W) 4 hours

*\*Practicum for this degree would be particularly geared towards a placement that matches the major (i.e. in a family systems area). Recommended for the junior year.*

**Select three (3) hours from the following:**

- PSYC 227 - Cognitive Psychology 3 hours
- PSYC 231 - Multicultural Relations 3 hours
- PSYC 346 - Introduction to Personality Theories 3 hours

**TOTAL 62 HOURS**

**Required Cognates**

- BIOL 101 - Anatomy and Physiology (IN-7) 4 hours
- BIOL 102 - Anatomy and Physiology 4 hours
- BIOL 421 - Issues in Science and Society (W) 3 hours
- RELT 373 - Christian Ethics (R-4) 3 hours
- MATH - One math course other than MATH 215 only if ACT math subscore is below 22, SAT score is below 520 or SAT-R score is below 570 0-3 hours

**PSYCHOLOGY, INDUSTRIAL/ORGANIZATIONAL CONCENTRATION, B.S.**

This B.S. degree is recommended for students planning to gain admission into graduate programs in industrial/organizational psychology. The degree program is general enough to allow entrance into several other areas of psychology at the graduate level, or to consider moving into the more applied aspects of psychology, such as human resource management, organizational behavior, or business-related fields. Six hours of foreign language is required for the B.S. in Industrial/Organizational Psychology. Spanish is encouraged. Industrial/Organizational Psychology students should avail themselves of advisement in both psychology and business.

Major	65
Cognates	14-17
General Education	33
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

**Required Courses**

**Psychology**

- PSYC 100 - Careers in Psychology (SERV-2) 1 hour
- PSYC 122 - General Psychology 3 hours
- PSYC 224 - Social Psychology 3 hours
- PSYC 227 - Cognitive Psychology 3 hours
- PSYC 231 - Multicultural Relations 3 hours
- PSYC 253 - Industrial/Organizational Psychology 3 hours
- PSYC 297 - Research Design and Statistics I 3 hours
- PSYC 315 - Abnormal Psychology 3 hours
- PSYC 346 - Introduction to Personality Theories 3 hours
- PSYC 357 - Psychological Testing 3 hours
- PSYC 416 - History and Systems of Psychology (W) 3 hours
- PSYC 460 - Group Processes 3 hours
- PSYC 490 - Psychology Seminar 1 hour
- PSYC 491 - Psychology Practicum 1-3 hours (2 hours required) \*

PSYC 498 - Research Design and Statistics II (W) 4 hours

**TOTAL 41 HOURS**

**Business and Management**

BUAD 312 - Professional Communication and Leadership 3 hours

BMKT 327 - Consumer Behavior 3 hours \*\*

BUAD 358 - Ethical, Social, and Legal Environment of Business (W) 3 hours

ECON 213 - Survey of Economics (IN-9) 3 hours

MGNT 334 - Principles of Management 3 hours

MGNT 344 - Human Resource Management 3 hours

MGNT 368 - Multicultural Management 3 hours

MGNT 420 - Organizational Behavior 3 hours

**TOTAL 24 HOURS**

**TOTAL 65 HOURS**

*\* Practicum for this degree would be particularly geared towards a placement that matches the major (i.e. in an I/O or HR area). It should be started in the junior year.*

*\*\* BMKT 327 - Consumer Behavior, stipulates BMKT 326 - Principles of Marketing, as a prerequisite. Completion of this prerequisite as an elective or permission of instructor would be required to take this course.*

**Required Cognates**

BIOL 101 - Anatomy and Physiology (IN-7) 4 hours

BIOL 102 - Anatomy and Physiology 4 hours

BIOL 421 - Issues in Science and Society (W) 3 hours

RELT 373 - Christian Ethics (R-4) 3 hours

MATH - One math course other than MATH 215 only if ACT math subscore is below 22, SAT score is below 520 or SAT-R score is below 570 0-3 hours

**PSYCHOLOGY, PSYCHOBIOLOGY CONCENTRATION, B.S.**

Students should avail themselves of advisement in both psychology and biology.

This B.S. degree is recommended for students planning to gain admission into graduate programs in specific areas of psychology such as neuroscience, and in related professions such as health psychology, neuropsychology, and clinical psychology. This degree program can also be used for entry in related professions such as neuroscience, behavioral medicine, genetic counseling, and behavioral ecology. Students planning for careers in medicine may also find this degree to be desirable as foundation to those ends. Psychobiology students are encouraged to receive advisement in both psychology and biology.

Major	60-62
Cognates	14-17
General Education	33
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

**Required Courses**

**Psychology**

PSYC 100 - Careers in Psychology (SERV-2) 1 hour

PSYC 122 - General Psychology 3 hours

PSYC 227 - Cognitive Psychology 3 hours

PSYC 297 - Research Design and Statistics I 3 hours

PSYC 326 - Biological Basis for Behavior 3 hours

PSYC 357 - Psychological Testing 3 hours

PSYC 384 - Experimental Psychology 3 hours

PSYC 390 - Health Psychology 3 hours  
 PSYC 416 - History and Systems of Psychology (W) 3 hours  
 PSYC 490 - Psychology Seminar 1 hour  
 PSYC 498 - Research Design and Statistics II (W) 4 hours  
 Psychology Electives 3 hours

**Select three (3) hours from the following:**

PSYC 128 - Developmental Psychology (IN-8) 3 hours  
 PSYC 349 - Aging and Society (W) 3 hours  
 PSYC 422 - Issues in Adolescence 3 hours

**Select three (3) hours from the following:**

PSYC 224 - Social Psychology 3 hours  
 PSYC 315 - Abnormal Psychology 3 hours  
 PSYC 346 - Introduction to Personality Theories 3 hours

**TOTAL 39 HOURS**

**Biology**

BIOL 151 - General Biology (IN-7) 4 hours  
 BIOL 152 - General Biology (IN-7) 4 hours  
 BIOL 311 - Genetics 4 hours

**Select one of the following course sequences:**

BIOL 101 - Anatomy and Physiology (IN-7) 4 hours  
 BIOL 102 - Anatomy and Physiology 4 hours  
 OR BIOL 416 - Human Anatomy 3 hours  
 BIOL 418 - Animal Physiology 3 hours

**Select three (3) hours from the following:**

BIOL 313 - Developmental Biology 3 hours  
 BIOL 340 - Immunology 3 hours  
 BIOL 412 - Cell and Molecular Biology 4 hours  
 BIOL 417 - Animal Histology 3 hours

**TOTAL 21-23 HOURS**

**TOTAL 60-62 HOURS**

**Required Cognates**

CHEM 151 - General Chemistry (IN-7) 4 hours  
 CHEM 152 - General Chemistry 4 hours  
 HMNT 211 - Introduction to Philosophy 3 hours  
 MATH - One math course other than MATH 215 only if ACT math subscore is below 22, SAT score is below 520 or SAT-R score is below 570 0-3 hours  
 RELT 421 - Issues in Science and Society (W) (R-4) 3 hours

**LIBERAL ARTS EDUCATION, B.A.**

**Leading to Licensure K-8 SDA, K-5 TN**

Meets K-8 standards for Seventh-day Adventist teaching licensure and K-5 standards for State of Tennessee teaching licensure.

Major	46
General Education	33
Elementary Foreign Language*	0-6
Professional Education	44
Denomination Certification	2
<b>TOTAL</b>	<b>125-131</b>

**Required Courses**

- BIOL 103 - Principles of Biology (IN-7) 3 hours  
 CHEM - Any CHEM course 3 hours  
 EDUC 233 - Children's Literature 3 hours  
 EDUC 243 - Foundations of Elementary Literacy 2 hours  
 EDUC 317 - Teaching with Technology 2 hours  
 EDUC 302 - English as a Second Language: Strategies and Methods 3 hours  
 EDUC 322 - Educational Research and Statistics (W) 3 hours  
 EDUC 419 - Philosophy and Leadership in Christian Education (W) (SERV-2) 3 hours  
 GEOG 204 - World Geography (SERV-2) 3 hours  
 HIST/PLSC, ELIT/ENGL/EESL, MATH, Science Emphasis Elective, 6 hours  
 MATH 117 - College Algebra 3 hours  
 MATH 215 - Statistics (IN-4) 3 hours  
 PHYS/ERSC elective (IN-7) 3 hours  
 COMM 330 - Intercultural Communication (W) 3 hours  
   OR HIST 356 - Race, Ethnicity, and Immigration in American History (IN-6) (W) 3 hours  
 HIST 154 - U.S. History through the Civil War (IN-6) 3 hours  
   OR HIST 155 - U.S. History since the Civil War (IN-6) 3 hours  
   OR PLSC 254 - American National and State Government 3 hours  
   OR HIST 174 - World Societies to 1500 (IN-6) 3 hours  
   OR HIST 175 - World Societies since 1500 (IN-6) 3 hours

**TOTAL 46 HOURS**

*\*Elementary foreign language or two years of foreign language in high school 0-6 hours*

**Professional Education**

- EDUC 129 - Introduction to and Foundations of Elementary Education 3 hours  
 EDUC 201 - Teacher Education Candidacy 0 hours  
 EDUC 238 - K-8 Bible Methods 3 hours  
 EDUC 305 - Primary Literacy 3 hours  
 EDUC 324 - Elementary Language Arts Methods 3 hours  
 EDUC 327 - Elementary Mathematics Methods 3 hours  
 EDUC 331 - Educational Theory and Assessment 3 hours  
 EDUC 338 - Foundations of Inclusive Education (SERV-2) 3 hours  
 EDUC 339 - Principles and Methods of Teaching Reading 3 hours  
 EDUC 421 - Behavior Management-Elementary 2 hours  
 EDUC 448 - Response to Intervention 2 hours  
 EDUC 454 - Elementary Science and Health Methods 2 hours  
 EDUC 457 - Elementary Social Studies Methods 2 hours  
 EDUC 464 - Teaching Seminar 2 hours  
 EDUC 471 - Enhanced Student Teaching - Elementary (SERV-2) 10 hours

**TOTAL 44 HOURS****Required General Education****Area R-1**

- RELB 125 - Life and Teachings of Jesus (R-1) 3 hours  
 OR RELT 177 - Christian Spirituality (R-1) 3 hours

**TOTAL 3 HOURS****Area R-2**

- RELT 138 - Adventist Heritage (R-2) 3 hours  
 RELT 255 - Christian Beliefs (R-2) 3 hours

**TOTAL 6 HOURS****Area R-3 or R-4**

- UD REL 3 hours

**TOTAL 3 HOURS**

**Area IN-1**

NOND 101 - Southern Connections (IN-1) 1 hour

**TOTAL 1 HOUR**

**Area IN-2**

ENGL 101 - Critical Thinking in Academic Reading and Writing I (IN-2) 3 hours

ENGL 102 - Critical Thinking in Academic Reading and Writing II (IN-2) 3 hours

**TOTAL 6 HOURS**

**Area IN-3**

COMM 135 - Communication and Public Speaking (IN-3) 3 hours

**TOTAL 3 HOURS**

**Area IN-5**

CPTC 100 - Computer Concepts (IN-5) 1 hour

**TOTAL 1 HOUR**

**Area IN-8**

PSYC 128 - Developmental Psychology (IN-8) 3 hours

**TOTAL 3 HOURS**

**Area IN-9**

BUAD 128 - Personal Finance (IN-9) 3 hours

OR ECON 213 - Survey of Economics (IN-9) 3 hours

**TOTAL 3 HOURS**

**Area P-1a**

PEAC 125 - Fitness for Collegiate Life (P-1a) 1 hour

**TOTAL 1 HOUR**

**Area P-1b**

PEAC 325 - Physical Activity in Elementary Schools (P-1b) 1 hour

ADAC, PEAC, OR RECR course 1 hour

**TOTAL 2 HOURS**

**Area P-1c**

PEAC 425 - Fit for Hire (P-1c) 1 hour

**TOTAL 1 HOUR**

**TOTAL 33 HOURS**

**Denomination Certification Requirement**

HLED 173 - Health for Life 2 hours

**TOTAL 2 HOURS**

**LIBERAL ARTS EDUCATION, B.A., NON-LICENSURE TRACK**

Students not seeking teaching licensure must complete the liberal arts education major as well as Southern Adventist University's general degree requirements for the baccalaureate degree as listed under "Academic Policies," including:

- A minimum of 124 semester hours with a resident and cumulative grade point average of 2.00 OR above.
- A minimum of 40 hours of upper division credit, to include at least 14 upper division hours in the major for a B.A. degree.

- Completion of the major and a minor (two majors accepted) for a B.A. degree with a cumulative grade point average of 2.25 in the major and cognate courses, completion of the General Education requirements, and electives to satisfy the total credit requirements for graduation.
- Students in this major must choose a minor OR second major in an area other than education.

Major	46
Cognates	8
Minor	18-24
General Education	36-39
Elementary Foreign Language*	0-6
Electives to = 124**	
<b>TOTAL</b>	<b>124</b>

### Required Courses

- BIOL 103 - Principles of Biology (IN-7) 3 hours
- CHEM - Any CHEM course 3 hours
- EDUC 233 - Children's Literature 3 hours
- EDUC 302 - English as a Second Language: Strategies and Methods 3 hours
- EDUC 317 - Teaching with Technology 2 hours
- EDUC 322 - Educational Research and Statistics (W) 3 hours
- EDUC 419 - Philosophy and Leadership in Christian Education (W) (SERV-2) 3 hours
- GEOG 204 - World Geography (SERV-2) 3 hours
- HIST/PLSC, ELIT/EESL/ENGL, MATH, Science Emphasis Elective 8 hours
- MATH 117 - College Algebra 3 hours
- MATH 215 - Statistics (IN-4) 3 hours
- PHYS/ERSC Elective 3 hours
- COMM 330 - Intercultural Communication (W) 3 hours  
OR HIST 356 - Race, Ethnicity, and Immigration in American History (IN-6) (W) 3 hours

### Select three (3) hours from the following:

- HIST 154 - U.S. History through the Civil War (IN-6) 3 hours
  - HIST 155 - U.S. History since the Civil War (IN-6) 3 hours
  - HIST 174 - World Societies to 1500 (IN-6) 3 hours
  - HIST 175 - World Societies since 1500 (IN-6) 3 hours
  - PLSC 254 - American National and State Government 3 hours
- TOTAL 46 HOURS**

*\*Elementary foreign language or two years of foreign language in high school*

*\*\*Must enroll in a total of 40 UD hours*

### Required Cognates

Eight (8) upper division hours from the following: 8 hours

- Biology
- Chemistry
- English
- History
- Journalism and Communication
- Modern Languages
- Music
- Outdoor Leadership
- Physics
- Political Science
- Visual Arts



## PSYCHOLOGY, B.A.

The B.A. degree in psychology is recommended for students who wish to become psychologists and are planning to gain admission into graduate programs. In addition, this degree is recommended for students who desire to combine psychology with another academic discipline.

Major	35
Cognates	9-13
Minor	18
General Education	36
Elementary Foreign Language*	0-6
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

### Required Courses

- PSYC 100 - Careers in Psychology (SERV-2) 1 hour
- PSYC 122 - General Psychology 3 hours
- PSYC 128 - Developmental Psychology (IN-8) 3 hours
- PSYC 224 - Social Psychology 3 hours
- PSYC 227 - Cognitive Psychology 3 hours
- PSYC 297 - Research Design and Statistics I 3 hours
- PSYC 315 - Abnormal Psychology 3 hours
- PSYC 346 - Introduction to Personality Theories 3 hours
- PSYC 357 - Psychological Testing 3 hours
- PSYC 416 - History and Systems of Psychology (W) 3 hours
- PSYC 490 - Psychology Seminar 1 hour
- PSYC 491 - Psychology Practicum 1-3 hours (2 hours required) \*
- PSYC 498 - Research Design and Statistics II (W) 4 hours

\*Start in the junior year

### TOTAL 35 HOURS

\*Elementary foreign language or two years of high school foreign language 0-6 hours

### Required Cognates

- BIOL 421 - Issues in Science and Society (W) 3 hours
- RELT 373 - Christian Ethics (R-4) 3 hours
- MATH - One math course other than MATH 215 only if ACT math subscore is below 22, SAT score is below 520 OR SAT-R score is below 570 0-3 hours
- Science course with lab 3-4 hours

## English as a Second Language Teaching Endorsement

Initial/Add-on program (leading to English as a Second Language teaching licensure)\*

Many applicants have completed one or more of these courses (or similar content) as part of an undergraduate curriculum. Through evaluation of transcripts, it can be determined what coursework may be applied toward the requirements for the ESL endorsement. Add-on licensure is available to candidates who have already received a teaching license in another area. Passing score on the required Praxis II examination for ESL must be obtained.

It is expected that candidates wishing this endorsement as part of their initial teaching license will complete all the major and professional education courses required for their major with teaching licensure/certification in addition to the course requirements listed below. Majors in which teaching licensure is available include B.Mus. in Music Education, B.S. in Physical Education/Health, B.A. in Biology; B.A. in Chemistry; B.A. in English; B.A. in History; B.A. in Liberal Arts Education, B.A. or B.S. in Mathematics, B.A. in Physics, B.A. in Religious Education, B.A. in French, B.A. in Spanish.

In addition, candidates wishing this endorsement as part of their initial teaching license must have had the experience of learning a world language equivalent to at least six semester hours of college level language study. This experience may include, but is not limited to: completion of intensive language training by the Peace Corps or passing the Praxis II subject assessment in a second language.

### Required Courses

- EDUC 301 - English as a Second Language: Issues and Trends 3 hours
- EDUC 302 - English as a Second Language: Strategies and Methods 3 hours
- EDUC 476 - Practicum: English as a Second Language 1 hour \*
- ENGL 202 - Grammar and Its Consequences (SERV-2) 3 hours
- OR ENGL 317 - Introduction to Linguistics 3 hours

### Select two (2) reading courses from the following:

- EDUC 305 - Primary Literacy 3 hours
- EDUC 339 - Principles and Methods of Teaching Reading 3 hours
- EDUC 434 - Reading and Writing in the Content Areas 2 hours

### Select one three (3) hour diversity course as follows:

- COMM 330 - Intercultural Communication (W) 3 hours
- HIST 356 - Race, Ethnicity, and Immigration in American History (IN-6) (W) 3 hours
- OR SOCI 150 - Cultural Anthropology 3 hours
- OR SOCW 150 - Cultural Anthropology 3 hours

### TOTAL 17-18 HOURS

*\* The practicum may be waived if the candidate has a minimum of one semester of appropriately supervised experience teaching ESL in an accredited school (documented by verification from the school or school system of the teaching assignment, duration, and effectiveness) or previous experience teaching in an ESL setting other than an accredited one. This option requires documentation of experience with both elementary and secondary students, including setting, schedule, content, demographic information about students and other pertinent information. Supporting materials, such as lesson plans, units, newsletters, etc.; verification of success (letters from supervisors, copies of evaluations, etc.) should also be included.*

## EDUCATION MINOR

This minor does not lead to either elementary or secondary licensure, both of which require a baccalaureate degree and completion of professional education courses for licensure. See the Requirements for Licensure. Due to the fact that the Liberal Arts major (non-licensure) includes fourteen (14) EDUC hours, it is deemed necessary for students in that major to choose a minor in an area other than education.

### Required Courses

- EDUC 419 - Philosophy and Leadership in Christian Education (W) (SERV-2) 3 hours
  - EDUC 129 - Introduction to and Foundations of Elementary Education 3 hours
  - OR EDUC 138 - Introduction to and Foundations of Secondary Education 3 hours
  - Additional 12 hours of EDUC courses, including one 3 hour upper division course 12 hours
- ### TOTAL 18 HOURS

## FAMILY SYSTEMS PSYCHOLOGY MINOR

### Required Courses

- PSYC 100 - Careers in Psychology (SERV-2) 1 hour
- PSYC 128 - Developmental Psychology (IN-8) 3 hours
- PSYC 201 - Parenting (SERV-2) 3 hours
- PSYC 223 - Marriage and Family 3 hours
- PSYC 233 - Human Sexuality 3 hours

PSYC 479 - Family Counseling 3 hours

**Select six (6) hours from the following:**

PSYC 250 - Death and Dying 3 hours

PSYC 349 - Aging and Society (W) 3 hours

PSYC 377 - Fundamentals of Counseling 3 hours

PSYC 405 - Sexual Abuse Awareness and Prevention 1-3 hours

PSYC 422 - Issues in Adolescence 3 hours

PSYC 455 - Psychology of Emerging Adulthood 3 hours

**TOTAL 22 HOURS**

## **INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY MINOR**

### **Required Courses**

MGNT 334 - Principles of Management 3 hours

MGNT 344 - Human Resource Management 3 hours

MGNT 420 - Organizational Behavior 3 hours

PSYC 224 - Social Psychology 3 hours

PSYC 253 - Industrial/Organizational Psychology 3 hours

PSYC 297 - Research Design and Statistics I 3 hours

PSYC 357 - Psychological Testing 3 hours

**TOTAL 21 HOURS**

### **Strongly Recommended**

ECON 213 - Survey of Economics (IN-9) 3 hours (OR equivalent)

## **PSYCHOLOGY (LEADING TO TEACHING LICENSURE IN PSYCHOLOGY 9-12) MINOR**

Students should apply for admission to Teacher Education and take all professional education classes required for secondary certification (see School of Education and Psychology). Recommended to be combined with another teaching licensure area.

### **Required Courses**

PSYC 122 - General Psychology 3 hours

PSYC 128 - Developmental Psychology (IN-8) 3 hours \*

PSYC 227 - Cognitive Psychology 3 hours

PSYC 231 - Multicultural Relations 3 hours

PSYC 315 - Abnormal Psychology 3 hours

PSYC 416 - History and Systems of Psychology (W) 3 hours

### **Select three (3) hours from the following:**

EDUC 322 - Educational Research and Statistics (W) 3 hours

PSYC 297 - Research Design and Statistics I 3 hours

**TOTAL 21 HOURS**

*\*Part of professional education coursework*

## **PSYCHOLOGY MINOR**

### **Required Courses**

PSYC 100 - Careers in Psychology (SERV-2) 1 hour

PSYC 122 - General Psychology 3 hours

PSYC 128 - Developmental Psychology (IN-8) 3 hours

PSYC 297 - Research Design and Statistics I 3 hours

PSYC - Electives (6 hrs must be UD) 9 hours

**TOTAL 19 HOURS**

# English

**Chair:** Keely Tary

**Faculty:** Rachel Byrd, Kathy Goddard, Amanda Livanos, Clarise Nixon, Jodi Ruf, Marcus Sheffield, Laurie Stankavich, Keely Tary, Linda Tym

**First-Year Writing Coordinator:** Amanda Livanos

**EESL Coordinator:** Laurie Stankavich

**All Programs Coordinator:** Keely Tary

The Department of English offers two categories of courses that view humanity's search for truth and its most convincing expression through a Christian perspective. Language courses aid students in developing ease, confidence, and competence in the art of effective communication and in acquiring knowledge of the science of language; literature courses develop the ability to discern and appreciate the best literary works.

Students wishing to major in English must apply to the department through their advisers by taking ENGL 150 during the second semester of their freshman year or at the time of transfer from another major or university. A minimum grade of B- is required in ENGL 101, ENGL 102, and ELIT 216. English majors must maintain a 2.50 overall average in ENGL and ELIT courses.

Students majoring or minoring in English must meet the specific requirements of the Department of English (below) and the General Education program. For the English major, intermediate foreign language is required. ENGL 101, ENGL 102, ENGL 109, ENGL 132, and ELIT 175 do not count toward an English major or minor.

English majors may substitute a journalism writing class or English topics course for one English elective. English majors who minor in journalism or public relations are eligible for internships through the School of Journalism and Communication.

## Mission Statement

The Department of English develops students' skills in language, literature, and writing from a biblical worldview and prepares graduates for a life of Christian service.

## Transfer Credit for English Majors and Minors

English majors and minors are required to take ELIT 214 - Survey of American Literature (IN-10) and ELIT 215 - Survey of English Literature (IN-10) in residence. Exceptions must be petitioned through the department.

## Assessment

As a requirement for graduation and as part of a departmental assessment process, senior English majors take the Major Field Test for Literature in English as part of ELIT 490 - Senior Capstone. ELIT 490 also includes preparation for the Major Field Test, student writings, and an oral interview. Majors complete a written evaluation of the department, providing information used to improve the quality of the department.

## ENGLISH, LITERATURE CONCENTRATION, B.A.

Intended for students planning advanced degrees in a variety of English-related fields, this concentration offers the depth and breadth of background for success at the master's level and beyond.

Major	38
Cognates	12
Minor	18
General Education	39
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

### Required Courses

- ELIT 214 - Survey of American Literature (IN-10) 3 hours
- ELIT 215 - Survey of English Literature (IN-10) 3 hours
- ELIT 216 - Approaches to Literature (IN-10) 3 hours
- ELIT 445 - Ancient Classics (IN-10) (W) 3 hours
- ELIT 463 - Literary Criticism 3 hours
- ELIT 490 - Senior Capstone 1 hour
- ENGL 150 - English Major Qualification 0 hours
- ENGL 202 - Grammar and Its Consequences (SERV-2) 3 hours
- ENGL 317 - Introduction to Linguistics 3 hours
- ENGL 460 - Senior Research Project in English 1 hour

### Select three (3) hours from the following:

- ENGL 306 - Creative Writing: Literary Nonfiction (W) 3 hours
- ENGL 307 - Creative Writing: Fiction (W) 3 hours
- ENGL 308 - Creative Writing: Poetry (W) 3 hours
- ENGL 313 - Expository Writing (W) 3 hours

### Select twelve (12) hours from the following:

- ELIT 323 - A Destiny in Reserve: American Classics of the Nineteenth Century (IN-10) (W) 3 hours
- ELIT 332 - Studies in Medieval Literature (IN-10) (W) 3 hours
- ELIT 333 - Poets and Other Radicals of the English Renaissance (1485-1608) (IN-10) (W) 3 hours
- ELIT 335 - The Bible as Literature (IN-10) (W) 3 hours
- ELIT 337 - A Beautiful Empire: British Classics of the Nineteenth Century (IN-10) (W) 3 hours
- ELIT 338 - Twentieth-Century Writers (IN-10) (W) 3 hours
- ELIT 342 - African American Literature (IN-10) (W) 3 hours
- ELIT 468 - Milton Seminar (IN-10) (W) 3 hours
- ELIT 417 - Intercultural Contexts: Literatures of Power, Place, and People (IN-10) (W) 3 hours
- ELIT 425 - Literature of the South (IN-10) (W) 3 hours
- ELIT 346 - Shakespeare (IN-10) (W) 3 hours
- ELIT 444 - Restoration, Revolution, and Reason: British Classics of the Eighteenth Century (1660-1800) (IN-10) (W) 3 hours
- ELIT 450 - You, Me, We: Identity, Society, Culture, and Politics in Contemporary Literature (W) 3 hours
- ENGL 306 - Creative Writing: Literary Nonfiction (W) 3 hours
  - OR ENGL 307 - Creative Writing: Fiction (W) 3 hours
  - OR ENGL 308 - Creative Writing: Poetry (W) 3 hours
  - OR ENGL 313 - Expository Writing (W) 3 hours
- ENGL 491 - English Practicum 0-3 hours (3 hours required)
  - OR ENGL 493 - English Internship 0-3 hours

### TOTAL 38 HOURS

### Required Cognates

- HMNT 205 - Arts and Ideas (IN-10) 3 hours
- HIST 374 - History of England (IN-6) (W) 3 hours
- Intermediate Foreign Language 6 hours

## ENGLISH, PROFESSIONAL/WRITING CONCENTRATION, B.A.

The Professional/Writing Concentration prepares students to apply critical thinking and writing skills to a variety of professional writing settings in which clear, cohesive writing is a necessity. Students will read and write a wide range of texts in both print and digital media necessary for jobs across a spectrum of professions. To gain experience writing for the marketplace, students in this concentration will complete an internship with a professional organization such as public relations firms, educational institutions, business, and media.

Major	41
Cognates	7
Minor	18
General Education	42
Elementary Foreign Language*	0-6
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

### Required Courses

- ELIT 214 - Survey of American Literature (IN-10) 3 hours
- ELIT 215 - Survey of English Literature (IN-10) 3 hours
- ELIT 216 - Approaches to Literature (IN-10) 3 hours
- ELIT 445 - Ancient Classics (IN-10) (W) 3 hours
- ELIT 490 - Senior Capstone 1 hour
- ENGL 150 - English Major Qualification 0 hours
- ENGL 202 - Grammar and Its Consequences (SERV-2) 3 hours
- ENGL 313 - Expository Writing (W) 3 hours
- ENGL 320 - Rhetoric: The Performance of Argument 3 hours
- ENGL 420 - Technical and Professional Writing 3 hours
- ENGL 460 - Senior Research Project in English 1 hour
- ENGL 306 - Creative Writing: Literary Nonfiction (W) 3 hours
  - OR ENGL 307 - Creative Writing: Fiction (W) 3 hours
  - OR ENGL 308 - Creative Writing: Poetry (W) 3 hours
- ENGL 491 - English Practicum 0-3 hours (3 hours required)
  - OR ENGL 493 - English Internship 0-3 hours

### Select three (3) hours from the following literature courses:

- ELIT 323 - A Destiny in Reserve: American Classics of the Nineteenth Century (IN-10) (W) 3 hours
- ELIT 337 - A Beautiful Empire: British Classics of the Nineteenth Century (IN-10) (W) 3 hours
- ELIT 338 - Twentieth-Century Writers (IN-10) (W) 3 hours
- ELIT 342 - African American Literature (IN-10) (W) 3 hours
- ELIT 444 - Restoration, Revolution, and Reason: British Classics of the Eighteenth Century (1660-1800) (IN-10) (W) 3 hours
- ELIT 346 - Shakespeare (IN-10) (W) 3 hours
- ELIT 450 - You, Me, We: Identity, Society, Culture, and Politics in Contemporary Literature (W) 3 hours

### Select six (6) hours from the following courses:

- ENGL 306 - Creative Writing: Literary Nonfiction (W) 3 hours
- ENGL 307 - Creative Writing: Fiction (W) 3 hours
- ENGL 308 - Creative Writing: Poetry (W) 3 hours
- ENGL 414 - Mapping the Publication Maze 3 hours
- JOUR 313 - Publication Editing 3 hours
- JOUR 316 - Magazine and Feature Article Writing (W) 3 hours
- JOUR 356 - Investigative Reporting (W) 3 hours
- ARTG 115 - Introduction to Graphic Design 3 hours
  - OR JOUR 208 - Publication Tools and Techniques 3 hours

**TOTAL 41 HOURS**

\*Elementary Foreign Language or two years of foreign language in high school 0-6 hours

**Required Cognates**

- BUAD 412 - Preparing to Meet the Firms 1 hour
- JOUR 105 - Writing for the Media 3 hours
- JOUR 205 - News Reporting 3 hours

**ENGLISH, TEACHING LICENSURE, 6-12, B.A.**

This concentration combines the English major curriculum with the professional education requirements necessary for licensure, preparing graduates for teaching in middle school or at the secondary level.

A student planning to obtain a secondary teacher licensure will need to include the required Professional Education courses and additional General Education requirements in their program as outlined in the School of Education and Psychology section of this Catalog.

The student must apply for Initial Admission to the Teacher Education Program (usually by the end of the sophomore year) after completing all requirements as outlined under ADMISSION PROCEDURES in the School of Education and Psychology section of the Catalog. Initial admission is required before the student can enroll in upper division education courses.

The student must also complete an application and all other requirements for Admission to Student Teaching. Prior to student teaching, the student must take and pass the PRAXIS II licensure exam, both the appropriate section of the Principles of Learning and Teaching, and the particular specialty test(s) for the licensure area(s).

Major	37
Cognates	12
General Education	24
Professional Education	36
SDA Certification	14
Elective to = 124	—
<b>TOTAL</b>	<b>124</b>

**Required Courses**

- ELIT 214 - Survey of American Literature (IN-10) 3 hours
- ELIT 215 - Survey of English Literature (IN-10) 3 hours
- ELIT 216 - Approaches to Literature (IN-10) 3 hours
- ELIT 430 - Library Materials for Young Adults 2 hours
- ELIT 445 - Ancient Classics (IN-10) (W) 3 hours
- ELIT 463 - Literary Criticism 3 hours
- ELIT 490 - Senior Capstone 1 hour
- ENGL 150 - English Major Qualification 0 hours
- ENGL 202 - Grammar and Its Consequences (SERV-2) 3 hours
- ENGL 317 - Introduction to Linguistics 3 hours
- ENGL 460 - Senior Research Project in English 1 hour

**Select three (3) hours from the following:**

- ENGL 306 - Creative Writing: Literary Nonfiction (W) 3 hours
- ENGL 307 - Creative Writing: Fiction (W) 3 hours
- ENGL 308 - Creative Writing: Poetry (W) 3 hours
- ENGL 313 - Expository Writing (W) 3 hours

**Select nine (9) hours from the following:**

- ELIT 323 - A Destiny in Reserve: American Classics of the Nineteenth Century (IN-10) (W) 3 hours
- ELIT 332 - Studies in Medieval Literature (IN-10) (W) 3 hours

- ELIT 333 - Poets and Other Radicals of the English Renaissance (1485-1608) (IN-10) (W) 3 hours
- ELIT 337 - A Beautiful Empire: British Classics of the Nineteenth Century (IN-10) (W) 3 hours
- ELIT 338 - Twentieth-Century Writers (IN-10) (W) 3 hours
- ELIT 342 - African American Literature (IN-10) (W) 3 hours
- ELIT 346 - Shakespeare (IN-10) (W) 3 hours
- ELIT 417 - Intercultural Contexts: Literatures of Power, Place, and People (IN-10) (W) 3 hours
- ELIT 425 - Literature of the South (IN-10) (W) 3 hours
- ELIT 444 - Restoration, Revolution, and Reason: British Classics of the Eighteenth Century (1660-1800) (IN-10) (W) 3 hours
- ELIT 468 - Milton Seminar (IN-10) (W) 3 hours
- ELIT 450 - You, Me, We: Identity, Society, Culture, and Politics in Contemporary Literature (W) 3 hours
- ENGL 306 - Creative Writing: Literary Nonfiction (W) 3 hours
- OR ENGL 307 - Creative Writing: Fiction (W) 3 hours
- OR ENGL 308 - Creative Writing: Poetry (W) 3 hours
- OR ENGL 313 - Expository Writing (W) 3 hours
- ENGL 491 - English Practicum 0-3 hours (3 hours required)
- OR ENGL 493 - English Internship 0-3 hours
- TOTAL 37 HOURS**

### Required Cognates

- HIST 374 - History of England (IN-6) (W) 3 hours
- HMNT 205 - Arts and Ideas (IN-10) 3 hours
- Intermediate Foreign Language 6 hours

### Professional Education Requirements

- EDUC 138 - Introduction to and Foundations of Secondary Education 3 hours
- EDUC 201 - Teacher Education Candidacy 0 hours
- EDUC 317 - Teaching with Technology 2 hours
- EDUC 338 - Foundations of Inclusive Education (SERV-2) 3 hours
- EDUC 341 - General Methods and Assessment 3 hours
- EDUC 342 - Curriculum and Content Methods - Secondary 2 hours
- EDUC 343 - Learning Theories and Classroom Management 3 hours
- EDUC 419 - Philosophy and Leadership in Christian Education (W) (SERV-2) 3 hours
- EDUC 434 - Reading and Writing in the Content Areas 2 hours
- EDUC 464 - Teaching Seminar 2 hours
- EDUC 472 - Enhanced Student Teaching - Secondary (SERV-2) 10 hours
- PSYC 128 - Developmental Psychology (IN-8) 3 hours
- TOTAL 36 HOURS**

### SDA Certification

- HLED 173 - Health for Life 2 hours
- RELB/RELT - Biblical Studies/Theological Studies 3 hours
- REL - Upper division religion elective 3 hours
- RELT 138 - Adventist Heritage (R-2) 3 hours
- RELT 255 - Christian Beliefs (R-2) 3 hours
- TOTAL 14 HOURS**

## ENGLISH, TESOL CONCENTRATION, B.A.

With the preeminent position of English as a global language, numerous international opportunities exist for teachers with a practical understanding of linguistics, intercultural communication, and theories of second language acquisition. The teaching of English also provides an unparalleled platform for ministry, especially in contexts where formal missionary opportunities are limited or unavailable.



Since TESOL (Teaching English to Speakers of Other Languages) is a concentration within the English major, students will also be equipped for a number of other careers that require the ability to think analytically and creatively and communicate effectively. With its emphasis on cross-cultural communication, the concentration serves as a starting point for students aiming at careers in the following areas:

- International business
- Non-profit and development
- Human resources
- Civil service
- International and immigration law

Major	41
Cognates	9
Minor	18
General Education	39-42
Electives to =	124
<b>TOTAL</b>	<b>124</b>

### Required Courses

- ELIT 214 - Survey of American Literature (IN-10) 3 hours
- ELIT 215 - Survey of English Literature (IN-10) 3 hours
- ELIT 216 - Approaches to Literature (IN-10) 3 hours
- ELIT 417 - Intercultural Contexts: Literatures of Power, Place, and People (IN-10) (W) 3 hours
- ELIT 430 - Library Materials for Young Adults 2 hours
- ELIT 445 - Ancient Classics (IN-10) (W) 3 hours
- ELIT 490 - Senior Capstone 1 hour
- ENGL 150 - English Major Qualification 0 hours
- ENGL 202 - Grammar and Its Consequences (SERV-2) 3 hours
- ENGL 301 - English as a Second Language: Issues and Trends 3 hours
- ENGL 302 - English as a Second Language: Strategies and Methods 3 hours
- ENGL 317 - Introduction to Linguistics 3 hours
- ENGL 460 - Senior Research Project in English 1 hour
- ENGL 476 - Practicum: English as a Second Language 1 hour
- OR EDUC 476 - Practicum: English as a Second Language 1 hour

### Select three (3) hours from the following:

- ENGL 306 - Creative Writing: Literary Nonfiction (W) 3 hours
- ENGL 307 - Creative Writing: Fiction (W) 3 hours
- ENGL 308 - Creative Writing: Poetry (W) 3 hours
- ENGL 313 - Expository Writing (W) 3 hours

### Select three (3) hours from the following English courses:

- ELIT 323 - A Destiny in Reserve: American Classics of the Nineteenth Century (IN-10) (W) 3 hours
- ELIT 332 - Studies in Medieval Literature (IN-10) (W) 3 hours
- ELIT 333 - Poets and Other Radicals of the English Renaissance (1485-1608) (IN-10) (W) 3 hours
- ELIT 335 - The Bible as Literature (IN-10) (W) 3 hours
- ELIT 337 - A Beautiful Empire: British Classics of the Nineteenth Century (IN-10) (W) 3 hours
- ELIT 338 - Twentieth-Century Writers (IN-10) (W) 3 hours
- ELIT 342 - African American Literature (IN-10) (W) 3 hours
- ELIT 346 - Shakespeare (IN-10) (W) 3 hours
- ELIT 425 - Literature of the South (IN-10) (W) 3 hours
- ELIT 444 - Restoration, Revolution, and Reason: British Classics of the Eighteenth Century (1660-1800) (IN-10) (W) 3 hours

- ELIT 450 - You, Me, We: Identity, Society, Culture, and Politics in Contemporary Literature (W) 3 hours  
 ELIT 463 - Literary Criticism 3 hours  
 ELIT 468 - Milton Seminar (IN-10) (W) 3 hours  
 ENGL 306 - Creative Writing: Literary Nonfiction (W) 3 hours  
   OR ENGL 307 - Creative Writing: Fiction (W) 3 hours  
   OR ENGL 308 - Creative Writing: Poetry (W) 3 hours  
   OR ENGL 313 - Expository Writing (W) 3 hours

**Select three (3) hours from the following cultural courses:**

- INDV 250 - Cross-Cultural Experience 3 hours  
 HIST 356 - Race, Ethnicity, and Immigration in American History (IN-6) (W) 3 hours  
 SOCI 150 - Cultural Anthropology 3 hours  
 SOCI 230 - Multicultural Relations 3 hours

**TOTAL 41 HOURS**

**Required Cognates**

- COMM 330 - Intercultural Communication (W) 3 hours  
 Intermediate Foreign Language (may be waived with proficiency) 6 hours

**English as a Second Language Program (EESL)**

The English as a Second Language Program is designed to help students whose native language is not English develop the English skills needed for success in the university's regular academic programs. These skills include reading, writing, grammar, and other study skills specific to the American educational environment. Students whose TOEFL scores are between 45-79 (Internet-based test) or whose English ACT score is below 18, as demonstrated by a test taken in the last 12 months, must enroll in the EESL program. Students may not advance into the regular first-year writing sequence until they have achieved an ACT of 18 (SAT 450) or have permission of the instructor upon completion of ENGL 100.

Students who have not met the exit requirements must register for one to three courses in the EESL program, and additional credit outside the EESL program, as approved by the EESL adviser, not to exceed a total load of 13 hours. The number of EESL courses required for a given student can be determined as follows:

- A student with a TOEFL IBT score of less than 60 (500 PBT) who is new to the university should register for three EESL courses. Students with scores over 60 may register for one to two EESL courses.
- With the approval of the EESL adviser, a student who has already completed a semester of the EESL program may register for one OR two EESL courses, depending on test scores and performance in EESL classes. ENGL 100 may meet this requirement.

**Courses Offered**

- EESL 127 - Grammar for English Language Learners I 3 hours  
 EESL 128 - Grammar for English Language Learners 2 3 hours  
 EESL 137 - Writing for English Language Learners I 3 hours  
 EESL 138 - Writing for English Language Learners 2 3 hours  
 EESL 147 - Reading and Critical Thinking for Academic Purposes I 3 hours  
 EESL 148 - Reading and Critical Thinking for Academic Purposes 2 3 hours  
 EESL 157 - Oral Skills for Academic Purposes I 3 hours  
 EESL 158 - Oral Skills for Academic Purposes 2 3 hours  
 ENGL 100 - Fundamentals of Critical Thinking in Reading and Writing 3 hours

## English, Teaching Endorsement

Students certified in another content area who also seeks endorsement for teaching English must take the following classes:

### Required Courses

- EDUC 342 - Curriculum and Content Methods - Secondary 2 hours
- ELIT 214 - Survey of American Literature (IN-10) 3 hours
- ELIT 215 - Survey of English Literature (IN-10) 3 hours
- ELIT 216 - Approaches to Literature (IN-10) 3 hours
- ELIT 430 - Library Materials for Young Adults 2 hours
- ELIT 445 - Ancient Classics (IN-10) (W) 3 hours
- ENGL 317 - Introduction to Linguistics 3 hours

### Select three (3) hours from the following:

- ENGL 306 - Creative Writing: Literary Nonfiction (W) 3 hours
- ENGL 307 - Creative Writing: Fiction (W) 3 hours
- ENGL 308 - Creative Writing: Poetry (W) 3 hours
- ENGL 313 - Expository Writing (W) 3 hours

**TOTAL 22 HOURS**

## ENGLISH MINOR

The English Minor is designed to provide students with a broad familiarity of core English skills, including literature, language, and writing. The world needs communicators, writers of high quality, and critical thinkers with developed imaginations. All of these skills are practiced and refined through the collaborative study of an English minor.

### Required Courses

- ELIT 216 - Approaches to Literature (IN-10) 3 hours
- ELIT/ENGL UD Electives (except ELIT 340 ) 6 hours
- ELIT 214 - Survey of American Literature (IN-10) 3 hours
  - OR ELIT 215 - Survey of English Literature (IN-10) 3 hours
- ENGL 202 - Grammar and Its Consequences (SERV-2) 3 hours
  - OR ENGL 317 - Introduction to Linguistics 3 hours

### Select three (3) hours from the following:

- ENGL 306 - Creative Writing: Literary Nonfiction (W) 3 hours
- ENGL 307 - Creative Writing: Fiction (W) 3 hours
- ENGL 308 - Creative Writing: Poetry (W) 3 hours
- ENGL 313 - Expository Writing (W) 3 hours

**TOTAL 18 HOURS**

## TESOL MINOR

With the preeminent position of English as a global language, numerous international opportunities exist for teachers with a practical understanding of linguistics, intercultural communication, and theories of second language acquisition. The teaching of English also provides an unparalleled platform for ministry, especially in contexts where formal missionary opportunities are limited or unavailable.

A TESOL (Teaching English to Speakers of Other Languages) minor is a valuable option for students on the Southern campus who have chosen majors in international business, non-profit management, global policy and service, communication studies with an intercultural emphasis, international studies, and missions.

**Required Courses**

ENGL 202 - Grammar and Its Consequences (SERV-2) 3 hours  
 ENGL 301 - English as a Second Language: Issues and Trends 3 hours  
 ENGL 302 - English as a Second Language: Strategies and Methods 3 hours  
 ENGL 317 - Introduction to Linguistics 3 hours  
 ENGL 476 - Practicum: English as a Second Language 1 hour  
 UD ELIT/ENGL Electives (except ELIT 340) 5-8 hours  
**TOTAL 18 HOURS**

**WRITING MINOR****Required Courses**

With the dominance of written communication in a world of letters, emails, texts, and tweets, good writing skills cross every discipline and can help or hinder job placement and effectiveness. A minor in writing is a valuable option that augments any major.

ENGL 202 - Grammar and Its Consequences (SERV-2) 3 hours  
 ENGL 220 - Creative Writing: Tools of the Craft (IN-10) 3 hours  
 ENGL 320 - Rhetoric: The Performance of Argument 3 hours  
 ENGL 420 - Technical and Professional Writing 3 hours

**Select six (6) hours from the following:**

ENGL 306 - Creative Writing: Literary Nonfiction (W) 3 hours  
 ENGL 307 - Creative Writing: Fiction (W) 3 hours  
 ENGL 308 - Creative Writing: Poetry (W) 3 hours  
 ENGL 313 - Expository Writing (W) 3 hours  
 ENGL 414 - Mapping the Publication Maze 3 hours  
**TOTAL 18 HOURS**

# History and Political Studies

**Chair:** Lisa Clark Diller

**Faculty:** Kevin Burton, Lisa Clark Diller, Shannon Martin, Mark Peach, Michael Weismeyer

**Program Coordinator (History):** Lisa Clark Diller

**Program Coordinator (INDV):** Shannon Martin

## History

The disciplines of history, political science, and international development focus on the human experience in the past and present. We investigate humankind's ideas, institutions, and activities. At Southern Adventist University, we do this with the understanding that humans, while flawed because of sin, are created in God's image and are, therefore, worthy of remembering and studying. This perspective recognizes both the potential and the limitation of human endeavor. We work to comprehend the past and present with hope for the future. We seek to equip our students with cultural and political understanding as well as practical skills so they can enter the global arena and work with compassion for a world in need.

## Planning Your Major

History majors have a large amount of flexibility within their course of study. All majors should work closely with their academic adviser to plan for maximizing their educational time through judicious choices of classes, second majors and/or minors. Academic advisers are also a good source of wisdom in regard to thinking about employment after graduation and/or the pursuit of graduate school degrees.

## Description of Political Studies

The mission of the International Development Studies program (formerly Global Policy and Service) is to provide students with a greater understanding of the politics of the global arena and to enable students to develop practical skills to serve intelligently and with cultural sensitivity, fostering the compassion of Jesus in a world of desperate need.

## Pre-med, Pre-dent, Pre-law Preparation

Our majors are outstanding preparation for professional schools, and many of our alumni go on to medical, dental, and law school. We work with students to make sure they have the courses needed for the MCAT, DA and LSAT.

## Assessment

### Departmental Policies

1. A maximum of three hours for the majors or minors may be earned through AP or CLEP.
2. Nine hours are taken in residence.
3. Each fall all seniors graduating that school year must take an oral departmental exam within the first three weeks of the semester. It is graded on an A,B,C,F basis. Honors is granted to students who achieve over a 95 on the rubric.
4. All students must attend one professional conference before graduation.
5. All majors must have language competency through the intermediate level. This will often entail four semesters of language training; however, students who come in with some language experience or coursework may be able to test into a higher level and take fewer classes. We highly recommend studying abroad for the intermediate level, either for a summer, a semester, or an entire year. American Sign Language does not fulfill the language requirements.

## All Majors

Assessment of seniors consists of two parts. First, in late fall semester of their senior year students (history majors only) will take a national standardized major field exam in history. Second, at the beginning of the fall semester seniors will take a departmental exam. Preparation for this exam will constitute: 1) reading a selected few classics of historical literature; 2) reviewing one's major area course work utilizing several thematic questions provided by their major faculty; 3) creating a comprehensive c.v. detailing the student's undergraduate experience. The subsequent examination will be in the form of a one-hour interview of the candidate by the history faculty. The oral examination is graded on an A, B, C, F basis. Honors is granted to students scoring better than ninety-five. A failure requires further preparation by the student and another interview before graduation.

Upper-division major area classes seek to improve skills of writing and speech. All such classes require analytical writing as part of the course work. Additionally, many classes involve discussion and oral class reports as partial basis for the student's grade, most notably Research Methods, which requires all majors to give an extended formal presentation of student research.

**History and Political Studies as a preprofessional degree:** A student majoring in history, political science, or international development studies who plans to enter a professional school in an area such as medicine or law must present a balanced program of general education classes and electives that will support the professional objectives.

**History and Political Studies Department tours:** The Department regularly sponsors study tours. The purpose of these tours is to provide students and other participants with an enhanced understanding of history, politics, and culture through a combination of traditional lecture and reading with direct observation of cultural sites. Academic activities connected with the tours require students to spend an amount of time equal to that expected in a regular classroom setting. Preparatory meetings and assigned reading are included in this computation. Course credit is offered under HIST 294/HIST 494 for International Tours and HIST 296/HIST 496 for U.S. Tours. Cost of the tours includes charge for academic credit. Up to six hours of departmental tour credit may count toward the history major or minor.

**As general education:** Freshman and sophomore students earning general education credit in history and political studies normally take courses from the 100 and 200 level. Junior and senior students meeting General Education requirements in history should select courses from the 300 and 400 level.

## HISTORY, B.A.

Major	34
Cognates	9
Minor	18
General Education	42
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

### Required Courses

- HIST 154 - U.S. History through the Civil War (IN-6) 3 hours
- HIST 155 - U.S. History since the Civil War (IN-6) 3 hours
- HIST 174 - World Societies to 1500 (IN-6) 3 hours
- HIST 175 - World Societies since 1500 (IN-6) 3 hours
- HIST 298 - Historiography (SERV-2) 3 hours
- HIST 450 - History Seminar 3 hours
- HIST 490 - Senior Exam Preparation 1 hour
- HIST 497 - Research Methods in History (W) 3 hours

### Additional Requirements

Of the remaining four courses required, at least three courses must be upper division.

**Select six (6) hours from the following:**

**(American History)**

- HIST 351 - Colonial Latin America (IN-6) (W) 3 hours
- HIST 353 - From Colony to Nation (IN-6) (W) 3 hours
- HIST 355 - History of the South (IN-6) (W) 3 hours
- HIST 356 - Race, Ethnicity, and Immigration in American History (IN-6) (W) 3 hours
- HIST 357 - Modern America (IN-6) (W) 3 hours
- HIST 359 - Transformation of American Culture (W) 3 hours
- HIST 465 - Topics in History [465 typically qualifies as a (W) course] 3 hours
- PLSC 254 - American National and State Government 3 hours
- PLSC 353 - From Colony to Nation (W) 3 hours
- PLSC 357 - Modern America (W) 3 hours
- HIST 379 - American Foreign Policy 3 hours
- OR PLSC 379 - American Foreign Policy 3 hours

**Select six (6) hours from the following:**

**(Non-American)**

- HIST 345 - Middle Eastern Politics and History (IN-6) (W) 3 hours
- HIST 372 - Modern China 3 hours
- HIST 374 - History of England (IN-6) (W) 3 hours
- HIST 375 - Ancient Mediterranean World (IN-6) (W) 3 hours
- HIST 380 - Pirates, Captives, and Slaves in the Early Modern World (IN-6) (W) 3 hours
- HIST 386 - Medieval Europe (IN-6) (W) 3 hours
- HIST 387 - Europe in the Nineteenth Century (IN-6) (W) 3 hours
- HIST 388 - Contemporary Europe (IN-6) (W) 3 hours
- HIST 389 - History of the Holocaust (W) 3 hours
- HIST 465 - Topics in History [465 typically qualifies as a (W) course] 3 hours
- HIST 471 - Western Political Thought through the Renaissance (W) 3 hours
- HIST 472 - Western Political Thought since the Renaissance (W) 3 hours
- PLSC 345 - Middle Eastern Politics and History (W) 3 hours
- PLSC 388 - Contemporary Europe (W) 3 hours
- PLSC 471 - Western Political Thought through the Renaissance (W) 3 hours
- PLSC 472 - Western Political Thought since the Renaissance (W) 3 hours
- HIST 364 - Christian Church I: From the Early Church Through the Middle Ages (IN-6) (W) 3 hours
- OR HIST 365 - Christian Church II: From the Reformation Through the Twentieth Century (IN-6) (W) 3 hours
- HIST 363 - Christian Church I: From the Early Church Through the Middle Ages (IN-6) 3 hours
- OR HIST 366 - Christian Church II: From the Reformation Through the Twentieth Century (IN-6) 3 hours

**TOTAL 34 HOURS**

**Required Cognates**

Intermediate Level of Foreign Language (ASL does not apply) 6 hours

**Select three (3) hours from the following:**

- ECON 213 - Survey of Economics (IN-9) 3 hours
- GEOG 204 - World Geography (SERV-2) 3 hours
- INDV 360 - Political Economy 3 hours

**EUROPEAN STUDIES CONCENTRATION**

Major	33
Cognates/Minor at ACA	18
General Education	42
Electives to =124	

**TOTAL 124**

In addition to completing the above-described program for the history major, a student must: 1) complete an additional three hours of upper-division European history; 2)

complete as a cognate requirement a minor or a major in a modern European foreign language (including a summer, a semester, or a year of study abroad in an ACA program).

**TOTAL 33 HOURS**

**HISTORY, TEACHING LICENSURE HISTORY/GOVERNMENT 6-12, B.A.**

Major	31
Cognates	15
General Education	30
Professional Education	36
SDA Certification	14
<b>TOTAL</b>	<b>126</b>

**Required Courses**

- HIST 154 - U.S. History through the Civil War (IN-6) 3 hours
- HIST 155 - U.S. History since the Civil War (IN-6) 3 hours
- HIST 174 - World Societies to 1500 (IN-6) 3 hours
- HIST 175 - World Societies since 1500 (IN-6) 3 hours
- HIST 298 - Historiography (SERV-2) 3 hours
- HIST 490 - Senior Exam Preparation 1 hour
- HIST 497 - Research Methods in History (W) 3 hours

**Additional Requirements**

Of the remaining 12 hours, two from American and two from non-American courses, 6 hours of which should be PLSC and 6 hours should be from HIST.

**Select six (6) hours from the following:**

**(American History)**

- HIST 265 - Topics in History 3 hours
- HIST 351 - Colonial Latin America (IN-6) (W) 3 hours
- HIST 353 - From Colony to Nation (IN-6) (W) 3 hours
- HIST 355 - History of the South (IN-6) (W) 3 hours
- HIST 356 - Race, Ethnicity, and Immigration in American History (IN-6) (W) 3 hours
- HIST 357 - Modern America (IN-6) (W) 3 hours
- HIST 359 - Transformation of American Culture (W) 3 hours
- HIST 465 - Topics in History [465 typically qualifies as a (W) course] 3 hours
- PLSC 353 - From Colony to Nation (W) 3 hours
- PLSC 357 - Modern America (W) 3 hours
- HIST 379 - American Foreign Policy 3 hours
- OR PLSC 379 - American Foreign Policy 3 hours

**Select six (6) hours from the following:**

**(Non-American History)**

- HIST 265 - Topics in History 3 hours
- HIST 345 - Middle Eastern Politics and History (IN-6) (W) 3 hours
- HIST 363 - Christian Church I: From the Early Church Through the Middle Ages (IN-6) 3 hours
- HIST 364 - Christian Church I: From the Early Church Through the Middle Ages (IN-6) (W) 3 hours
- HIST 365 - Christian Church II: From the Reformation Through the Twentieth Century (IN-6) (W) 3 hours
- HIST 366 - Christian Church II: From the Reformation Through the Twentieth Century (IN-6) 3 hours
- HIST 372 - Modern China 3 hours
- HIST 374 - History of England (IN-6) (W) 3 hours
- HIST 375 - Ancient Mediterranean World (IN-6) (W) 3 hours
- HIST 380 - Pirates, Captives, and Slaves in the Early Modern World (IN-6) (W) 3 hours



HIST 386 - Medieval Europe (IN-6) (W) 3 hours  
 HIST 387 - Europe in the Nineteenth Century (IN-6) (W) 3 hours  
 HIST 388 - Contemporary Europe (IN-6) (W) 3 hours  
 HIST 389 - History of the Holocaust (W) 3 hours  
 HIST 465 - Topics in History [465 typically qualifies as a (W) course] 3 hours  
 HIST 471 - Western Political Thought through the Renaissance (W) 3 hours  
 HIST 472 - Western Political Thought since the Renaissance (W) 3 hours  
 PLSC 345 - Middle Eastern Politics and History (W) 3 hours  
 PLSC 388 - Contemporary Europe (W) 3 hours  
 PLSC 471 - Western Political Thought through the Renaissance (W) 3 hours  
 PLSC 472 - Western Political Thought since the Renaissance (W) 3 hours

**TOTAL 30 HOURS**

The student must apply for Initial Admission to the Teacher Education Program (usually by the end of the sophomore year) after completing all requirements as outlined under **ADMISSION PROCEDURES** in the School of Education and Psychology section of the Catalog. Initial admission is required before the student can enroll in upper division education courses.

The student must also complete an application and all other requirements for Admission to Student Teaching. Prior to student teaching, the student must take and pass the PRAXIS II licensure exam—both the appropriate section of the Principles of Learning and Teaching, and the particular specialty test(s) for the licensure area(s).

**Required Cognates**

Intermediate Level of Foreign Language (ASL does not apply) 3-6 hours  
 ECON 213 - Survey of Economics (IN-9) 3 hours  
 GEOG 204 - World Geography (SERV-2) 3 hours  
 PLSC 254 - American National and State Government 3 hours

**Professional Education Requirements**

EDUC 138 - Introduction to and Foundations of Secondary Education 3 hours  
 EDUC 201 - Teacher Education Candidacy 0 hours  
 EDUC 317 - Teaching with Technology 2 hours  
 EDUC 338 - Foundations of Inclusive Education (SERV-2) 3 hours  
 EDUC 341 - General Methods and Assessment 3 hours  
 EDUC 342 - Curriculum and Content Methods - Secondary 2 hours  
 EDUC 343 - Learning Theories and Classroom Management 3 hours  
 EDUC 419 - Philosophy and Leadership in Christian Education (W) (SERV-2) 3 hours  
 EDUC 434 - Reading and Writing in the Content Areas 2 hours  
 EDUC 464 - Teaching Seminar 2 hours  
 EDUC 472 - Enhanced Student Teaching - Secondary (SERV-2) 10 hours  
 PSYC 128 - Developmental Psychology (IN-8) 3 hours

**TOTAL 36 HOURS****SDA Certification**

HLED 173 - Health for Life 2 hours  
 RELB/RELT Biblical Studies/Theological Studies 3 hours  
 REL - Upper division religion elective 3 hours  
 RELT 138 - Adventist Heritage (R-2) 3 hours  
 RELT 255 - Christian Beliefs (R-2) 3 hours

**TOTAL 14 HOURS****INTERNATIONAL DEVELOPMENT STUDIES, B.A.**

Major	46-47
Minor	18
General Education	45

Electives to = 124

**TOTAL 124****Required Courses**

GEOG 204 - World Geography (SERV-2) 3 hours  
 INDV 110 - Human Rights and Service (SERV-2) 3 hours  
 INDV 220 - International Relations and Global Politics 3 hours  
 INDV 320 - Issues in Development and Ethics 2 hours  
 INDV 350 - Sustainability Agriculture (SERV-2) 3 hours  
 INDV 360 - Political Economy 3 hours  
 INDV 370 - Policies in Global Health (W) 3 hours  
 INDV 490 - Oral Exam 1 hour  
 INDV 498 - Senior Capstone (0-1 hours)  
 Intermediate Foreign Language 6 hours  
 PSYC 297 - Research Design and Statistics I 3 hours  
 PSYC 498 - Research Design and Statistics II (W) 4 hours  
 COMM 330 - Intercultural Communication (W) 3 hours  
     OR INDV 482 - International Development and Cultural Integration 3 hours  
     OR SOCI 150 - Cultural Anthropology 3 hours  
 INDV 291 - Practicum 3 hours  
     OR INDV 491 - Practicum 3 hours

**Select six (6 hours) from the following:**

ECON 225 - Principles of Microeconomics 3 hours  
 INDV 230 - International Organizations in International Development 3 hours  
 HIST 372 - Modern China 3 hours  
 PLSC 224 - Principles of Macroeconomics 3 hours  
 PLSC 254 - American National and State Government 3 hours  
 PLSC 260 - Comparative Politics 3 hours  
 PLSC 345 - Middle Eastern Politics and History (W) 3 hours  
 PLSC 379 - American Foreign Policy 3 hours

**TOTAL 46-47 HOURS****Recommended Courses**

HIST 175 - World Societies since 1500 (IN-6) 3 hours  
 HIST 351 - Colonial Latin America (IN-6) (W) 3 hours  
 HIST 372 - Modern China 3 hours  
 PLSC 224 - Principles of Macroeconomics 3 hours  
 PLSC 254 - American National and State Government 3 hours  
 PLSC 345 - Middle Eastern Politics and History (W) 3 hours  
 PLSC 379 - American Foreign Policy 3 hours

**POLITICAL SCIENCE, B.A.**

Major	35-39
Cognate	6
Minor	18
General Education	42-45
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

**Required Courses**

GEOG 204 - World Geography (SERV-2) 3 hours  
 INDV 220 - International Relations and Global Politics 3 hours  
 PLSC 254 - American National and State Government 3 hours  
 PLSC 260 - Comparative Politics 3 hours  
 PLSC 490 - Oral Exam 1 hour  
 PLSC 491 - Political Science Practicum 0-3 hours [3 hours maximum]

- PLSC 498 - Senior Capstone (0-1 hours)
- PSYC 297 - Research Design and Statistics I 3 hours
- PSYC 498 - Research Design and Statistics II (W) 4 hours

**Select three (3) hours from the following:**

- HIST 471 - Western Political Thought through the Renaissance (W) 3 hours
- HIST 472 - Western Political Thought since the Renaissance (W) 3 hours
- PLSC 471 - Western Political Thought through the Renaissance (W) 3 hours
- PLSC 472 - Western Political Thought since the Renaissance (W) 3 hours

**SUBTOTAL 23-27 HOURS**

**Select two areas and take six (6 hours) from each area:**

**Political Theory and Economy**

- INDV 360 - Political Economy 3 hours
- PLSC 224 - Principles of Macroeconomics 3 hours
- +HIST 471 - Western Political Thought through the Renaissance (W) 3 hours
  - OR HIST 472 - Western Political Thought since the Renaissance (W) 3 hours
  - OR +PLSC 471 - Western Political Thought through the Renaissance (W) 3 hours
  - OR PLSC 472 - Western Political Thought since the Renaissance (W) 3 hours

**American Politics**

- HIST 265 - Topics in History 3 hours
- HIST 353 - From Colony to Nation (IN-6) (W) 3 hours
- HIST 355 - History of the South (IN-6) (W) 3 hours
- HIST 356 - Race, Ethnicity, and Immigration in American History (IN-6) (W) 3 hours
- HIST 359 - Transformation of American Culture (W) 3 hours
- PLSC 310 - Moot Court 1 hour
- PLSC 320 - Tennessee Intercollegiate State Legislature 1 hour
- PLSC 357 - Modern America (W) 3 hours
- PLSC 330 - Introduction to United States Constitutional Law 3 hours
- + PLSC 379 - American Foreign Policy 3 hours

**International Relations**

- + INDV 110 - Human Rights and Service (SERV-2) 3 hours
- INDV 350 - Sustainability Agriculture (SERV-2) 3 hours
- INDV 360 - Political Economy 3 hours
- INDV 370 - Policies in Global Health (W) 3 hours
- HIST 351 - Colonial Latin America (IN-6) (W) 3 hours
- HIST 380 - Pirates, Captives, and Slaves in the Early Modern World (IN-6) (W) 3 hours
- PLSC 265 - Topics in Political Science 1-3 hours
- PLSC 345 - Middle Eastern Politics and History (W) 3 hours
- PLSC 372 - Modern China 3 hours
- PLSC 388 - Contemporary Europe (W) 3 hours

**Comparative Politics**

- HIST 351 - Colonial Latin America (IN-6) (W) 3 hours
- HIST 374 - History of England (IN-6) (W) 3 hours
- HIST 375 - Ancient Mediterranean World (IN-6) (W) 3 hours
- HIST 387 - Europe in the Nineteenth Century (IN-6) (W) 3 hours
- PLSC 388 - Contemporary Europe (W) 3 hours
- +\* PLSC 345 - Middle Eastern Politics and History (W) 3 hours
  - OR +\* PLSC 372 - Modern China 3 hours

**SUBTOTAL 12 HOURS FROM TWO AREAS**

**TOTAL 35-39 HOURS**

*+Required for this concentration*

*\*Both can be taken to complete this elective*

**Required Cognate**

Intermediate Foreign Language (ASL does not apply) 6 hours

**Recommended Courses**

ECON 224 - Principles of Macroeconomics 3 hours  
 PLSC 224 - Principles of Macroeconomics 3 hours  
 JOUR 265 - Topics in Communication 1-3 hours  
 JOUR 465 - Topics in Communication 1-3 hours

**HISTORY MINOR****Required Courses**

HIST 154 - U.S. History through the Civil War (IN-6) 3 hours  
 OR HIST 155 - U.S. History since the Civil War (IN-6) 3 hours  
 HIST 174 - World Societies to 1500 (IN-6) 3 hours  
 OR HIST 175 - World Societies since 1500 (IN-6) 3 hours

**TOTAL 18 HOURS**

The additional 12 hours will be chosen from any other HIST courses; 6 hours of which must be upper division. Three hours of PLSC may be taken in lieu of an HIST course.

**INTERNATIONAL RELATIONS MINOR****Required Courses**

INDV 220 - International Relations and Global Politics 3 hours  
 INDV 360 - Political Economy 3 hours  
 PLSC 260 - Comparative Politics 3 hours

**Select nine (9) hours from the following: (only three (3) hours may come from outside of INDV/ GEOG/PLSC courses)**

BUAD 493 - International Business Communications (W) 3 hours  
 FNCE 425 - International Finance 3 hours  
 GEOG 204 - World Geography (SERV-2) 3 hours  
 INDV 110 - Human Rights and Service (SERV-2) 3 hours  
 INDV 350 - Sustainability Agriculture (SERV-2) 3 hours  
 INDV 370 - Policies in Global Health (W) 3 hours  
 MGNT 364 - International Business and Economics 3 hours  
 MGNT 368 - Multicultural Management 3 hours  
 PLSC 254 - American National and State Government 3 hours  
 PLSC 379 - American Foreign Policy 3 hours  
 HIST 345 - Middle Eastern Politics and History (IN-6) (W) 3 hours  
 OR PLSC 345 - Middle Eastern Politics and History (W) 3 hours  
 HIST 372 - Modern China 3 hours  
 OR PLSC 372 - Modern China 3 hours  
 HIST 388 - Contemporary Europe (IN-6) (W) 3 hours  
 OR PLSC 388 - Contemporary Europe (W) 3 hours

**TOTAL 18 HOURS****LEGAL STUDIES MINOR**

As preparation for law school entry and success, the following minor is recommended in keeping with the American Bar Association list of Core Skills, Value, Knowledge, and Experience for pre-law students. The ABA suggests these pre-law components:

1. Problem solving
2. Critical reading
3. Writing and editing

4. Oral communication
5. Research
6. Organization and management
7. Public service and promotion of justice
8. Relationship-building and collaboration
9. Background knowledge
10. Exposure to the law

**Required Courses**

- BUAD 339 - Business Law 3 hours
- PLSC 254 - American National and State Government 3 hours
- PLSC 330 - Introduction to United States Constitutional Law 3 hours
- PLSC 491 - Political Science Practicum 0-3 hours
- ENGL 313 - Expository Writing (W) 3 hours
- OR PLSC 450 - Legal Writing and Research 3 hours

**Select three (3) hours from the following:**

- HIST 374 - History of England (IN-6) (W) 3 hours
- PLSC 353 - From Colony to Nation (W) 3 hours
- PLSC 357 - Modern America (W) 3 hours
- PLSC 471 - Western Political Thought through the Renaissance (W) 3 hours
- PLSC 472 - Western Political Thought since the Renaissance (W) 3 hours

**Select three (3) hours from the following:**

- ACCT 456 - Federal Taxation 3 hours
- BUAD 358 - Ethical, Social, and Legal Environment of Business (W) 3 hours
- COMM 427 - Mass Media Law and Ethics 3 hours
- HMNT 211 - Introduction to Philosophy 3 hours
- INDV 110 - Human Rights and Service (SERV-2) 3 hours
- INDV 220 - International Relations and Global Politics 3 hours
- INDV 320 - Issues in Development and Ethics 2 hours
- INDV 360 - Political Economy 3 hours
- MATH 219 - Set Theory and Logic 3 hours
- MGNT 344 - Human Resource Management 3 hours
- PLSC 103 - Trial Advocacy Basics 1 hour
- PLSC 260 - Comparative Politics 3 hours
- PLSC 310 - Moot Court 1 hour
- PLSC 320 - Tennessee Intercollegiate State Legislature 1 hour

**TOTAL 18-21 HOURS**

## **POLITICAL SCIENCE MINOR**

This minor provides opportunity for students to gain practical experience in governmental work as part of an academic program. Internships are intended to give intensive exposure to state or federal government or to public advocacy work.

**Required Courses**

- INDV 220 - International Relations and Global Politics 3 hours
- PLSC 254 - American National and State Government 3 hours
- PLSC 260 - Comparative Politics 3 hours

**Select nine (9) hours from the following:**

- PLSC/INDV - Any PLSC OR INDV courses (6 hours must be UD) and only 3 hours can come from PLSC 491 9 hours

**TOTAL 18 HOURS**

## WESTERN PHILOSOPHY AND CULTURE MINOR

### Required Courses

ELIT 445 - Ancient Classics (IN-10) (W) 3 hours

HMNT 205 - Arts and Ideas (IN-10) 3 hours

HMNT 211 - Introduction to Philosophy 3 hours

HIST 471 - Western Political Thought through the Renaissance (W) 3 hours

OR HIST 472 - Western Political Thought since the Renaissance (W) 3 hours

### Select six (6) hours from the following:

ELIT 463 - Literary Criticism 3 hours

ELIT 417 - Intercultural Contexts: Literatures of Power, Place, and People (IN-10) (W) 3 hours

PLSC 254 - American National and State Government 3 hours

RELB 481 - David, Solomon, and the Archaeology of State Formation (R-3) (R-4) (W) 3 hours

RELT 467 - Christian Philosophy and Worldviews (R-4) (W) 3 hours

ARTH 335 - Medieval, Renaissance, and Late Baroque Art History (IN-10) (W) 3 hours

OR ARTH 325 - Ancient Through Early Christian Art History (IN-10) (W) 3 hours

HIST 471 - Western Political Thought through the Renaissance (W) 3 hours

OR PLSC 471 - Western Political Thought through the Renaissance (W) 3 hours

HIST 472 - Western Political Thought since the Renaissance (W) 3 hours

OR PLSC 472 - Western Political Thought since the Renaissance (W) 3 hours

PHYS 317 - Issues in Physical Science and Religion 3 hours

OR RELT 317 - Issues in Physical Science and Religion (R-4) 3 hours

**TOTAL 18 HOURS**

# Interdisciplinary

**Program Coordinator:** Dionne Felix

The student-designed major is an interdisciplinary program available to any student who wishes to develop a more individualized program of study than those provided by existing majors. It is a coherent program of study that crosses disciplinary lines. One of the major disciplines must be chosen as the primary discipline to provide a coherent focus for the major. In planning the interdisciplinary major, the student selects an advisory committee of three faculty members, two from the primary discipline (including the department/school chair or dean) and one of the secondary disciplines. The Associate Vice-President of Academic Administration also serves on the advisory committee.

All students interested in developing an interdisciplinary major or in applying to the major must meet with the Associate Vice-President of Academic Administration. The requirements are intended to ensure that the interdisciplinary major is integrally related to the goals of a liberal arts education and appropriately reflect the disciplines involved. Each course of study is approved only on a case-by-case basis.

Interdisciplinary major is a privilege granted by the University to students who display unusual motivation to study an area not included among its degree programs. Although the individual student is responsible for the design and planning of the program, he or she must fulfill the following requirements:

1. Completion of General Education requirements (including the intermediate level of a foreign language for B.A. Degree).
2. The advisory committee must approve the admission to the major. Applications must be made no later than fall semester of the junior year. An applicant should have a minimum grade point average of 3.50. Continuation in the program requires a grade point average of at least 3.30 each semester.
3. Majors will be approved only where university faculty and courses can provide a degree program of high quality. New courses will not be created for a student; however, a directed study course may be provided. In special cases up to nine (9) hours of transfer credit from another institution may apply to a major, particularly of specialized courses not available at Southern.
4. Bachelor of Art degree majors must have 30 hours, of which a minimum of 14 hours will be upper division. A second major or a minor from Southern's degree programs must be included.
5. Bachelor of Science majors must have 42 hours, of which a minimum of 18 hours will be upper division.
6. Courses for the major shall be chosen from at least two and not more than four disciplines.
7. Both B.A. and B.S. majors must include a three (3) hour research project (accomplished under a directed study number). Students will provide a defense of their project before their advisory committee.
8. In order to graduate, the student must have a minimum of 124 semester hours, 40 upper division hours, and three writing classes.

At least 30 of the semester hours in the major must be taken in residence after the student's application and proposal for the major have been approved by the advisory committee. A grade of C or better must be obtained in all courses in the interdisciplinary major.

For the students who design their major, their transcript will give the degree and major: "Interdisciplinary" with the concentration as approved by the Advisory Committee.

It should be noted that any students receiving VA education benefits must have their interdisciplinary major and course of study submitted to and approved by the Tennessee Higher Education Commission as the State Approving Agency before certification to the VA.

# School of Journalism and Communication

**Dean:** Rachel Williams-Smith

**Faculty:** Lorraine Ball, Pablo Fernandez, Pamela Maize Harris, Alva James-Johnson, Victoria Joiner, Natalia López-Thismón, Stephen Ruf, Rachel Williams-Smith

**Office Manager:** Arlene Leavitt

**Adjunct Faculty:** David Barasoian, Ryan Harrell, Tara Hargrove, Mindy Jamieson, Sam Nkana, Billy Weeks

## **Program Coordinators:**

Basic Speech Courses, Lorraine Ball

Communication, Rachel Williams-Smith

Journalism, Alva James-Johnson

Mass Communication, Stephen Ruf

Media Technology A.S., Stephen Ruf

Public Relations, Lorraine Ball

Public Relations-Business Administration, Pamela Maize Harris and Stephanie Sheehan

Public Relations-Graphic Design, Lorraine Ball

**Advisory Council:** A current list of Advisory Council members is kept in the School of Journalism and Communication.

## **Mission/Purpose Statement**

To inspire and equip a new generation of truth-seekers, storytellers, and influencers to impact the world through a Christian worldview and the power of media.

## **Admission Criteria**

To graduate with a degree from the School of Journalism and Communication, acceptance to the School is required. Declaration as a major is not equivalent to acceptance to the School of Journalism and Communication. Minimum requirements for admission to the School of Journalism and Communication are:

- Acceptance to the School of Journalism and Communication
- A minimum English ACT score of 18 or SAT equivalent
- Completion of category A general education English and Math requirements
- Completion of COMM 103 with a grade of “C-” or better
- Completion of JOUR 105 with a grade of “C” or better
- For Communication Studies majors only: completion of COMM 103 with a grade of “C-” or better or JOUR 105 with a grade of “C” or better, as well as completion of COMM 135 with a grade of “C” or better.
- Earned overall GPA of 2.25 or better in college courses

Students pursuing a major offered by the School of Journalism and Communication will be considered for admission at the end of the freshman year (24-32 hours). Transfer and change-of-major students will be considered for admission on a case-by-case basis.

SJC students may take COMM 103, COMM 135, or JOUR 105 a maximum of two times without special permission from the SJC faculty.

When a student has taken any SJC course a second time and has not received at least a grade of “C-”, that student’s continuation in the SJC program will be up for review by SJC faculty.



The School of Journalism and Communication provides an **educational environment** in which future leaders in communication, journalism, public relations, and related areas can acquire the enduring ethical concepts, the intellectual discipline, and the professional abilities necessary for the mastery and management of a wide range of writing, editing, research, and other journalistic and public relations skills and techniques.

The School offers Bachelor of Arts degrees in Communication and Journalism, Bachelor of Science degrees in Mass Communication and Public Relations, a Bachelor of Science degree (combined major) in Public Relations and Business Administration, and a Bachelor of Science degree (combined major) in Public Relations and Graphic Design, as well as an Associate of Science degree in Media Technology. **Minors** are also available in Advertising, Broadcast Journalism, Communication, Intercultural Communication, Journalism (Publishing), Media Production, Photography, and Public Relations.

Students graduating with a degree in **Communication** may find work in corporations, nonprofit organizations, government agencies, and a variety of religious and educational institutions. Students who pursue this degree are prepared to seek employment as communication specialists in a variety of settings. Many pursue graduate study in fields such as communication, medicine, or law.

The **Journalism** major prepares students for careers as reporters, writers, videographers, producers, and editors for online news providers, wire services, daily and weekly newspapers, magazines, radio and television stations, publishing houses, and for the vast array of news organizations that serve the church, business, industry, governmental agencies, the medical field, colleges and universities, and other nonprofit organizations.

Students graduating with the Bachelor of Science in **Mass Communication** have a broad communication education with a selected specialty that prepares them for a large variety of communication jobs in the church, in corporations, and in nonprofit organizations.

**Public Relations** majors are prepared for careers in business, industry, government, the church, colleges, universities, hospitals, and other medical institutions, and in a wide range of organizations.

The combined major of **Public Relations and Business Administration** is a unique degree program. Because it contains the core classes from both majors, it equips students with public relations and business skills and makes graduates especially competitive in the corporate world.

A combined major in **Public Relations and Graphic Design** blends the writing and research skills in public relations with the creative and design skills in graphic design. Students are prepared for careers in corporate, nonprofit, hospital, and denominational settings.

All of the School's bachelor's degree majors prepare students for entry into graduate schools.

The associate degree in **Media Technology** prepares the student for entry level positions in media production, desktop publishing, or web design.

Members of the faculty will advise each student in planning a study program that is supportive of individual career goals, meets degree requirements of the School of Journalism and Communication, and fulfills General Education requirements.

## Residency

All baccalaureate degrees offered by the School of Journalism and Communication require that at least 12 upper division hours of the respective degree requirements must be taken at Southern Adventist University.

## Meet The Firms

Meet the Firms is a program sponsored by the School of Journalism and Communication and other Schools on campus to facilitate students in locating internships and jobs in their fields of study. A Meet the Firms job fair is held each fall and winter semester. A variety of invited companies meet with students to interview, network, and mentor in preparation for placement.

## Internships and On-the-Job Training

Because of the strong relationships which the School has developed with the Chattanooga area mass media, students in journalism, broadcasting, and public relations have many opportunities to meet and work with professionals in television and radio news, in public relations, advertising, on daily and weekly newspapers and on the web.

Students are encouraged to perform internships in their field of study. Newspapers, publishing houses, public relations and fund development departments, advertising agencies, nonprofit organizations, social media, and radio and television newsrooms are among the organizations who seek interns. Current internship information is available on School listserves.

Students participate in undergraduate research, and are encouraged to present their research at Campus Research Day and at professional conferences.

An Advisory Council advises the School in providing internships that give on-the-job experience. The School also participates in the North American Division internship program in which students work in various denominational institutions. The University radio station, WSMC FM90.5, and other media outlets provide learning opportunities for students.

Campus Publications: Students can gain valuable experience as writers, editors, and producers by working on Student Association productions such as Southern Accent, the campus newspaper; Southern Memories, the yearbook; and Strawberry Festival, the annual multi-media year-in-review.

## Assessment

To make satisfactory progress toward preparation for the job market, students majoring in the School will be expected to attend school assemblies and other professional meetings sponsored by the School.

Students should demonstrate their growing professionalism through involvement in the publication of Southern Accent, Southern Memories, The Wire, or other publication; or in communication activities for a campus, church, or community organization such as WSMC FM90.5.

Participation in the Communication Club and involvement in a professional organization such as the Society of Adventist Communicators, the Southern States Communication Association, or the Public Relations Student Society of America are also evidence of professional commitment. Students with high scholastic achievement will be invited to apply for membership in Lambda Pi Eta, the student honor society of the National Communication Association.

School effectiveness will be assessed by combining the results of the cumulative evaluations, student evaluations of courses, and questionnaires completed by alumni and supervisors of interns. To determine that the curriculum meets the objectives of the School, the faculty engages in ongoing analysis of courses required for majors.

**MASS COMMUNICATION, B.S.**

Core	31
Emphasis	26-31
General Education	45
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

**Required Core**

- BRDC 127 - Introduction to Digital Storytelling 3 hours
- COMM 103 - Introduction to Mass Communication 3 hours
- COMM 242 - Introduction to Web Design 3 hours
- COMM 415 - Portfolio and Career 1 hour
- COMM 427 - Mass Media Law and Ethics 3 hours
- COMM 488 - Mass Communication and Society (W) 3 hours
- JOUR 105 - Writing for the Media 3 hours
- PHTO 125 - Introduction to Photography 3 hours
- PREL 310 - Social Media Strategies 3 hours
- ARTG 115 - Introduction to Graphic Design 3 hours \*
- OR JOUR 208 - Publication Tools and Techniques 3 hours
- COMM 240 - Communication Theory 3 hours
- OR PREL 235 - Public Relations Principles and Theory 3 hours

**TOTAL 31 HOURS**

*\*Required for Graphic Design-focused track in Advertising Emphasis*

In consultation with your adviser select one emphasis. You must select at least 12 hours of upper division credit within your emphasis.

**ADVERTISING EMPHASIS**

- Mass Communication Core 31 hours
- BMKT 326 - Principles of Marketing 3 hours
- BMKT 423 - Principles of Integrated Marketing Communication (SERV-2) 3 hours
- COMM 397 - Communication Research (W) 3 hours
- COMM 406 - Persuasion and Propaganda (W) 3 hours
- PREL 246 - Fundamentals of Advertising 3 hours
- PREL 355 - Advertising Copywriting 3 hours

**Select twelve (12) hours from the following tracks:**

- BMKT 327 - Consumer Behavior 3 hours
- BRDC 315 - Scriptwriting (W) 3 hours
- COMM 330 - Intercultural Communication (W) 3 hours
- MGNT 371 - Principles of Entrepreneurship 3 hours
- MGNT 420 - Organizational Behavior 3 hours
- PHTO 320 - Digital Photography 3 hours
- PREL 291 - Practicum 1-3 hours
- PREL 391 - Practicum 1-3 hours
- PREL 482 - The Public Relations Campaign (SERV-2) 3 hours
- PREL 485 - Public Relations Techniques 3 hours
- PREL 493 - Public Relations Internship 1-3 hours

**or Graphic Design-focused track**

- ART 109 - 2D Foundations-Plane and Color 3 hours
- ARTG 212 - Raster Graphics 3 hours
- ARTG 238 - Design Studio II 3 hours
- ARTG 332 - Advertising Design 3 hours

**TOTAL 61 HOURS**

**MEDIA PRODUCTION EMPHASIS**

Mass Communication Core 31 hours  
 BRDC 201 - Introduction to Digital Media 3 hours  
 BRDC 202 - Digital Audio Production 3 hours  
 BRDC 225 - Studio and Event Production 3 hours  
 BRDC 327 - Advanced Digital Storytelling 3 hours  
 BRDC 417 - Media Management and Ministry 3 hours  
 BRDC 442 - Television and News Production 3 hours  
 BRDC 445 - Senior Project 1 hour  
 BRDC 493 - Broadcast/Media Production Internship 1-3 hours (3 hours required)  
 BRDC 314 - Broadcast News Writing (W) 3 hours  
 OR BRDC 315 - Scriptwriting (W) 3 hours

**Select six (6) hours from the following:**

ARTF 215 - Lighting 3 hours  
 ARTF 320 - Post Production 3 hours  
 ARTF 353 - Directing the Documentary (SERV-2) 3 hours  
 BRDC 295 - Directed Study 1-3 hours  
 BRDC 465 - Topics in Broadcasting 1-3 hours  
 COMM 210 - Comm Convention/Study Tour 0-6 hours  
 COMM 326 - Film Evaluation (IN-10) (W) 3 hours  
 MGNT 371 - Principles of Entrepreneurship 3 hours  
 MGNT 372 - Small Business Management 3 hours  
 MGNT 450 - Leadership in Organizations 3 hours  
 BRDC 291 - Practicum 1-3 hours  
 OR BRDC 391 - Practicum 1-3 hours  
 OR BRDC 493 - Broadcast/Media Production Internship 1-3 hours

**TOTAL 62 HOURS****PHOTOGRAPHY EMPHASIS**

Mass Communication Core 31 hours  
 ARTF 215 - Lighting 3 hours  
 BRDC 201 - Introduction to Digital Media 3 hours  
 BRDC 225 - Studio and Event Production 3 hours  
 MGNT 371 - Principles of Entrepreneurship 3 hours  
 PHTO 275 - Applied Photojournalism 1 hour  
 PHTO 315 - Photojournalism 3 hours  
 PHTO 320 - Digital Photography 3 hours  
 PHTO 447 - Senior Portfolio 1 hour

**Select six (6) hours from the following:**

ART 109 - 2D Foundations-Plane and Color 3 hours  
 ARTG 212 - Raster Graphics 3 hours  
 BRDC 327 - Advanced Digital Storytelling 3 hours  
 PHTO 492 - Photography Internship 3 hours  
 PHTO 265 - Topics in Photography 1-3 hours  
 OR PHTO 465 - Topics in Photography 1-3 hours  
 PHTO 291 - Practicum 1-3 hours  
 OR PHTO 391 - Practicum 1-3 hours

**TOTAL 57 HOURS****WRITING/EDITING EMPHASIS**

Mass Communication Core 31 hours  
 COMM 397 - Communication Research (W) 3 hours  
 JOUR 205 - News Reporting 3 hours  
 JOUR 313 - Publication Editing 3 hours  
 JOUR 316 - Magazine and Feature Article Writing (W) 3 hours

JOUR 342 - Interactive Journalism 3 hours

ECON 224 - Principles of Macroeconomics 3 hours

**Select twelve (12) hours from the following:**

BRDC 314 - Broadcast News Writing (W) 3 hours

BRDC 315 - Scriptwriting (W) 3 hours

COMM 312 - Professional Communication and Leadership 3 hours

COMM 420 - Professional and Technical Writing 3 hours

ENGL 306 - Creative Writing: Literary Nonfiction (W) 3 hours

ENGL 313 - Expository Writing (W) 3 hours

JOUR 356 - Investigative Reporting (W) 3 hours

JOUR 416 - Literary Journalism (W) 3 hours

MGNT 371 - Principles of Entrepreneurship 3 hours

PHTO 125 - Introduction to Photography 3 hours

PREL 355 - Advertising Copywriting 3 hours

JOUR 291 - Practicum 1-3 hours

OR JOUR 391 - Practicum 1-3 hours

JOUR 175 - Communication Workshop 1-3 hours

OR JOUR 475 - Communication Workshop 1-3 hours

PHTO 315 - Photojournalism 3 hours

OR PHTO 320 - Digital Photography 3 hours

**TOTAL 58 HOURS**

**TOTAL 57-62 HOURS**

## **PUBLIC RELATIONS AND GRAPHIC DESIGN, B.S.**

Major	76
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General Education	45
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Electives to =	124
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<b>TOTAL</b>	<b>124</b>
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### **Public Relations**

#### **Required Courses**

BRDC 127 - Introduction to Digital Storytelling 3 hours

COMM 103 - Introduction to Mass Communication 3 hours

COMM 397 - Communication Research (W) 3 hours

JOUR 105 - Writing for the Media 3 hours

JOUR 316 - Magazine and Feature Article Writing (W) 3 hours

PHTO 320 - Digital Photography 3 hours

PREL 235 - Public Relations Principles and Theory 3 hours

PREL 246 - Fundamentals of Advertising 3 hours

PREL 310 - Social Media Strategies 3 hours

PREL 455 - Public Relations Strategy and Management 3 hours

PREL 482 - The Public Relations Campaign (SERV-2) 3 hours

PREL 485 - Public Relations Techniques 3 hours

PREL 493 - Public Relations Internship 1-3 hours (1 hour required)

**TOTAL 37 HOURS**

### **Graphic Design**

#### **Required Courses**

ART 104 - Drawing I 3 hours

ART 109 - 2D Foundations-Plane and Color 3 hours

ARTG 115 - Introduction to Graphic Design 3 hours

ARTG 121 - Typography I 3 hours

ARTG 210 - Vector Graphics 3 hours

ARTG 212 - Raster Graphics 3 hours  
 ARTG 238 - Design Studio II 3 hours  
 ARTG 324 - Editorial Design 3 hours  
 ARTG 332 - Advertising Design 3 hours  
 ARTG 338 - Design Studio III 3 hours  
 ARTG 420 - Branding Systems (SERV-2) 3 hours  
 ARTG 432 - Senior Design Studio 3 hours  
 ARTI 324 - Interactive Media 3 hours

**TOTAL 39 HOURS**

**TOTAL 76 HOURS**

### Recommended Course

COMM 406 - Persuasion and Propaganda (W) 3 hours

### PUBLIC RELATIONS, B.S.

Major	50
Cognates	3
General Education	45
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

### Required Courses

BRDC 127 - Introduction to Digital Storytelling 3 hours  
 COMM 103 - Introduction to Mass Communication 3 hours  
 COMM 397 - Communication Research (W) 3 hours  
 COMM 415 - Portfolio and Career 1 hour  
 JOUR 105 - Writing for the Media 3 hours  
 JOUR 205 - News Reporting 3 hours  
 JOUR 316 - Magazine and Feature Article Writing (W) 3 hours  
 COMM 427 - Mass Media Law and Ethics 3 hours  
 PHTO 320 - Digital Photography 3 hours  
 PREL 235 - Public Relations Principles and Theory 3 hours  
 PREL 246 - Fundamentals of Advertising 3 hours  
 PREL 310 - Social Media Strategies 3 hours  
 PREL 455 - Public Relations Strategy and Management 3 hours  
 PREL 482 - The Public Relations Campaign (SERV-2) 3 hours  
 PREL 485 - Public Relations Techniques 3 hours  
 PREL 493 - Public Relations Internship 1-3 hours (1 hour required)  
 ARTG 115 - Introduction to Graphic Design 3 hours  
 OR JOUR 208 - Publication Tools and Techniques 3 hours

### Select three (3) hours from the following:

BMKT Any Marketing class except BMKT 326 3 hours  
 COMM 330 - Intercultural Communication (W) 3 hours  
 COMM 336 - Interpersonal Communication 3 hours  
 COMM 406 - Persuasion and Propaganda (W) 3 hours  
 COMM 242 - Introduction to Web Design 3 hours  
 JOUR 313 - Publication Editing 3 hours  
 PHTO 125 - Introduction to Photography 3 hours  
 PREL 355 - Advertising Copywriting 3 hours  
 PREL 368 - Fundraising for Nonprofits (SERV-2) 3 hours  
 PREL 465 - Topics in Public Relations 1-3 hours (3 hours required)  
 COMM 312 - Professional Communication and Leadership 3 hours  
 OR COMM 340 - Group Dynamics and Leadership 3 hours

**TOTAL 50 HOURS**

**Required Cognate**

BMKT 326 - Principles of Marketing 3 hours

**PUBLIC RELATIONS-BUSINESS, B.S.**

Major	69-72
General Education	45
Electives to =	124
<b>TOTAL</b>	<b>124</b>

**Public Relations**

**Required Courses**

- BRDC 127 - Introduction to Digital Storytelling 3 hours
- COMM 397 - Communication Research (W) 3 hours
- JOUR 105 - Writing for the Media 3 hours
- PREL 235 - Public Relations Principles and Theory 3 hours
- PREL 246 - Fundamentals of Advertising 3 hours
- PREL 310 - Social Media Strategies 3 hours
- PREL 455 - Public Relations Strategy and Management 3 hours
- PREL 482 - The Public Relations Campaign (SERV-2) 3 hours
- PREL 485 - Public Relations Techniques 3 hours
- PREL 493 - Public Relations Internship 1-3 hours (1 hour required)
- ARTG 115 - Introduction to Graphic Design 3 hours
- OR JOUR 208 - Publication Tools and Techniques 3 hours

**Select three (3) hours from the following:**

- BUAD 358 - Ethical, Social, and Legal Environment of Business (W) 3 hours
- COMM 427 - Mass Media Law and Ethics 3 hours

**TOTAL 34 HOURS**

**Business Administration**

**Required Courses**

- ACCT 221 - Principles of Accounting I 3 hours
- ACCT 222 - Principles of Accounting II 3 hours
- BMKT 326 - Principles of Marketing 3 hours
- BUAD 201 - Business Major Qualification 0 hours
- BUAD 217 - Business-Computer Concepts and Applications 3 hours
- BUAD 305 - Introduction to Business Analytics 3 hours
- BUAD 312 - Professional Communication and Leadership 3 hours
- BUAD 339 - Business Law 3 hours
- BUAD 488 - Seminar in Business Administration 1 hour
- ECON 224 - Principles of Macroeconomics 3 hours
- FNCE 315 - Principles of Finance 3 hours
- MATH 117 - College Algebra 3 hours (only if MATH ACT below 18)
- MGNT 334 - Principles of Management 3 hours
- MGNT 464 - Business Strategies (W) 3 hours
- BUAD 412 - Preparing to Meet the Firms 1 hour
- OR COMM 415 - Portfolio and Career 1 hour

**TOTAL 35-38 HOURS**

**TOTAL 69-72 HOURS**

The combined major provides students with the option to develop skills in two fields of study. A student will be assigned an adviser in their first-chosen major and a secondary adviser in the other major.

**Recommended Course**

PREL 368 - Fundraising for Nonprofits (SERV-2) 3 hours

**COMMUNICATION, B.A.**

Major	38-40
Cognate	3
Minor	18
General Education	42
Elementary Foreign Language*	0-6
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

**Required Courses**

BRDC 127 - Introduction to Digital Storytelling 3 hours  
 COMM 103 - Introduction to Mass Communication 3 hours  
 COMM 240 - Communication Theory 3 hours  
 COMM 326 - Film Evaluation (IN-10) (W) 3 hours  
 COMM 330 - Intercultural Communication (W) 3 hours  
 COMM 336 - Interpersonal Communication 3 hours  
 COMM 397 - Communication Research (W) 3 hours  
 COMM 406 - Persuasion and Propaganda (W) 3 hours  
 COMM 415 - Portfolio and Career 1 hour  
 JOUR 105 - Writing for the Media 3 hours  
 COMM 291 - Communication Practicum 1-3 hours  
   OR COMM 391 - Communication Practicum 1-3 hours  
   OR COMM 492 - Communication Internship 1-3 hours  
 COMM 312 - Professional Communication and Leadership 3 hours  
   OR COMM 340 - Group Dynamics and Leadership 3 hours

**Select six (6) hours from the following:**

BRDC 201 - Introduction to Digital Media 3 hours  
 BRDC 315 - Scriptwriting (W) 3 hours  
 COMM 230 - Introduction to Acting 3 hours  
 COMM 242 - Introduction to Web Design 3 hours  
 COMM 465 - Topics 1-3 hours  
 COMM 492 - Communication Internship 1-3 hours (300 clock hours) 3 hours required  
 COMM 495 - Directed Study 1-3 hours  
 ENGL 320 - Rhetoric: The Performance of Argument 3 hours  
 JOUR 205 - News Reporting 3 hours  
 PHTO 125 - Introduction to Photography 3 hours  
 PREL 235 - Public Relations Principles and Theory 3 hours  
 ARTG 115 - Introduction to Graphic Design 3 hours  
   OR JOUR 208 - Publication Tools and Techniques 3 hours  
 COMM 291 - Communication Practicum 1-3 hours  
   OR COMM 391 - Communication Practicum 1-3 hours  
 JOUR 175 - Communication Workshop 1-3 hours  
   OR JOUR 475 - Communication Workshop 1-3 hours

**TOTAL 38-40 HOURS**

*\*Elementary foreign language or two years of foreign language in high school 0-6 hours*

**Required Cognate**

ENGL 313 - Expository Writing (W) 3 hours  
 OR ENGL 420 - Technical and Professional Writing 3 hours

**Strongly Recommended**

Intermediate level modern language 6 hours



**INTERNATIONAL COMMUNICATION EMPHASIS (OPTIONAL)**

Major	34
Cognates	12
General Education	39
Minor at ACA	18
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

**Required COMM Courses**

COMM Required Courses 34 hours

**Required Cognates for International Communication Emphasis**

GEOG 204 - World Geography (SERV-2) 3 hours  
 INDV 220 - International Relations and Global Politics 3 hours  
 RELT 458 - World Religions (W) (R-4) 3 hours  
 PSYC 231 - Multicultural Relations 3 hours  
 OR SOCI 150 - Cultural Anthropology 3 hours  
 OR SOCI 230 - Multicultural Relations 3 hours

**Required non-English language minor for International Emphasis**

Plus participation in ACA

**Total: 12 hours** (can include coursework taken while in ACA)

**OR:** A Communication Studies major with an international emphasis will complete a non-English language minor.

Option 1 A language minor with a minimum of nine hours completed at an “overseas” school.

Option 2 A language minor with courses completed on our campus, but with one school year traveling or serving abroad.

**Recommended Elective**

HIST 356 - Race, Ethnicity, and Immigration in American History (IN-6) (W) 3 hours

**JOURNALISM, B.A.**

Core	22
Electives or Optional Emphasis	18
Cognates	9
Minor	18
General Education	45
Elementary foreign language*	0-6
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

**Required Core**

BRDC 127 - Introduction to Digital Storytelling 3 hours  
 COMM 103 - Introduction to Mass Communication 3 hours  
 COMM 415 - Portfolio and Career 1 hour  
 COMM 427 - Mass Media Law and Ethics 3 hours  
 JOUR 105 - Writing for the Media 3 hours  
 JOUR 205 - News Reporting 3 hours  
 PHTO 315 - Photojournalism 3 hours  
 JOUR 342 - Interactive Journalism 3 hours  
 OR JOUR 356 - Investigative Reporting (W) 3 hours

**TOTAL 22 HOURS**

\*Elementary foreign language or two years of foreign language in high school 0-6 hours

**Select eighteen (18) hours from the following:**

ARTG 115 - Introduction to Graphic Design 3 hours  
 BRDC 201 - Introduction to Digital Media 3 hours  
 BRDC 202 - Digital Audio Production 3 hours  
 BRDC 314 - Broadcast News Writing (W) 3 hours  
 COMM 488 - Mass Communication and Society (W) 3 hours  
 JOUR 313 - Publication Editing 3 hours  
 JOUR 316 - Magazine and Feature Article Writing (W) 3 hours  
 JOUR 342 - Interactive Journalism 3 hours  
 JOUR 416 - Literary Journalism (W) 3 hours  
 JOUR 391 - Practicum 1-3 hours  
 OR JOUR 392 - Journalism Internship 1-3 hours

**Required Cognates**

ECON 213 - Survey of Economics (IN-9) 3 hours  
 PLSC 254 - American National and State Government 3 hours  
 PREL 310 - Social Media Strategies 3 hours  
**TOTAL 40 HOURS**

**DIGITAL/BROADCAST EMPHASIS (OPTIONAL)**

Journalism Core 22 hours  
 BRDC 201 - Introduction to Digital Media 3 hours  
 BRDC 202 - Digital Audio Production 3 hours  
 BRDC 225 - Studio and Event Production 3 hours  
 BRDC 314 - Broadcast News Writing (W) 3 hours  
 BRDC 327 - Advanced Digital Storytelling 3 hours  
 BRDC 442 - Television and News Production 3 hours

**Required Cognates**

ECON 213 - Survey of Economics (IN-9) 3 hours  
 PLSC 254 - American National and State Government 3 hours  
 PREL 310 - Social Media Strategies 3 hours

**Recommended Electives**

BRDC 417 - Media Management and Ministry 3 hours  
 COMM 242 - Introduction to Web Design 3 hours  
 COMM 326 - Film Evaluation (IN-10) (W) 3 hours  
 ECON 213 - Survey of Economics (IN-9) 3 hours  
 COMM 488 - Mass Communication and Society (W) 3 hours  
 JOUR 208 - Publication Tools and Techniques 3 hours  
 OR JOUR 391 - Practicum 1-3 hours  
**TOTAL 40 HOURS**

**MEDIA TECHNOLOGY, A.S.**

Major	30
General Education	21
Electives to = 64	
<b>TOTAL</b>	<b>64</b>

**Required Courses**

BRDC 127 - Introduction to Digital Storytelling 3 hours  
 BRDC 291 - Practicum 1-3 hours (2 hours required)  
 COMM 103 - Introduction to Mass Communication 3 hours  
 JOUR 208 - Publication Tools and Techniques 3 hours  
 COMM 242 - Introduction to Web Design 3 hours  
 PHTO 125 - Introduction to Photography 3 hours

BRDC 245 - Senior Project 1 hour  
OR JOUR 245 - Senior Project 1 hour

**Select twelve (12) hours from the following:**

BRDC 201 - Introduction to Digital Media 3 hours  
BRDC 202 - Digital Audio Production 3 hours  
BRDC 225 - Studio and Event Production 3 hours  
BRDC 327 - Advanced Digital Storytelling 3 hours  
CPTR 124 - Fundamentals of Programming 4 hours  
PHTO 315 - Photojournalism 3 hours  
OR PHTO 320 - Digital Photography 3 hours

**TOTAL 30 HOURS**

## **ADVERTISING MINOR**

### **Required Courses**

BMKT 326 - Principles of Marketing 3 hours  
COMM 406 - Persuasion and Propaganda (W) 3 hours  
PREL 246 - Fundamentals of Advertising 3 hours  
PREL 310 - Social Media Strategies 3 hours  
PREL 355 - Advertising Copywriting 3 hours

**Select three (3) hours from the following:**

ARTG 332 - Advertising Design 3 hours  
BMKT 327 - Consumer Behavior 3 hours  
BMKT 328 - Sales Management 3 hours  
BRDC 315 - Scriptwriting (W) 3 hours  
COMM 103 - Introduction to Mass Communication 3 hours  
COMM 242 - Introduction to Web Design 3 hours  
COMM 330 - Intercultural Communication (W) 3 hours  
ARTG 115 - Introduction to Graphic Design 3 hours  
OR JOUR 208 - Publication Tools and Techniques 3 hours

**TOTAL 18 HOURS**

## **BROADCAST JOURNALISM MINOR**

### **Required Courses**

BRDC 127 - Introduction to Digital Storytelling 3 hours  
BRDC 202 - Digital Audio Production 3 hours  
BRDC 314 - Broadcast News Writing (W) 3 hours  
JOUR 105 - Writing for the Media 3 hours

**Select three (3) hours from the following:**

BRDC 201 - Introduction to Digital Media 3 hours  
BRDC 417 - Media Management and Ministry 3 hours  
COMM 427 - Mass Media Law and Ethics 3 hours  
COMM 488 - Mass Communication and Society (W) 3 hours

**TOTAL 18 HOURS**

## **COMMUNICATION STUDIES MINOR**

### **Required Courses**

COMM 240 - Communication Theory 3 hours  
COMM 406 - Persuasion and Propaganda (W) 3 hours

**Select twelve (12) hours from the following:**

- COMM 230 - Introduction to Acting 3 hours
- BRDC 315 - Scriptwriting (W) 3 hours
- COMM 326 - Film Evaluation (IN-10) (W) 3 hours
- COMM 330 - Intercultural Communication (W) 3 hours
- COMM 336 - Interpersonal Communication 3 hours
- COMM 397 - Communication Research (W) 3 hours
- COMM 291 - Communication Practicum 1-3 hours
  - OR COMM 391 - Communication Practicum 1-3 hours
  - OR COMM 495 - Directed Study 1-3 hours
- COMM 312 - Professional Communication and Leadership 3 hours
  - OR COMM 340 - Group Dynamics and Leadership 3 hours

**TOTAL 18 HOURS****INTERCULTURAL COMMUNICATION MINOR****Required Courses**

- COMM 240 - Communication Theory 3 hours
- COMM 330 - Intercultural Communication (W) 3 hours
- SOCI 150 - Cultural Anthropology 3 hours
  - OR SOCI 230 - Multicultural Relations 3 hours

**Select nine (9) hours:**

- COMM 312 - Professional Communication and Leadership 3 hours
- COMM 336 - Interpersonal Communication 3 hours
- COMM 397 - Communication Research (W) 3 hours
- COMM 406 - Persuasion and Propaganda (W) 3 hours
- GEOG 204 - World Geography (SERV-2) 3 hours
- SOCI 150 - Cultural Anthropology 3 hours
- SOCI 230 - Multicultural Relations 3 hours
- COMM 291 - Communication Practicum 1-3 hours
  - OR COMM 391 - Communication Practicum 1-3 hours
- COMM 295 - Directed Study 1-3 hours (non-Anglo-American topic)
  - OR COMM 495 - Directed Study 1-3 hours (non-Anglo-American topic)
- INDV 250 - Cross-Cultural Experience 3 hours
  - OR RELT 458 - World Religions (W) (R-4) 3 hours

**TOTAL 18 HOURS****JOURNALISM PUBLISHING MINOR****Required Courses**

- JOUR 105 - Writing for the Media 3 hours
- JOUR 205 - News Reporting 3 hours
- JOUR 208 - Publication Tools and Techniques 3 hours
- JOUR 313 - Publication Editing 3 hours
- JOUR 316 - Magazine and Feature Article Writing (W) 3 hours
  - OR JOUR 356 - Investigative Reporting (W) 3 hours
- COMM 427 - Mass Media Law and Ethics 3 hours
  - OR COMM 488 - Mass Communication and Society (W) 3 hours

**TOTAL 18 HOURS**

## **MEDIA PRODUCTION MINOR**

### **Required Courses**

ARTF 215 - Lighting 3 hours  
BRDC 201 - Introduction to Digital Media 3 hours  
BRDC 202 - Digital Audio Production 3 hours  
BRDC 225 - Studio and Event Production 3 hours  
BRDC 327 - Advanced Digital Storytelling 3 hours

### **Select three (3) hours from the following:**

BRDC 417 - Media Management and Ministry 3 hours  
COMM 427 - Mass Media Law and Ethics 3 hours  
COMM 488 - Mass Communication and Society (W) 3 hours  
**TOTAL 18 HOURS**

## **PHOTOGRAPHY MINOR**

### **Required Courses**

PHTO 125 - Introduction to Photography 3 hours  
PHTO 315 - Photojournalism 3 hours  
PHTO 320 - Digital Photography 3 hours  
ARTG 115 - Introduction to Graphic Design 3 hours  
OR JOUR 208 - Publication Tools and Techniques 3 hours

### **Select six (6) hours from the following:**

ARTF 215 - Lighting 3 hours  
BRDC 127 - Introduction to Digital Storytelling 3 hours  
BRDC 225 - Studio and Event Production 3 hours  
BRDC 327 - Advanced Digital Storytelling 3 hours  
PHTO 275 - Applied Photojournalism 1 hour  
PHTO 291 - Practicum 1-3 hours  
OR PHTO 391 - Practicum 1-3 hours  
**TOTAL 18 HOURS**

## **PUBLIC RELATIONS MINOR**

### **Required Courses**

JOUR 105 - Writing for the Media 3 hours  
PREL 235 - Public Relations Principles and Theory 3 hours  
PREL 310 - Social Media Strategies 3 hours  
PREL 485 - Public Relations Techniques 3 hours  
PREL 455 - Public Relations Strategy and Management 3 hours  
OR PREL 482 - The Public Relations Campaign (SERV-2) 3 hours

### **Select three (3) hours from the following:**

BRDC 127 - Introduction to Digital Storytelling 3 hours  
COMM 406 - Persuasion and Propaganda (W) 3 hours  
JOUR 205 - News Reporting 3 hours  
JOUR 313 - Publication Editing 3 hours  
JOUR 465 - Topics in Communication 1-3 hours  
PREL 246 - Fundamentals of Advertising 3 hours  
PREL 368 - Fundraising for Nonprofits (SERV-2) 3 hours  
ARTG 115 - Introduction to Graphic Design 3 hours  
OR JOUR 208 - Publication Tools and Techniques 3 hours  
**TOTAL 18 HOURS**

# Mathematics

**Chair:** Kevin Brown

**Faculty:** Patricia Anderson, Kevin Brown, Adam Heck, Ronald D. Johnson

**Program Coordinator:** Kevin Brown

Throughout recorded history mathematics and mathematical thinking have influenced man's culture to an extent that even many well-educated people fail to appreciate. The Elements of Euclid, the invention of a place-value numeration system, the invention of the calculus, the development of statistical inference, and more recently the development of computers, to name just a few, are mathematical contributions to civilization which have significantly affected the philosophies, commerce, science, and technology of mankind.

The Mathematics Department seeks to transmit this mathematical heritage to the students of Southern Adventist University by (1) introducing students to mathematical concepts and techniques and the disciplined, logical thinking required to successfully apply them to a variety of problem-solving experiences, (2) providing a stage in the formal education of professional mathematicians, (3) educating teachers of mathematics, and (4) providing appropriate courses for users of mathematics.

## Mission Statement

In harmony with Southern Adventist University's Christian environment, the Mathematics Department seeks to provide students with mathematical skills and concepts appropriate to their chosen field of study and to prepare mathematics majors and minors for distinguished professional performance in mathematics or other fields that require a strong mathematical background.

## Assessment

All mathematics majors are required to take the Educational Testing Service Major Field Achievement Test in mathematics during their senior year. The results of this examination are used in an ongoing review of the departmental curriculum.

## MATHEMATICS, B.S.

Major	42-43
Cognates	8-10
General Education	39-42
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

### Required Courses

- MATH 191 - Calculus I 4 hours
- MATH 192 - Calculus II 4 hours
- MATH 201 - Intermediate Linear Algebra 3 hours
- MATH 218 - Calculus III 4 hours
- MATH 219 - Set Theory and Logic 3 hours
- MATH 315 - Differential Equations 3 hours
- MATH 318 - Abstract Algebra 3 hours
- MATH 410 - Real Analysis 3 hours
- MATH 485 - Mathematics Seminar (W) 1 hour
- MATH 486 - Mathematics Seminar II 1 hour
- MATH 490 - Senior Capstone 1 hour

**Select four (4) of the following courses:**

- MATH 312 - History of Mathematics (W) 3 hours
- MATH 316 - Partial Differential Equations 3 hours
- MATH 317 - Complex Variables 3 hours
- MATH 320 - Numerical Analysis 3 hours
- MATH 327 - Probability and Statistics 4 hours
- MATH 329 - Actuarial Exam P Preparation 3 hours
- MATH 415 - Geometry 3 hours

**TOTAL 42-43 HOURS**

See General Degree and General Education requirements. Note especially requirements of make-up of admissions deficiencies, three writing emphasis courses, and 40 upper division credits.

**Required Cognates**

Select Option 1, Option 2 or Option 3

**Option 1**

- CPTR 124 - Fundamentals of Programming 4 hours
- CPTR 215 - Fundamentals of Software Design 4 hours

**Option 2**

- PHYS 211 - General Physics I (IN-7) 3 hours
- PHYS 212 - General Physics II 3 hours
- PHYS 213 - General Physics Laboratory I (IN-7) 1 hour
- PHYS 214 - General Physics Laboratory II 1 hour

**Option 3**

- PHYS 221 - University Physics I (IN-7) 4 hours
- PHYS 222 - University Physics II 4 hours
- PHYS 223 - University Physics Laboratory I (IN-7) 1 hour
- PHYS 224 - University Physics Laboratory II 1 hour

**MATHEMATICS, B.A.**

Major	34
Cognates	4-5
Minor	18
General Education	39-42
Elementary Foreign Language*	0-6
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

**Required Courses**

- MATH 191 - Calculus I 4 hours
- MATH 192 - Calculus II 4 hours
- MATH 201 - Intermediate Linear Algebra 3 hours
- MATH 218 - Calculus III 4 hours
- MATH 219 - Set Theory and Logic 3 hours
- MATH 312 - History of Mathematics (W) 3 hours
- MATH 315 - Differential Equations 3 hours
- MATH 318 - Abstract Algebra 3 hours
- MATH 410 - Real Analysis 3 hours
- MATH 490 - Senior Capstone 1 hour
- MATH UD Electives 3 hours

**TOTAL 34 HOURS**

\*Elementary Foreign Language or two years of foreign language in high school 0-6 hours

**Required Cognates**

Select Option 1, Option 2 or Option 3

**Option 1**

CPTR 124 - Fundamentals of Programming 4 hours

**Option 2**

PHYS 211 - General Physics I (IN-7) 3 hours

PHYS 213 - General Physics Laboratory I (IN-7) 1 hour

**Option 3**

PHYS 221 - University Physics I (IN-7) 4 hours

PHYS 223 - University Physics Laboratory I (IN-7) 1 hour

**MATHEMATICS, TEACHING LICENSURE, 6-12, B.A.**

Major	37
Cognates	4-5
General Education	23-27
Foreign Language*	0-6
Professional Education	36
SDA Certification	14
Electives to = 124	

**TOTAL 124-125**

*\*Elementary Foreign Language or two years of foreign language in high school for Mathematics, B.A.  
0-6 hours*

**Required Courses**

MATH 191 - Calculus I 4 hours

MATH 192 - Calculus II 4 hours

MATH 201 - Intermediate Linear Algebra 3 hours

MATH 215 - Statistics (IN-4) 3 hours

MATH 218 - Calculus III 4 hours

MATH 219 - Set Theory and Logic 3 hours

MATH 312 - History of Mathematics (W) 3 hours

MATH 315 - Differential Equations 3 hours

MATH 318 - Abstract Algebra 3 hours

MATH 410 - Real Analysis 3 hours

MATH 415 - Geometry 3 hours

MATH 490 - Senior Capstone 1 hour

**TOTAL 37 HOURS**

**Option 1**

CPTR 124 - Fundamentals of Programming 4 hours

**Option 2**

PHYS 211 - General Physics I (IN-7) 3 hours

PHYS 213 - General Physics Laboratory I (IN-7) 1 hour

**Option 3**

PHYS 221 - University Physics I (IN-7) 4 hours

PHYS 223 - University Physics Laboratory I (IN-7) 1 hour

**Professional Education Requirements**

Secondary licensure in Mathematics requires a baccalaureate degree and completion of professional education courses (see Professional Education) for licensure. See further explanations in the School of Education and Psychology section.



The student must apply for Initial Admission to the Teacher Education Program (usually by the end of the sophomore year) after completing all requirements as outlined under **ADMISSION PROCEDURES** in the School of Education and Psychology section of the Catalog. Initial admission is required before the student can enroll in upper division education courses.

The student must also complete an application and all other requirements for Admission to Student Teaching. Prior to the professional semester, the student must take and pass the PRAXIS II licensure exam-both the appropriate section of the Principles of Learning and Teaching, and the particular specialty test(s) for the licensure area(s).

### Required Courses

- EDUC 138 - Introduction to and Foundations of Secondary Education 3 hours
- EDUC 201 - Teacher Education Candidacy 0 hours
- EDUC 317 - Teaching with Technology 2 hours
- EDUC 338 - Foundations of Inclusive Education (SERV-2) 3 hours
- EDUC 341 - General Methods and Assessment 3 hours
- EDUC 342 - Curriculum and Content Methods - Secondary 2 hours
- EDUC 343 - Learning Theories and Classroom Management 3 hours
- EDUC 419 - Philosophy and Leadership in Christian Education (W) (SERV-2) 3 hours
- EDUC 434 - Reading and Writing in the Content Areas 2 hours
- EDUC 464 - Teaching Seminar 2 hours
- EDUC 472 - Enhanced Student Teaching - Secondary (SERV-2) 10 hours
- PSYC 128 - Developmental Psychology (IN-8) 3 hours

**TOTAL 36 HOURS**

### SDA Certification

- HLED 173 - Health for Life 2 hours
- RELB/RELT - Biblical Studies/Theological Studies 3 hours
- REL - Upper division religion elective 3 hours
- RELT 138 - Adventist Heritage (R-2) 3 hours
- RELT 225 - Last-Day Events (R-2) 3 hours

**TOTAL 14 HOURS**

## Mathematics Teaching Endorsement

An endorsement to teach mathematics as an additional field may be obtained by completing a major and secondary certification in another field and by completing a minor in mathematics that includes the following courses:

- EDUC 342 Curriculum and Content Methods - Secondary 2 hours
- MATH 191 Calculus I 4 hours
- MATH 192 Calculus II 4 hours
- MATH 201 Intermediate Linear Algebra 3 hours
- MATH 215 Statistics (IN-4) 3 hours
- MATH 219 Set Theory and Logic 3 hours
- MATH 415 Geometry 3 hours
- MATH UD Elective 3 hours

**TOTAL 25 HOURS**

## MATHEMATICS MINOR

### Required Courses

- MATH 191 - Calculus I 4 hours
- MATH 192 - Calculus II 4 hours
- Math Electives (6 UD) 10 hours

**TOTAL 18 HOURS**

## ACTUARIAL STUDIES

Students interested in the actuarial profession should attain a B.A. Mathematics degree which includes MATH 327 with CPTR 124 as cognate and the following School of Business courses leading to a minor in Business Administration:

- ACCT 221 Principles of Accounting I 3 hours
- ACCT 222 Principles of Accounting II 3 hours
- BMKT 326 Principles of Marketing 3 hours
- ECON 224 Principles of Macroeconomics 3 hours
- ECON 225 Principles of Microeconomics 3 hours
- FNCE 315 Principles of Finance 3 hours
- FNCE 455 Fundamentals of Investments 3 hours
- MGNT 344 Human Resource Management 3 hours

# Modern Languages

**Chair:** Adrienne Royo

**Faculty:** Pierre Nzokizwa, Adrienne Royo

**Adjunct Faculty:** Darwin Ayscue, Ana Barrios, Claryce Caviness, Trent Hudson, Jeffrey Jordan, Leslie Morrow, Karina Savelio, Moritz Wieser

## **Program Coordinators:**

French, Pierre Nzokizwa  
French, Teacher Certification, Pierre Nzokizwa  
International Studies, Pierre Nzokizwa, Adrienne Royo  
Spanish, Adrienne Royo  
Spanish, Teacher Certification, Adrienne Royo

The Modern Languages Department at Southern Adventist University combines language study with experience abroad and academic courses. Southern offers interdisciplinary degrees in French, French Teaching, International Studies, Spanish, and Spanish Teaching. The International Studies degree will enhance students' ability to live and work in an international setting. Students discover French, German, Italian, and Spanish not only as living languages but also as reflections of many cultures and peoples.

The Modern Languages Department also offers majors in French and Spanish, minors in Arabic, Chinese, French, German, Italian, and Spanish; and language courses in American Sign Language, for those students wishing to gain a deeper understanding of cultures within a global context through the study of language, literature, and society. The French and Spanish majors also provide the necessary background for graduate study. In addition, the department offers French and Spanish Teaching Licensure majors for students interested in elementary and secondary education. Students seeking teacher certification should also pursue the teaching major.

The ability to communicate with people is increasingly essential in today's global community, and knowledge of other cultures and cultural experiences should be a key part of the background of a well-educated individual, particularly of those with a sense of world mission. By introducing students to another language and giving them opportunities and exposure to experience other cultures, the Modern Languages Department at Southern Adventist University strives to help students to overcome stereotypes and prejudices, fosters a spirit of appreciation and inclusiveness, and facilitates easier communication and interaction with persons of other languages and cultures.

## **Mission Statement**

The Modern Languages Department at Southern Adventist University provides a Christian learning environment that enhances the understanding of other cultures, and promotes a global dialogue by widening horizons, broadening perspectives, and deepening self-understanding as a worldwide family.

## **Assessment**

The assessment of majors in International Studies consists of three basic sections: First the candidates write an evaluation of the departmental program to state their perception of the program's effectiveness in achieving its objectives. Second, the candidates take a departmental exam to demonstrate their degree of success in achieving near native mastery of the target language in the areas of listening, reading, writing, and speaking. Third, the candidates take an oral examination focusing on their knowledge and appreciation of the culture of the peoples who speak the target language. A key element of this interview is the candidate's ability to compare and contrast the target culture with their own, and

to show how they relate, contribute to, and enrich each other. The candidate will earn a minimum grade of “B” (84-86%) on the DEE.

The assessment of students majoring in French and French Teaching is also a departmental oral and written examination. Candidates will demonstrate a passing degree of knowledge and appreciation of French speaking cultures, their literary expression, and the ability to understand the complexities in their own context not only in Europe and the Americas, but as part of global society. This required exam is the MCE (Major Comprehensive Exam), for both French and Spanish.

The assessment of students majoring in Spanish, and Spanish Teaching consists of a departmental oral and written examination. Candidates will earn a minimum grade of “B” (84%) as they demonstrate their knowledge and appreciation of Spanish speaking cultures, their literary expression, and the ability to understand many of the complexities affecting and resulting from the Spanish, and Spanish-American experience in their own context and when in contact with other cultures not only in the American continent, but in relation to global society.

### **Adventist Colleges Abroad (ACA)**

Southern Adventist University is a member of Adventist Colleges Abroad (ACA), a consortium of colleges and universities operated by the Board of Higher Education of the North American Division of the Seventh-day Adventist Church. This consortium affords the opportunity to qualified students for international study while completing the requirements of their programs at their home campus. The program allows students to immerse themselves in the culture and life of the host country and gain various levels of fluency in the language; to mature socially, spiritually, and intellectually; and to develop sensitivity to cultural differences and a sense of responsibility for and mission to other societies of the world. The following institutions are internationally affiliates of ACA offering academic year programs of study:

Argentina:	Universidad Adventista del Plata, Libertador San Martin: Spanish Language, Latin American Culture, and Latin American Literature
Austria:	Seminar Schloss Bogenhofen, St. Peter am Hart: German Language, Culture, and Literature
Brazil:	Faculdade Adventista da Bahia: Portuguese Language, Culture, and Literature
England:	Newbold College, Binfield, United Kingdom: English Language, Culture, and Literature
France:	Campus Adventiste du Saleve, Collonges-sous Saleve: French Language, Culture, and Literature
Germany:	Friedensau Adventist University, Friedensau bei Burg: German Language, Culture, and Literature
Italy:	Istituto Avventista Villa Aurora, Florence: Italian Language, Culture, and Literature
Lebanon:	Middle East University, Beirut; Arabic Language, Culture, and Literature
Spain:	Seminario Adventista Espanol, Sagunto: Spanish Language, Culture, and Spanish Literature

In addition to academic-year programs, ACA offers six to eight-week summer terms at the following international study centers:

Argentina:	Universidad Adventista del Plata, Libertador San Martin: Spanish Language, Latin American Culture, and Literature
Austria:	Seminar Schloss Bogenhofen, St. Peter am Hart: German
Brazil:	Faculdade Adventista da Bahia: Portuguese
France:	Centre Universitaire et Pedagogique du Saleve, Collonges-sous-Saleve: French

Israel:	Middle East University, Lebanon; Arabic
Italy:	Istituto Avventista Villa Aurora, Florence: Italian
Lebanon:	Jerusalem Study Center, Jerusalem, Israel
Spain:	Colegio Adventista de Sagunto, Sagunto: Spanish
Taiwan:	Taiwan Adventist College: Chinese

Applicants for international study need not be language majors or minor. Students majoring in various disciplines that allow for one or more elective years within the four-years curriculum may study in the year-abroad and summer sessions programs without losing credits or prolonging time before graduation by carefully planning the year(s) preceding and following their international study experience. Prerequisites for admission to ACA study abroad programs are as follows:

1. Admission as a regular student to Southern Adventist University for the summer or academic year abroad.
2. Competence in the language of the host country for Argentina, France, and Spain (minimum: one year of college or two years of secondary study with a language GPA of 3.00). This level of language competence is prerequisite to one's being considered for admission. Language competence is encouraged but not required of students enrolling in academic year programs in Austria, Germany, Italy, or Lebanon or of students in summer programs.
3. An overall college or university GPA of 2.50.
4. A good citizenship record that gives evidence of better-than-average maturity, adjustability, and congeniality.
5. Presentation of the application with all required information and signatures (academic and financial arrangements) to Southern Adventist University Admissions Office by May 1 (academic year).
6. Attendance at an ACA orientation meeting during the month of March at Southern Adventist University.

First-Year students with competence in the language are not specifically excluded from ACA academic year programs, but the course of study is usually of more benefit to sophomores and juniors, especially those who plan to major or minor in the language. Although enrolled on an international campus, students who are registered at Southern Adventist University; are considered in-residence at this university; and are eligible for all external grants, loans, scholarships, and financial aid offered to students in attendance at Southern Adventist University. Credit earned abroad is recorded each term in Southern Adventist University Records and Advisement Office. Students must register for ACA 050 while studying abroad.

The Adventist Colleges Abroad program offers a wide variety of language courses at intermediate and advanced levels concentrating on grammar, orthography, composition, phonetics, conversation, reading, pronunciation, literature, culture, civilization, and folklore, as well as courses in art, education, geography, history, music, physical education, and religion. Some internships are available. Please see ACA bulletin or go to [acastudy-abroad.com](http://acastudy-abroad.com).

Credit earned abroad is recorded each term, but certain courses may not be transferable as specific general education credit. Contact Records and Advisement or your department/school for more information regarding transfer equivalencies.

Applicants must consult with their major advisers, the Modern Languages Department faculty, and the ACA coordinator before enrollment. Southern Adventist University personnel advise students about courses to take abroad and determine how the credits will apply toward graduation requirements. Those who carefully plan their academic-year programs with Southern Adventist University advisers may earn (between 26-32) semester hours toward a baccalaureate degree. ACA courses may apply toward the major, minor, general education, and elective requirements; credit is awarded on the basis of course prefix.

ACA courses are in high demand; applications are processed in the order received. Applications are to be downloaded at [acastudyabroad.com](http://acastudyabroad.com)

For further information:

Adventist Colleges Abroad  
 9705 Patuxent Woods Drive  
 Columbia, MD 21046  
 434.391.7278 (Evelyn Torres, Administrative Assistant)  
 434.391.7279 (Sandra Estévez, International Director)  
 E-mail: [aca@nadadventist.org](mailto:aca@nadadventist.org)  
 Website: <http://acastudyabroad.com>

## Language Placement

Students who have had previous work in the French and/ or Spanish languages wishing to take a course in those languages must take the Modern Languages Department Placement Examination. Please, visit [southern.edu/modernlanguages](http://southern.edu/modernlanguages) for further information.

Students with a Spanish speaking background taking Spanish will often enroll in SPAN 243 Conversation and Composition. However, some students enroll at the intermediate level after the Placement Examination while others place high enough to take the Challenge examination for the intermediate level (3+3 SH) . These examinations are offered year around through Southern's Testing Center. Students are allowed to challenge the same exam only once. Please, visit [southern.edu/modernlanguages](http://southern.edu/modernlanguages) for further information. There are, at the present time, twelve different languages which students can challenge.

Those unsure of what course to enroll in should consult with the Modern Languages Department faculty at any time.

## Major Programs

**Degrees.** B.A. French, International Studies, Spanish, French and Spanish Teaching.

**Placement Level.** Students who intend to enroll in a French or Spanish language course, who have had any background in the language must take the "Placement Examination."

**Exceptions.** Students who are native speakers or who have otherwise acquired advanced language proficiency are encouraged to take the "Challenge Examination" offered by the department. Otherwise, students with no background in a language begin at the 101 level.

**Departmental Majors.** The Modern Languages Department offers language courses to satisfy the B.A. language requirement. A major in International Studies with emphasis in French, German, Italian or Spanish is offered. Majors in French, Spanish, and French or Spanish Teaching are also offered.

Students planning majors or minors should contact the department early in their studies for a list of required courses. Those students with questions about their major or minor should refer to the Catalog and/or contact Modern Languages faculty. Those students with transferred language credit from another college or university should meet with a faculty adviser early in their studies regarding major or minor course equivalents.

Students must earn a grade of C or better in all course work that is to count toward a department major or minor.

**Departmental Minors.** The department offers minors in Arabic, Chinese, French, German, Italian, and Spanish.

**Teaching Major, Certification.** Students planning to obtain Teaching certification must include the required professional education courses and any additional General Education requirements in their program as outlined in the School of Education and Psychology section of this Catalog under "Requirements for Certification."

The student must apply for initial admission to the Teacher Education Program (usually by the end of the sophomore year) after completing all requirements as outlined under **ADMISSION PROCEDURES** in the School of Education and Psychology section of the Catalog. Initial admission is required before a student can enroll in upper division education courses.

The student must also complete an application and all other requirements for Admission to Student Teaching. Prior to the professional semester, the student must take and pass the PRAXIS II licensure exam—both the appropriate section of the principles of Learning and Teaching, and particular specialty test(s) for the licensure area(s).

Students returning from any of Adventist Colleges Abroad (ACA), after fulfilling studies in French, German, Italian, or Spanish languages must meet with Modern Languages faculty upon returning to Southern. This meeting is an assessment of the course work finished abroad, and advising of subsequent required course work towards a major offered at Southern.

## International Studies Majors

ALL students majoring in International Studies with emphasis in French, German, Italian, or Spanish **MUST** take MDLG 490 and take the “Departmental Exit Examination” (DEE) prior to graduation. The exception to taking the DEE is if a student receives a B2, C1, or C2 in the Proficiency Language Exam taken while abroad in their ACA Program of Studies. Even if the student is exempt from the DEE, they must register for and complete MDLG 490 but would not be required to site for the DEE. This examination evaluates candidate’s writing, reading, speaking, and listening skills in the language of study. Students will earn a minimum grade of “B” (84-86) in this examination. Also, each student must take MDLG 350/MDLG 450 (1+1) to maintain language proficiency in preparation for the DEE as well as career preparatory. To this end all students must also take MDLG 490 (1 hr) to prepare for such examination.

## French and Spanish Majors

ALL French/Spanish majors who studied abroad for one (1) full academic year at any of our ACA locations (Argentina, France, or Spain), who took a Culture and Civilization course equivalent to 3 SH, a literature course also equivalent to 3 SH, upon returning to Southern will need to take three (3) upper division courses in their majors from the required course list, FREN 490/SPAN 490, and cognate courses, if necessary. These courses **MUST** be taken at Southern. These students will earn a minimum grade of “C” (2.00) in all courses.

If any French/Spanish major has not taken any of the courses mentioned above, they **MUST** take four (4) upper division courses from the Modern Languages Department at Southern, FREN 490/SPAN 490 and cognate courses, if necessary. These students will earn a minimum grade of “C” (2.00) in all courses. ALL FREN/SPAN majors **MUST** pass a written/oral “Major Comprehensive Examination” (MCE) during their last semester and prior to graduation. This examination evaluates candidate’s writing, reading, speaking, and listening skills in the language of study, and provides a platform for analysis and discussion of courses’ content in their respective majors. Students will earn a minimum grade of “B” (84-86) in this examination.

## FRENCH, B.A.

Major	34
Minor	18
General Education	39-42
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

**Required Core**

- ELIT 216 - Approaches to Literature (IN-10) 3 hours
- FREN 490 - Comprehensive Examination Preparation 1 hour

**Required Courses****Select 27 hours from the following:**

- FREN 207 - Intermediate French I 3 hours
- FREN 208 - Intermediate French II 3 hours
- FREN 244 - French Composition and Conversation 3 hours
- FREN 305 - French for Business 3 hours
- FREN 344 - Advanced French Composition and Conversation 3 hours
- FREN 350 - French Linguistics 3 hours
- FREN 353 - Contemporary French Culture and Civilization (SERV-2) 3 hours
- FREN 358 - Survey of French 17th and 18th Centuries Literature (W) 3 hours
- FREN 458 - Survey of French 19th and 20th Centuries Literature (W) 3 hours
- FREN 459 - Francophone Cultures and Literatures (W) 3 hours
- MDLG 230 - Critical Methods in Languages 3 hours

**Select three (3) hours from the following:**

- HIST 356 - Race, Ethnicity, and Immigration in American History (IN-6) (W) 3 hours
- HIST 375 - Ancient Mediterranean World (IN-6) (W) 3 hours
- HIST 386 - Medieval Europe (IN-6) (W) 3 hours
- HIST 471 - Western Political Thought through the Renaissance (W) 3 hours
- HIST 472 - Western Political Thought since the Renaissance (W) 3 hours

**TOTAL 34 HOURS**

Students majoring in French are required to travel abroad for one (1) academic year to conduct studies at ACA (Collonges, France). They are also highly recommended to fulfill this requirement during their sophomore year. Students who minor in French are **STRONGLY ADVISED** to study one semester or one summer at ACA (Collonges, France).

*Note: French-speaking students who completed secondary education in France or in a French-speaking country are exempt from this requirement.*

**FRENCH, TEACHING LICENSURE, PRE K-12, B.A.**

Major	31
General Education	30
Professional Education	36
SDA Certification	14
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

**Required Core**

- FREN 207 - Intermediate French I 3 hours
- FREN 208 - Intermediate French II 3 hours
- FREN 244 - French Composition and Conversation 3 hours
- FREN 344 - Advanced French Composition and Conversation 3 hours
- FREN 350 - French Linguistics 3 hours
- FREN 353 - Contemporary French Culture and Civilization (SERV-2) 3 hours
- FREN 490 - Comprehensive Examination Preparation 1 hour
- MDLG 230 - Critical Methods in Languages 3 hours

**Select three (3) hours from the following:**

- FREN 358 - Survey of French 17th and 18th Centuries Literature (W) 3 hours
- FREN 458 - Survey of French 19th and 20th Centuries Literature (W) 3 hours
- FREN UD Literature 3 hours



**Select three (3) hours from the following:**

- HIST 356 - Race, Ethnicity, and Immigration in American History (IN-6) (W) 3 hours
- HIST 375 - Ancient Mediterranean World (IN-6) (W) 3 hours
- HIST 386 - Medieval Europe (IN-6) (W) 3 hours
- HIST 471 - Western Political Thought through the Renaissance (W) 3 hours
- HIST 472 - Western Political Thought since the Renaissance (W) 3 hours

**Select three (3) hours from the following:**

- ELIT 214 - Survey of American Literature (IN-10) 3 hours
- ELIT 215 - Survey of English Literature (IN-10) 3 hours
- ENGL 202 - Grammar and Its Consequences (SERV-2) 3 hours
- ENGL 317 - Introduction to Linguistics 3 hours
- ENGL 420 - Technical and Professional Writing 3 hours

**TOTAL 31 HOURS**

Students majoring in French who are seeking teaching certification are required to travel abroad for one (1) academic year to conduct studies at ACA (Collonges, France). They are also highly recommended to fulfill this requirement during their sophomore year. Students who minor in French are STRONGLY ADVISED to study one semester or one summer at ACA (Collonges, France).

*Note: French-speaking students who completed secondary education in France or in a French-speaking country are exempt from this requirement.*

**Professional Education Requirements**

- EDUC 138 - Introduction to and Foundations of Secondary Education 3 hours
- EDUC 201 - Teacher Education Candidacy 0 hours
- EDUC 317 - Teaching with Technology 2 hours
- EDUC 338 - Foundations of Inclusive Education (SERV-2) 3 hours
- EDUC 341 - General Methods and Assessment 3 hours
- EDUC 342 - Curriculum and Content Methods - Secondary 2 hours
- EDUC 343 - Learning Theories and Classroom Management 3 hours
- EDUC 419 - Philosophy and Leadership in Christian Education (W) (SERV-2) 3 hours
- EDUC 434 - Reading and Writing in the Content Areas 2 hours
- EDUC 464 - Teaching Seminar 2 hours
- EDUC 473 - Enhanced Student Teaching K-12 (SERV-2) 10 hours
- PSYC 128 - Developmental Psychology (IN-8) 3 hours

**TOTAL 36 HOURS****SDA Certification**

- HLED 173 - Health for Life 2 hours
- RELB/RELT - Biblical Studies/Theological Studies 3 hours
- REL - Upper division religion elective 3 hours
- RELT 138 - Adventist Heritage (R-2) 3 hours
- RELT 255 - Christian Beliefs (R-2) 3 hours

**TOTAL 14 HOURS****INTERNATIONAL STUDIES, FRENCH EMPHASIS, B.A.**

Major	24
Humanities	18
Minor	18
General Education	39
Electives to =	124

**TOTAL 124**

**Language Component**

Elementary level of language (French, German, OR Spanish) prior to travel to ACA is strongly recommended 6 hours

One year of Intermediate-Advanced language courses at ACA including 3 semester hours in Culture and Civilization and 3 semester hours in Literature/History 18 hours

**TOTAL 24 HOURS**

**Humanities (at Southern)**

COMM 330 - Intercultural Communication (W) 3 hours

FREN 358 - Survey of French 17th and 18th Centuries Literature (W) 3 hours

MDLG 230 - Critical Methods in Languages 3 hours

MDLG 350 - Global Citizenship Seminar I 1 hour

MDLG 450 - Global Citizenship Seminar II 1 hour

MDLG 490 - MLD Exit Examination (DEE) 1 hour

**Select three (3) hours from the following:**

ELIT 214 - Survey of American Literature (IN-10) 3 hours

ELIT 215 - Survey of English Literature (IN-10) 3 hours

ENGL 202 - Grammar and Its Consequences (SERV-2) 3 hours

ENGL 317 - Introduction to Linguistics 3 hours

ENGL 420 - Technical and Professional Writing 3 hours

**Select three (3) hours from the following:**

HIST 356 - Race, Ethnicity, and Immigration in American History (IN-6) (W) 3 hours

HIST 375 - Ancient Mediterranean World (IN-6) (W) 3 hours

HIST 471 - Western Political Thought through the Renaissance (W) 3 hours

HIST 472 - Western Political Thought since the Renaissance (W) 3 hours

**TOTAL 18 HOURS**

**Required Courses**

FREN 207 - Intermediate French I 3 hours

FREN 208 - Intermediate French II 3 hours

FREN 221 - Intermediate Composition\*

FREN 251 - Intermediate Oral Exp\*

FREN 321 - Adv Composition I\*

FREN 331 - Orthography

FREN 341 - Adv Grammar\*

FREN 351 - Adv Oral Expression I\*

FREN 361 - Text Analysis\*

FREN 376 - French Civilization\*

**TOTAL 42 HOURS**

*\*See Adventist Colleges Abroad Catalog for course descriptions*

**INTERNATIONAL STUDIES, GERMAN EMPHASIS, B.A.**

Major	24
Humanities	18
Minor	18
General Education	39
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

**Language Component**

Elementary level of language (French, German, OR Spanish) prior to travel to ACA is strongly recommended 6 hours

One year of Intermediate-Advanced language courses at ACA including 3 semester hours in Culture and Civilization and 3 semester hours in Literature/History 18 hours

**TOTAL 24 HOURS**

**Humanities (at Southern)**

COMM 330 - Intercultural Communication (W) 3 hours

MDLG 230 - Critical Methods in Languages 3 hours

MDLG 350 - Global Citizenship Seminar I 1 hour

MDLG 450 - Global Citizenship Seminar II 1 hour

MDLG 490 - MLD Exit Examination (DEE) 1 hour

ELIT 445 - Ancient Classics (IN-10) (W) 3 hours

OR UD GRMN Literature Course 3 hours

**Select three (3) hours from the following:**

ELIT 214 - Survey of American Literature (IN-10) 3 hours

ELIT 215 - Survey of English Literature (IN-10) 3 hours

ENGL 202 - Grammar and Its Consequences (SERV-2) 3 hours

ENGL 317 - Introduction to Linguistics 3 hours

ENGL 420 - Technical and Professional Writing 3 hours

**Select three (3) hours from the following:**

HIST 356 - Race, Ethnicity, and Immigration in American History (IN-6) (W) 3 hours

HIST 375 - Ancient Mediterranean World (IN-6) (W) 3 hours

HIST 471 - Western Political Thought through the Renaissance (W) 3 hours

HIST 472 - Western Political Thought since the Renaissance (W) 3 hours

**TOTAL 18 HOURS**

**Required Courses (at Bogenhofen, Austria)**

GRMN 207 - Intermediate German I 3 hours

GRMN 208 - Intermediate German II 3 hours

GRMN 211 - Intermediate Written Expression\*

GRMN 221 - Intermediate Reading Comprehension\*

GRMN 254 - Survey of German Lit\*

GRMN 306 - Advanced Oral Expression\*

GRMN 311 - Advanced Written Expression\*

GRMN 325 - Advanced Reading Comprehension\*

HIST 267 - European Civilization\*

**TOTAL 39 HOURS**

*\*See Adventist Colleges Abroad Catalog for course descriptions*

**Required Courses (at Friedensau, Germany)**

GRMN 207 - Intermediate German I 3 hours

GRMN 208 - Intermediate German II 3 hours

GRMN 231 - Intermediate Oral Expression\*

GRMN 257 - German Literature\*

GRMN 281 - Cultural Studies\*

GRMN 309 - Advanced Grammar\*

GRMN 318 - Advanced Comprehensive German\*

GRMN 328 - Advanced Reading\*

HIST 288 - German History\*

**TOTAL 42 HOURS**

*\*See Adventist Colleges Abroad Catalog for course descriptions*

**INTERNATIONAL STUDIES, ITALIAN EMPHASIS, B.A.**

Major	24
Humanities	18
Minor	18
General Education	39
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

**Language Component**

Elementary level of language (French, German, OR Spanish) prior to travel to ACA is strongly recommended 6 hours

One year of Intermediate-Advanced language courses at ACA including 3 semester hours in Culture and Civilization and 3 semester hours in Literature/History 18 hours

**TOTAL 24 HOURS**

**Humanities (at Southern)**

COMM 330 - Intercultural Communication (W) 3 hours

ELIT 445 - Ancient Classics (IN-10) (W) 3 hours

MDLG 230 - Critical Methods in Languages 3 hours

MDLG 350 - Global Citizenship Seminar I 1 hour

MDLG 450 - Global Citizenship Seminar II 1 hour

MDLG 490 - MLD Exit Examination (DEE) 1 hour

**Select three (3) hours from the following:**

ELIT 214 - Survey of American Literature (IN-10) 3 hours

ELIT 215 - Survey of English Literature (IN-10) 3 hours

ENGL 202 - Grammar and Its Consequences (SERV-2) 3 hours

ENGL 317 - Introduction to Linguistics 3 hours

ENGL 420 - Technical and Professional Writing 3 hours

**Select three (3) hours from the following:**

HIST 356 - Race, Ethnicity, and Immigration in American History (IN-6) (W) 3 hours

HIST 375 - Ancient Mediterranean World (IN-6) (W) 3 hours

HIST 471 - Western Political Thought through the Renaissance (W) 3 hours

HIST 472 - Western Political Thought since the Renaissance (W) 3 hours

**TOTAL 18 HOURS**

**Required Courses**

ITAL 207 - Intermediate Italian I 3 hours

ITAL 208 - Intermediate Italian II 3 hours

GEOG 310 - Geography of Italy\*

ITLN 212 - Italian Culture\*

ITLN 313 - Italian Culture II\*

ITLN 351 - Italian Grammar\*

ITLN 361 - Italian Composition\*

ITLN 303 - Italian History\*

ITLN 333 - Italian Literature\*

ITLN 230/330 -History of Italian Art\*

ITLN 360 - Italy and Its Culture in British and American Literature\*

ITLN 381 - Advanced Conversation\*

**TOTAL 42 HOURS**

\*See *Adventist Colleges Abroad Catalog* for course descriptions

**INTERNATIONAL STUDIES, SPANISH EMPHASIS, B.A.**

Major	24
Humanities	18
Minor	18
General Education	39
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

**Language Component**

Elementary level of language (French, German, OR Spanish) prior to travel to ACA is strongly recommended 6 hours

One year of Intermediate-Advanced language courses at ACA including 3 semester hours in Culture and Civilization and 3 semester hours in Literature/History 18 hours

**TOTAL 24 HOURS**

**Humanities (at Southern)**

COMM 330 - Intercultural Communication (W) 3 hours

MDLG 230 - Critical Methods in Languages 3 hours

MDLG 350 - Global Citizenship Seminar I 1 hour

MDLG 450 - Global Citizenship Seminar II 1 hour

MDLG 490 - MLD Exit Examination (DEE) 1 hour

ELIT 445 - Ancient Classics (IN-10) (W) 3 hours

OR UD SPAN Literature Course 3 hours

**Select three (3) hours from the following:**

ELIT 214 - Survey of American Literature (IN-10) 3 hours

ELIT 215 - Survey of English Literature (IN-10) 3 hours

ENGL 202 - Grammar and Its Consequences (SERV-2) 3 hours

ENGL 317 - Introduction to Linguistics 3 hours

ENGL 420 - Technical and Professional Writing 3 hours

**Select three (3) hours from the following:**

HIST 356 - Race, Ethnicity, and Immigration in American History (IN-6) (W) 3 hours

HIST 375 - Ancient Mediterranean World (IN-6) (W) 3 hours

HIST 471 - Western Political Thought through the Renaissance (W) 3 hours

HIST 472 - Western Political Thought since the Renaissance (W) 3 hours

**TOTAL 18 HOURS**

**Required Courses**

SPAN 207 - Intermediate Spanish I (SERV-2) 3 hours

SPAN 208 - Intermediate Spanish II (SERV-2) 3 hours

SPAN 261 - Interm Spanish Composition\*

SPAN 271 - Interm Span Conversation\*

SPAN 351 - Adv Spanish Grammar\*

SPAN 361 - Adv Spanish Composition\*

SPAN 371 - Adv Spanish Conversation\*

**ACA in Spain**

SPAN 312 - Spain and Its Culture\*

SPAN 331 - History of Spanish Lit \*

**ACA in Argentina**

HIST 345 - History of Argentina\*

SPAN 332 - Latin American Literature\*

**TOTAL 42 HOURS**

\*See *Adventist Colleges Abroad Catalog* for course descriptions

**SPANISH, B.A.**

Major	31
Minor	18
General Education	42-45
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

**Required Courses**

- MDLG 230 - Critical Methods in Languages 3 hours
- SPAN 207 - Intermediate Spanish I (SERV-2) 3 hours
- SPAN 208 - Intermediate Spanish II (SERV-2) 3 hours
- SPAN 243 - Composition and Conversation 3 hours
- SPAN 354 - Hispanic Culture and Civilization (SERV-2) 3 hours
- SPAN 355 - Survey of Spanish Literature (W) 3 hours
- SPAN 356 - Survey of Spanish-American Literature (W) 3 hours
- SPAN 490 - Comprehensive Examination Preparation 1 hour

**Select three (3) hours from the following:**

- ELIT 214 - Survey of American Literature (IN-10) 3 hours
- ELIT 215 - Survey of English Literature (IN-10) 3 hours
- ENGL 202 - Grammar and Its Consequences (SERV-2) 3 hours
- ENGL 317 - Introduction to Linguistics 3 hours
- ENGL 420 - Technical and Professional Writing 3 hours

**Select six (6) hours from the following:**

- HIST 351 - Colonial Latin America (IN-6) (W) 3 hours
- HIST 375 - Ancient Mediterranean World (IN-6) (W) 3 hours
- HIST 386 - Medieval Europe (IN-6) (W) 3 hours
- HIST 471 - Western Political Thought through the Renaissance (W) 3 hours
- HIST 472 - Western Political Thought since the Renaissance (W) 3 hours

**TOTAL 31 HOURS**

Students majoring in Spanish are required to travel abroad for one (1) academic year, to conduct studies at one of the ACA locations (Argentina or Spain). It is highly recommended that students fulfill this requirement during their sophomore year.

*Note: Native Spanish-speaking students who completed secondary education in a Spanish-speaking country are exempt from this requirement.*

**SPANISH, TEACHING LICENSURE, PRE K-12, B.A.**

Major	31
General Education	30
Professional Education	36
SDA Certification	14
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

**Required Courses**

- MDLG 230 - Critical Methods in Languages 3 hours
- SPAN 207 - Intermediate Spanish I (SERV-2) 3 hours
- SPAN 208 - Intermediate Spanish II (SERV-2) 3 hours
- SPAN 243 - Composition and Conversation 3 hours
- SPAN 354 - Hispanic Culture and Civilization (SERV-2) 3 hours
- SPAN 355 - Survey of Spanish Literature (W) 3 hours
- SPAN 356 - Survey of Spanish-American Literature (W) 3 hours
- SPAN 490 - Comprehensive Examination Preparation 1 hour

- HIST 351 - Colonial Latin America (IN-6) (W) 3 hours  
 OR HIST 375 - Ancient Mediterranean World (IN-6) (W) 3 hours

**Select three (3) hours from the following:**

- HIST 351 - Colonial Latin America (IN-6) (W) 3 hours  
 HIST 375 - Ancient Mediterranean World (IN-6) (W) 3 hours  
 HIST 386 - Medieval Europe (IN-6) (W) 3 hours  
 HIST 471 - Western Political Thought through the Renaissance (W) 3 hours  
 HIST 472 - Western Political Thought since the Renaissance (W) 3 hours

**Select three (3) hours from the following:**

- ELIT 214 - Survey of American Literature (IN-10) 3 hours  
 ELIT 215 - Survey of English Literature (IN-10) 3 hours  
 ENGL 202 - Grammar and Its Consequences (SERV-2) 3 hours  
 ENGL 317 - Introduction to Linguistics 3 hours  
 ENGL 420 - Technical and Professional Writing 3 hours

**TOTAL 31 HOURS**

Students majoring in Spanish who are seeking teaching certification are required to travel abroad for one (1) academic year, to conduct studies at one of the ACA locations (Argentina or Spain). It is highly recommended that students fulfill this requirement during their sophomore year.

*Note: Native Spanish-speaking students who completed secondary education in a Spanish-speaking country are exempt from this requirement.*

**Professional Education Requirements**

- EDUC 138 - Introduction to and Foundations of Secondary Education 3 hours  
 EDUC 201 - Teacher Education Candidacy 0 hours  
 EDUC 317 - Teaching with Technology 2 hours  
 EDUC 338 - Foundations of Inclusive Education (SERV-2) 3 hours  
 EDUC 341 - General Methods and Assessment 3 hours  
 EDUC 342 - Curriculum and Content Methods - Secondary 2 hours  
 EDUC 343 - Learning Theories and Classroom Management 3 hours  
 EDUC 419 - Philosophy and Leadership in Christian Education (W) (SERV-2) 3 hours  
 EDUC 434 - Reading and Writing in the Content Areas 2 hours  
 EDUC 464 - Teaching Seminar 2 hours  
 EDUC 473 - Enhanced Student Teaching K-12 (SERV-2) 10 hours  
 PSYC 128 - Developmental Psychology (IN-8) 3 hours

**TOTAL 36 HOURS**

**SDA Certification**

- HLED 173 - Health for Life 2 hours  
 RELB/RELT - Biblical Studies/Theological Studies 3 hours  
 REL - Upper division religion elective 3 hours  
 RELT 138 - Adventist Heritage (R-2) 3 hours  
 RELT 255 - Christian Beliefs (R-2) 3 hours

**TOTAL 14 HOURS**

**ARABIC MINOR\***

As the native language of over 280 million people, one of the six working languages in the United Nations and one of the thirteen critical languages identified by the Department of State, Arabic is a language for which there is a great demand. Not only is this language critical for the U.S. government, it is also critical for the SDA Church. The recently reorganized Greater Middle East Union now reports directly to the General Conference as part of a renewed focus on this region of the world. Therefore, the SDA Church is in need of a group of people who are proficient in this language. The acceptance of the Arabic program and MEU as a member of the ACA Consortium is in keeping with the mission of

the SDA World Church. Both were accepted and voted in March 2012 by the ACA Board and the NAD.

The Modern Languages Department at Southern is currently promoting ONLY a full academic year program at MEU as proposed to and accepted by the ACA Board. We would like those students attending this program to earn a minor in Arabic.

### Required Courses

- ARAB 111 Basic Grammar 3 hours
- ARAB 121 Basic Conversation 3 hours
- ARAB 131 Basic Writing 3 hours
- ARAB 141 Basic Reading 3 hours

**Select one (1) of the following courses during the second semester at MEU Beirut-Lebanon. These are hybrid courses taught in Arabic and English:**

- ARAB 260 Current Events in the Arab World 2 hours
- ARAB 270 Arab People and Their Culture 2 hours
- ARAB 280 Religion 2 hours\*\*

**Select six (6) hours at Southern:**

- HIST 345 - Middle Eastern Politics and History (IN-6) (W) 3 hours
- RELT 458 - World Religions (W) (R-4) 3 hours

**TOTAL 20 HOURS**

*\*ARAB 110/120/130/140 will be completed at MEU the first semester of the academic year abroad.*

*\*\*This course will give an overview of the Bible with special emphasis on the life of Jesus Christ as portrayed through the gospel accounts.*

## FRENCH MINOR

### Required Courses

- FREN 207 - Intermediate French I 3 hours
  - FREN 208 - Intermediate French II 3 hours
  - FREN 244 - French Composition and Conversation 3 hours
  - FREN 344 - Advanced French Composition and Conversation 3 hours
  - FREN 350 - French Linguistics 3 hours
  - FREN 353 - Contemporary French Culture and Civilization (SERV-2) 3 hours
- TOTAL 18 HOURS**

The beginning language courses, 101-102, are excluded from the minor. Students desiring a language minor must earn 12 credits beyond the intermediate level either at Southern or through ACA .

## GERMAN MINOR

### Required Courses

- GRMN 207, GRMN 208 6 hours
  - UD GRMN Language Courses 6 hours
  - Elective GRMN Language Courses 6 hours
- TOTAL 18 HOURS**

The beginning language courses, 101-102, are excluded from the minor. Students desiring a language minor must earn 12 credits beyond the intermediate level either at Southern or through ACA .



## ITALIAN MINOR

### Required Courses

ITAL 207 - Intermediate Italian I 3 hours

ITAL 208 - Intermediate Italian II 3 hours

### At Villa Aurora (Italy):

GEOG 310 Geography of Italy\*

ITLN 303 Italian History\*

ITLN 313 Advanced Italian Culture\*

ITLN 351 Advanced Grammar\*

ITLN 361 Advanced Composition\*

ITLN 381 Advanced Conversation\*

*Note(s): \*See Adventist Colleges Abroad Catalog for course descriptions*

### TOTAL 18 HOURS

The beginning language courses, 101-102, are excluded from the minor. Students desiring a language minor must earn 12 credits beyond the intermediate level either at Southern or through ACA .

## SPANISH MINOR

### Required Courses

SPAN 207 - Intermediate Spanish I (SERV-2) 3 hours

SPAN 208 - Intermediate Spanish II (SERV-2) 3 hours

SPAN 243 - Composition and Conversation 3 hours

SPAN 354 - Hispanic Culture and Civilization (SERV-2) 3 hours

SPAN 355 - Survey of Spanish Literature (W) 3 hours

SPAN 356 - Survey of Spanish-American Literature (W) 3 hours

### TOTAL 18 HOURS

The beginning language courses, 101-102, are excluded from the minor. Students desiring a language minor must earn 12 credits beyond the intermediate level either at Southern or through ACA .

# School of Music

**Dean:** Peter J. Cooper

**Faculty:** Gennevieve Brown-Kibble, Laurie Redmer Cadwallader, Peter J. Cooper, Judith Glass, Kurt Miyashiro, Ken Parsons, Julie Penner

**Adjunct Faculty:** Eric Anderson, Bruce Ashton, Jan Cochrane, Ellen Francisco, Nicholas Hartline, Richard Henson, Kristen Holritz, Gordon James, Elaine Janzen, David Peyton, Mark Reneau, Ann Rylands, Sherilyn Samaan, Clinton Schmitt, Alan Shikoh

## **Program Coordinators:**

Music, Peter Cooper

Music Education, Laurie Redmer Cadwallader

The faculty of the School of Music believes that music is one of the arts given to humankind by the Creator to be used in the worship of God and to enhance the quality of life. In harmony with this philosophy, course work is offered that meets the needs of the general university student as well as music majors and minors.

Since 1968, the School of Music has been a member of the National Association of Schools of Music. Consequently, all academic programs, policies, and operations of the School of Music meet NASM standards for full accreditation.

The School of Music offers two baccalaureate degrees, the Bachelor of Music degree in music education and the Bachelor of Science degree in music. Both degrees require courses in music theory and history, as well as a high level of achievement in a major performance area. The Bachelor of Music degree emphasizes the skills necessary for teaching music, with special emphasis on the training of teachers for the Seventh-day Adventist school system.

## **Admission Requirements**

Music majors must fulfill all the general admission requirements of the University. Acceptance to the University, however, does not guarantee admission to the School of Music as a music major. The prospective music major is required to take written and aural entrance examinations in music theory and a performance examination in the applied area. To obtain Freshman Standing as a music major, the student must qualify for MUCT 111 - Music Theory I and MUPF 189 - Concentration. Continuation in the music program is contingent upon satisfactory progress toward a degree measured by regular assessment checkpoints, described in the following pages.

## **General Requirements**

### **Functional Piano**

All music majors must demonstrate functional piano ability by passing the Piano Proficiency Examination (PPE). The PPE is made up of two areas. The Skills area requires students to demonstrate mastery of 5-finger patterns, scales, triads and inversions, arpeggios, and harmonic progressions. The Applied area requires student to synthesize technical ability and musicianship through accomplished performance of piano repertoire of appropriate level of difficulty, harmonization, hymn playing, prepared accompaniment, and, for music education majors pursuing vocal endorsement, score reading of open choral scores. Students may obtain copies of the Piano Proficiency Examination Information Sheet and Piano Proficiency Examination Content in the School of Music Office.

Students must successfully complete all PPE requirements before the end of their sophomore year. Students will not be allowed to enroll for upper-division concentration or music classes until they have successfully completed all PPE requirements.

### **Private Music Instruction**

Music majors take private lessons in their major performance area for one or two credit hours each semester, depending upon their specific degree track. Specific requirements are listed under MUPF 189 and MUPF 389 course descriptions. (See Music Lesson Fees under Financial Policies section of this Catalog.)

### **Concert and Recital Attendance**

Full-time music majors (students taking 12 or more credits) are required to attend, as a non-performer, nine School approved concerts per semester, except for the student teaching semester. Attendance shall include faculty recitals, student junior and senior recitals, and music general recitals. Failure to meet this requirement will nullify music major status.

### **Music Ensemble Participation**

All music majors must be enrolled in an appropriate ensemble each semester in residence, for credit-according to the individual curricular requirements-or for audit. Exception to this is made for music education majors in the semester during which they student teach. Teacher certification candidates must, however, complete six hours of appropriate ensembles. Appropriate ensembles are defined as follows: string majors, Symphony Orchestra; wind and percussion majors, Wind Symphony; voice majors, I Cantori; keyboard majors, freshman, sophomore, junior years, large ensemble of the student's choice; senior year, chamber music. All ensemble assignments are determined by audition. Music majors and minors may be placed in an ensemble that is not listed above. Students are encouraged to participate in a variety of other ensembles as time permits.

### **Assessment**

The School of Music has an ongoing program of student assessment. This program includes the following:

#### **Performance Evaluations (Concentration)**

Music Performance Concentration (MUPF 189, MUPF 389) grades will be based on the student having met the following criteria:

- Completed at least 12 lessons for the semester. (One-half hour lesson=one semester hour credit; one hour lesson=two semester hours credit.)
- Practiced a minimum of five hours each week for each semester hour of credit. The student will keep a "Daily Practice Log" for his/her verification of meeting this requirement. (Two semester hours of credit=ten hours of practice per week.)
- Studied, completed, and performed sufficient literature to warrant the credit hours for which the individual is registered. (The number, length, and/OR difficulty level of the work(s) studied and of the work(s) prepared for performance are the basis for this criterion. Where appropriate, other factors such as memorization will be considered.)
- Performed on at least one Music General Recital during the semester. Organ students may meet this requirement through a service performance (e.g. convocation, evensong, worship service).
- Completed the end of the semester jury examination and received a performance grade as determined by the Music Faculty (50%) and the Private Lesson Instructor (50%).
- Unsatisfactory performance in any item above will negatively affect the final Performance Concentration grade.

A grade of C- or lower will not count toward the Performance Concentration requirements.

A grade of C or lower for two consecutive semesters may result in the student being dropped as a Music Major. Reinstatement can be achieved only by applying to the Music Faculty and successfully completing an audition for reinstatement in the Performance Concentration area. Audition for reinstatement may be requested only once.

### **Performance Evaluations (Applied Music)**

Applied Music (MUPF 129, MUPF 329) grades will be based on the student having met the following criteria.

- Completed at least 12 lessons for the semester. (One-half hour lesson=one semester hour credit; one hour lesson=two semester hours credit.)
- Practiced a minimum of five hours per week for each semester hour of credit. The student will keep a "Daily Practice Log" for his/her verification of meeting this requirement. (Two semester hours credit=ten hours practice per week.)
- Studied, completed, and performed sufficient literature at the individual student's level to warrant the credit hours for which the individual is registered.

Unsatisfactory performance in any item above will negatively affect the final Applied Music grade.

### **Application to Music Major Track**

Music majors with Freshman Standing must apply to the Music Faculty for acceptance to a specific track upon completion of the freshman year. The following tracks are available: B.Mus. Music Education; B.S. Music/General; B.S. Theory and Literature; B.S. Performance. The faculty's decision is based upon the following:

- Satisfactory progress in academic coursework (minimum of 2.5 grade point average in MUCT and MUHL courses).
- Satisfactory progress in performance area (based on jury evaluations).
- Other criteria specific to Music Education and Performance concentrations.

### **Sophomore Evaluation and Junior Standing**

Music majors must apply for junior standing at the end of the sophomore year. These requirements are as follows:

- An overall grade point average of 2.00 for the Bachelor of Science degree and 3.00 for the Bachelor of Music degree.
- A grade point average of 3.00 in all music courses.
- Demonstration of keyboard proficiency through passing the PPE.
- Completion of MUCT 211-MUCT 212, MUCT 221-MUCT 222.
- Completion of at least four hours of MUPF 189: Concentration.

Faculty evaluation of the application for junior standing will result in the student's receiving one of the following classifications: (a) Pass, Bachelor of Music; (b) Pass, Bachelor of Science; (c) Probation; (d) Fail. Junior Standing requirements must be met at least two semesters before graduation.

### **Senior Recital/Senior Project**

A senior recital is required of all students in the B.S. Music, B.S. Music (Performance Emphasis), and B.Mus. in Music Education. The student must be registered for private instruction until the senior recital requirement is satisfied. A faculty jury audition of the complete program must be scheduled at least three weeks before the recital date. Junior Standing as a music major is prerequisite to scheduling the senior recital audition. Unsatisfactory performance at this audition will result in a rescheduling of the recital date.

Students in the B.S Music (Theory and Literature Emphasis) must present a major research or creative project. Students will submit a proposal to the music faculty for approval no later than the end of the semester prior to enrolling in MUHL 489, at which time a faculty adviser will be assigned.

### Senior Assessment Examination

During the senior year each graduating senior will take the nationally standardized Major Field Achievement Test. The results of this examination will be used to help determine the effectiveness of the music program and the competency level of the graduates.

### Individual and Group Instruction

Courses MUPF 108, MUPF 129, and MUPF 329 are open to any student of the University as general education and/or elective credit toward all degrees. The music major or minor may not apply these toward his/her applied music concentration. Students desiring to study organ must pass the Functional Piano Examination.

Courses MUPF 189 and MUPF 389 are courses primarily for the music major and minor, but they may be taken by anyone who passes a prerequisite audition. Jury examinations are required with these course numbers.

Students enrolled in individual instruction MUPF 129, MUPF 189, MUPF 329, MUPF 389, and MUPF 489 will be charged \$175 per semester hour (12 half-hour lessons) in addition to tuition (regular or audit rate).

### Choral and Instrumental Ensembles

Choral and instrumental ensembles are open to all University students through audition. Each ensemble offers one hour credit each semester. Regular attendance at performances and rehearsals, including dress rehearsals, is required. Ensembles for which academic credit is granted are organized and sponsored by the members of the music faculty. All may be repeated for credit.

## MUSIC, B.S.

The Bachelor of Science in Music degree indicates the study of music within a liberal arts degree framework. This program is designed to meet the needs of students who wish to major in music, irrespective of specific career aspirations. Students may choose the B.S. Music degree or the B.S. Music degree with an emphasis in Performance or Theory and Literature.

Major	44
General Education	42
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

### Required Courses

- MUCT 111 - Music Theory I 3 hours
- MUCT 112 - Music Theory II 3 hours
- MUCT 121 - Aural Theory I 1 hour
- MUCT 122 - Aural Theory II 1 hour
- MUCT 211 - Music Theory III 3 hours
- MUCT 212 - Music Theory IV 3 hours
- MUCT 221 - Aural Theory III 1 hour
- MUCT 222 - Aural Theory IV 1 hour
- MUHL 218 - Musical Styles and Repertoires (IN-10) 3 hours
- MUHL 320 - Music in the Middle Ages and Renaissance (W) 2 hours
- MUPF 189 - Concentration 1-2 hours (4 hours required)
- MUPF 273 - Basic Conducting 1 hour
- MUPF 389 - Concentration 1-2 hours (3 hours required)
- MUPF 489 - Senior Recital 2 hours
- Appropriate Music Ensemble (4 hours must be UD) 6 hours
- UD Theory Elective 3 hours

**Select two (2) from the following courses:**

MUHL 321 - Music in the Late Renaissance and Baroque (W) 2 hours  
 MUHL 322 - Classic and Romantic Music (W) 2 hours  
 MUHL 323 - Music in the Twentieth and Twenty-First Centuries (W) 2 hours  
**TOTAL 44 HOURS**

**MUSIC, MUSIC AND WORSHIP EMPHASIS, B.S.**

Major	55
Cognates	4
General Education	42
Electives to=124	—
<b>TOTAL</b>	<b>124</b>

**Required Courses**

MUCH 216 - Music in the Christian Church (IN-10) 3 hours  
 MUCH 316 - Church Music, Materials, and Administration 2 hours  
 MUCH 317 - Music and Worship in the Contemporary Church 2 hours  
 MUCT 111 - Music Theory I 3 hours  
 MUCT 112 - Music Theory II 3 hours  
 MUCT 121 - Aural Theory I 1 hour  
 MUCT 122 - Aural Theory II 1 hour  
 MUCT 211 - Music Theory III 3 hours  
 MUCT 212 - Music Theory IV 3 hours  
 MUCT 221 - Aural Theory III 1 hour  
 MUCT 222 - Aural Theory IV 1 hour  
 MUCT 313 - Orchestration and Arranging 3 hours  
 MUHL 218 - Musical Styles and Repertoires (IN-10) 3 hours  
 MUHL 320 - Music in the Middle Ages and Renaissance (W) 2 hours  
 MUHL 321 - Music in the Late Renaissance and Baroque (W) 2 hours  
 MUPF 189 - Concentration 1-2 hours (4 hours required)  
 MUPF 273 - Basic Conducting 1 hour  
 MUPF 373 - Choral Conducting 2 hours  
 MUPF 389 - Concentration 1-2 hours (3 hours required)  
 Appropriate Music Ensembles\* (4 hours must be UD) 6 hours  
 MUCH 489 - Music and Worship Senior Project 2 hours  
     OR MUHL 489 - Senior Project 2 hours  
     OR MUPF 489 - Senior Recital 2 hours  
**TOTAL 51 HOURS**

*\*Required may partially be met by two (2) semesters participating in a School of Music-sanctioned Praise Team.*

**Specific area requirements as follows:****For Voice Majors**

MUPF 225 - Singers Diction I 2 hours  
 MUPF 329 - Applied Music 1-2 hours (2 hours required)  
**TOTAL 4 HOURS**

**For Organ Majors**

MUPF 279 - Service Playing 1 hour (2 hours required)  
 MUPF 129 - Applied Music 1-2 hours (2 hours required)  
     OR MUPF 329 - Applied Music 1-2 hours  
**TOTAL 4 HOURS**

**For Piano Majors**

MUPF 289 - Accompanying 1 hour (2 hours required)  
 MUPF 129 - Applied Music 1-2 hours (2 hours required)  
 OR MUPF 329 - Applied Music 1-2 hours

**TOTAL 4 HOURS****TOTAL 55 HOURS****Required Cognates**

REL P 150 - Introduction to Ministry 2 hours  
 REL P 270 - Interpersonal Ministry 2 hours

**MUSIC, PERFORMANCE EMPHASIS, B.S.**

Major	53-55
Cognate	6
General Education	42
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

**Required Courses**

*Students are accepted into this emphasis by audition only.*

MUCT 111 - Music Theory I 3 hours  
 MUCT 112 - Music Theory II 3 hours  
 MUCT 121 - Aural Theory I 1 hour  
 MUCT 122 - Aural Theory II 1 hour  
 MUCT 211 - Music Theory III 3 hours  
 MUCT 212 - Music Theory IV 3 hours  
 MUCT 221 - Aural Theory III 1 hour  
 MUCT 222 - Aural Theory IV 1 hour  
 MUCT 413 - Analysis of Musical Forms 3 hours  
 MUHL 218 - Musical Styles and Repertoires (IN-10) 3 hours  
 MUHL 320 - Music in the Middle Ages and Renaissance (W) 2 hours  
 MUPF 189 - Concentration 1-2 hours (6 hours required)  
 MUPF 273 - Basic Conducting 1 hour  
 MUPF 389 - Concentration 1-2 hours (6 hours required)  
 MUPF 489 - Senior Recital 2 hours  
 Appropriate Music Ensemble 6 hours

**Select two (2) from the following courses:**

MUHL 321 - Music in the Late Renaissance and Baroque (W) 2 hours  
 MUHL 322 - Classic and Romantic Music (W) 2 hours  
 MUHL 323 - Music in the Twentieth and Twenty-First Centuries (W) 2 hours

**TOTAL 49 HOURS****Specific area requirements as follows:****For Piano Majors**

MUED 316 - Piano Pedagogy 2 hours  
 MUPF 289 - Accompanying 1 hour (2 hours required)

**TOTAL 4 HOURS****For Voice Majors**

MUED 317 - Voice Pedagogy 2 hours  
 MUPF 225 - Singers Diction I 2 hours  
 MUPF 226 - Singers Diction II 2 hours

**TOTAL 6 HOURS**

**For Organ Majors**

MUED 318 - Organ Pedagogy 2 hours  
 MUPF 279 - Service Playing 1 hour (2 hours required)  
**TOTAL 4 HOURS**

**For Orchestra/Band Instrument**

MUPF 334 - Chamber Music 1 hour (2 hours required)  
 MUPF 344 - Instrumental Literature 2 hours  
**TOTAL 4 HOURS**

**TOTAL 53-55 HOURS**

**Required Cognate**

Foreign language through the beginning level (French OR German required, except for voice majors who may elect Italian) 6 hours

**MUSIC, THEORY AND LITERATURE EMPHASIS, B.S.**

Major	50
Cognate	6
General Education	42
Electives to = 124	—
<b>TOTAL</b>	<b>124</b>

**Required Courses**

MUCT 111 - Music Theory I 3 hours  
 MUCT 112 - Music Theory II 3 hours  
 MUCT 121 - Aural Theory I 1 hour  
 MUCT 122 - Aural Theory II 1 hour  
 MUCT 211 - Music Theory III 3 hours  
 MUCT 212 - Music Theory IV 3 hours  
 MUCT 221 - Aural Theory III 1 hour  
 MUCT 222 - Aural Theory IV 1 hour  
 MUCT 413 - Analysis of Musical Forms 3 hours  
 MUHL 218 - Musical Styles and Repertories (IN-10) 3 hours  
 MUHL 320 - Music in the Middle Ages and Renaissance (W) 2 hours  
 MUHL 321 - Music in the Late Renaissance and Baroque (W) 2 hours  
 MUHL 322 - Classic and Romantic Music (W) 2 hours  
 MUHL 323 - Music in the Twentieth and Twenty-First Centuries (W) 2 hours  
 MUHL 489 - Senior Project 2 hours  
 MUPF 189 - Concentration 1-2 hours (4 hours required)  
 MUPF 273 - Basic Conducting 1 hour  
 MUPF 389 - Concentration 1-2 hours (4 hours required)  
 Appropriate Music Ensemble 6 hours

**Select one (1) from the following courses:**

MUCT 313 - Orchestration and Arranging 3 hours  
 MUCT 314 - Counterpoint 3 hours  
 MUCT 315 - Compositional Techniques 3 hours

**TOTAL 50 HOURS**

**Required Cognate**

Foreign language through the beginning level (French OR German required) 6 hours



## MUSIC EDUCATION, TEACHING LICENSURE K-12, B.MUS

The Bachelor of Music degree in music education is specifically designed for students seeking professional licensure. Students who will not seek licensure should enroll in the B.S. in Music/General Track program.

The licensure track meets Tennessee and denominational certification requirements. Students must apply for admission to the Teacher Education Program through the School of Education and Psychology. Each student is responsible to determine the additional courses that may be required for certification in the state of his/her choice. This and all information pertaining to licensure can be obtained at the School of Education and Psychology.

Licensure requirements include minimum 3.00 overall average, 3.00 grade point average in education courses with no grade lower than a C, and 3.00 average in music courses with no grade lower than a C-. In addition, music education licensure candidates must pass the appropriate Praxis II tests.

The following General Education requirements apply only to students pursuing a Bachelor of Music degree:

Music Core	39
Endorsement	20-24
Professional Core	38
General Education	39
Denomination Certification	2
<b>TOTAL</b>	<b>138-142</b>

### Music Core

#### Required Courses

- MUCT 111 - Music Theory I 3 hours
- MUCT 112 - Music Theory II 3 hours
- MUCT 121 - Aural Theory I 1 hour
- MUCT 122 - Aural Theory II 1 hour
- MUCT 211 - Music Theory III 3 hours
- MUCT 212 - Music Theory IV 3 hours
- MUHL 218 - Musical Styles and Repertories (IN-10) 3 hours
- MUCT 221 - Aural Theory III 1 hour
- MUCT 222 - Aural Theory IV 1 hour
- MUCT 313 - Orchestration and Arranging 3 hours
- MUHL 320 - Music in the Middle Ages and Renaissance (W) 2 hours
- MUPF 273 - Basic Conducting 1 hour
- MUPF 373 - Choral Conducting 2 hours
- MUPF 374 - Instrumental Conducting 2 hours
- Appropriate Ensembles 6 hours

#### Select two (2) of the following courses:

- MUHL 321 - Music in the Late Renaissance and Baroque (W) 2 hours
- MUHL 322 - Classic and Romantic Music (W) 2 hours
- MUHL 323 - Music in the Twentieth and Twenty-First Centuries (W) 2 hours

**TOTAL 39 HOURS**

### Vocal/General Endorsement

#### A. Voice Concentration

- MUPF 189/MUPF 389 Concentration (Voice) 12 hours
- MUED 317 - Voice Pedagogy 2 hours
- MUPF 225 - Singers Diction I 2 hours

MUPF 489 - Senior Recital 2 hours

MU Elective 2 hours

**TOTAL 20 HOURS**

## **B. Keyboard Concentration**

MUPF 129/MUPF 329 Applied Music (Voice) 4 hours

MUPF 189/MUPF 389 Concentration (Piano or Organ) 12 hours

MUED 317 - Voice Pedagogy 2 hours

MUPF 489 - Senior Recital 2 hours

MUPF 279 - Service Playing 1 hour (2 credits required)

OR MUPF 289 - Accompanying 1 hour (2 credits required)

MUED 316 - Piano Pedagogy 2 hours

OR MUED 318 - Organ Pedagogy 2 hours

**TOTAL 24 HOURS**

**TOTAL 20-24 HOURS**

## **Instrumental Endorsement**

MUPF 129/MUPF 329 Applied Music (one instrument from family outside of concentration 1,1)  
2 hours

MUPF 189/MUPF 389 Concentration (one instrument: wind, string, OR percussion) 12 hours

MUED 236 - String Methods and Techniques 2 hours

MUED 246 - Brass Methods and Techniques 2 hours

MUED 256 - Woodwind Methods and Techniques 2 hours

MUED 266 - Percussion Methods and Techniques 2 hours

MUPF 489 - Senior Recital 2 hours

**TOTAL 24 HOURS**

## **Vocal/General and Instrumental Endorsement**

An applicant for endorsements in both areas must have completed the following courses:

MUED 246 - Brass Methods and Techniques 2 hours

MUED 256 - Woodwind Methods and Techniques 2 hours

MUED 266 - Percussion Methods and Techniques 2 hours

MUED 317 - Voice Pedagogy 2 hours

MUPF 129 - Applied Music 1-2 hours (2 hours required)

MUPF 225 - Singers Diction I 2 hours

**TOTAL 36 HOURS**

## **Professional Core**

### **MUED Courses**

MUED 250 - Technology in Music Education 2 hours

MUED 331 - Music in the Elementary School 3 hours

MUED 332 - Music in the Secondary School 3 hours

MUED 439 - Pre-Student Teaching Seminar 1 hour

### **EDUC Courses**

EDUC 201 - Teacher Education Candidacy 0 hours

EDUC 338 - Foundations of Inclusive Education (SERV-2) 3 hours

EDUC 341 - General Methods and Assessment 3 hours

EDUC 343 - Learning Theories and Classroom Management 3 hours

EDUC 419 - Philosophy and Leadership in Christian Education (W) (SERV-2) 3 hours

EDUC 434 - Reading and Writing in the Content Areas 2 hours

EDUC 464 - Teaching Seminar 2 hours

EDUC 473 - Enhanced Student Teaching K-12 (SERV-2) 10 hours

EDUC 129 - Introduction to and Foundations of Elementary Education 3 hours

OR EDUC 138 - Introduction to and Foundations of Secondary Education 3 hours

**TOTAL 38 HOURS**

## General Education

### Area R-1

RELB 125 - Life and Teachings of Jesus (R-1) 3 hours

**TOTAL 3 HOURS**

### Area R-2

RELT 138 - Adventist Heritage (R-2) 3 hours

RELT 255 - Christian Beliefs (R-2) 3 hours

**TOTAL 6 HOURS**

### Area R-4

UD RELB/RELT course 3 hours

**TOTAL 3 HOURS**

### Area IN-1

NOND 101 - Southern Connections (IN-1) 1 hour

**TOTAL 1 HOUR**

### Area IN-2

ENGL 101 - Critical Thinking in Academic Reading and Writing I (IN-2) 3 hours

ENGL 102 - Critical Thinking in Academic Reading and Writing II (IN-2) 3 hours

**TOTAL 6 HOURS**

### Area IN-3

COMM 135 - Communication and Public Speaking (IN-3) 3 hours

**TOTAL 3 HOURS**

### Area IN-4

MATH 215 - Statistics (IN-4) 3 hours

**TOTAL 3 HOURS**

### Area IN-5

CPTE 100 - Computer Concepts (IN-5) 1 hour

**TOTAL 1 HOUR**

### Area IN-6

HIST course 3 hours

**TOTAL 3 HOURS**

### Area IN-7

BIOL, CHEM, ERSC OR PHYS 3 hours

**TOTAL 3 HOURS**

### Area IN-8

PSYC 128 - Developmental Psychology (IN-8) 3 hours

**TOTAL 3 HOURS**

### Area IN-10

MUHL 218 - Musical Styles and Repertories (IN-10) 3 hours \*(fulfilled within the major)

**TOTAL 3 HOURS\***

**Area P-1a**

PEAC 125 - Fitness for Collegiate Life (P-1a) 1 hour

**TOTAL 1 HOUR****Area P-1b**

ADAC, OLAC, PEAC OR RECR course 2 hours

**TOTAL 2 HOURS****Area P-1c**

PEAC 425 - Fit for Hire (P-1c) 1 hour

**TOTAL 1 HOUR****TOTAL 39 HOURS****Denomination Certification Requirement**

HLED 173 - Health for Life 2 hours

**TOTAL 2 HOURS****TOTAL 138-142 HOURS**

**Notes:** The student must apply for Initial Admission to the Teacher Education Program (usually by the end of the sophomore year) after completing all requirements as outlined under ADMISSION PROCEDURES in the School of Education and Psychology section of the Catalog. Initial admission is required before the student can enroll in upper division education courses.

The student must also complete an application and all other requirements for Admission to Student Teaching. Prior to student teaching, the student must take and pass the PRAXIS II licensure exam—both the appropriate section of the Principles of Learning and Teaching, and the particular specialty test(s) for the licensure area(s).

**MUSIC MINOR**

The School of Music offers a minor in music for students who desire to deepen their knowledge and ability in this discipline while majoring in another academic area. It consists of coursework in Music Theory, Music History and Performance studies, as listed below. An audition is required for acceptance into the music minor. At least twenty-five percent of the coursework toward the minor must be taken in residence at Southern Adventist University.

**Required Courses**

MUCT 111 - Music Theory I 3 hours

MUCT 112 - Music Theory II 3 hours

MUPF 189 - Concentration 1-2 hours (2 hours required)

MUHL 218 - Musical Styles and Repertories (IN-10) 3 hours

MUPF 273 - Basic Conducting 1 hour

MUPF 389 - Concentration 1-2 hours (2 hours required)

Ensemble (at least two hours must be UD) 4 hours \*

**Select one (1) of the following courses:**

MUHL 320 - Music in the Middle Ages and Renaissance (W) 2 hours

MUHL 321 - Music in the Late Renaissance and Baroque (W) 2 hours

MUHL 322 - Classic and Romantic Music (W) 2 hours

MUHL 323 - Music in the Twentieth and Twenty-First Centuries (W) 2 hours

**TOTAL 20 HOURS**

*\*Each Music minor shall register for credit and maintain membership for at least four semesters in a major music ensemble appropriate to the student's major instrument and ability.*

# School of Nursing

**Dean:** Holly Gadd

**Associate Dean:** Frances Johnson

**Faculty:** Kerry Allen, Nicholas J. Beaumonte Jr., Jill Buchholz, Ronda Christman, Judith Dedeker, Marla Erskine, Jennifer Fisher, Holly Gadd, Pam Gammenthaler, LaShawn Horton, Cynthia Johnson, Frances Johnson, Antonio Lazcano, Sylvia Mayer, Christine Moniyung, Linda Peoples, Rebecca Retzer, Andrew J. Richards, Cindy Rima, Elizabeth Scott, Christy Showalter, Christina Shrode, Elizabeth Snyder, Lilly Tryon, Maria Valenca, Holly D. Walker, Joelle Wolf

**Director of Nursing Admissions and Progressions:** Sylvia Mayer

## **Program Coordinators:**

Nursing, R.N. to B.S.N., Joelle Wolf (campus and online); Sylvia Mayer (consortium)

Nursing, Pre-licensure B.S.N., Pam Gammenthaler and Joelle Wolf

Nursing, A.S., Pam Gammenthaler

## **Mission Statement**

The School of Nursing provides a Christian learning environment that nurtures a culture of integrity and academic excellence, and prepares caring, competent professionals to serve the diverse healthcare needs of individuals, families, and communities within a global context.

## **Program Outcomes**

The graduate will:

1. Provide personalized, compassionate, and coordinated care for the individual, family, or community through use of the nursing process, based on the unique variables that make up the whole person (physiological, Psychological, socio-cultural, and spiritual).
2. Manage the provision of nursing care through effective functioning within inter- and intra-professional teams through open communication, mutual respect and shared decision-making in order to achieve quality patient care.
3. Consistently fulfill the role of member of the discipline through the assimilation of a set of nursing roles and behaviors that include integrity, accountability, civility, critical thinking, collaborative relationships, clear communication, advocacy, legal and ethical practice, community and professional involvement, and life-long learning in order to effectively demonstrate Christ-centered excellence through caring, connecting, and empowering.

## **Undergraduate Degrees Offered**

The School of Nursing offers two pre-licensure Nursing programs, BSN and AS. A post-licensure RN to BSN degree is also offered.

The pre-licensure BSN, AS, and LPN-AS and LPN-BSN) programs are available as campus-based programs. The RN-BSN is available as a campus-based program as well as online and off-campus consortium program in Chattanooga. All programs may be taken full or part-time.

Pre-nursing students may declare the pre-licensure BSN, AS, or the AS plus RN-BSN for the Nursing Major. Declaration as a nursing major is not the equivalent of acceptance to the SON, which requires a second application and acceptance.

Student learning is supported by faculty, a well-equipped Learning Resource Center (LRC), clinical skills laboratory, simulation laboratory, and a tutorial program (Assisting Students to Achieve Professionally [ASAP]), and campus resources.

The **Adventist Nursing Framework**, which emphasizes whole-person health, provides the context and structure for the nursing programs.

## Accreditation and State Approval

The programs in nursing (BSN, AS, RN-BSN) are accredited by the Accreditation Commission for Education in Nursing (ACEN), 3343 Peachtree Road, NE, Suite 850, Atlanta, GA 30326. The nursing programs are approved by the Tennessee Board of Nursing (TBN).

## Assessment

The School of Nursing (SON) has a comprehensive assessment program. Pre-licensure BSN and AS students are required to complete standardized competency examinations throughout the nursing curriculum. Pre-licensure BSN and AS graduates are eligible to take the National Council Licensure Examination (NCLEX-RN). The TBN requires an annual pass rate of 85% or higher on the NCLEX-RN for a school to maintain approval.

## Policies

Students admitted to nursing courses will accept personal responsibility for their learning and professional behavior. Each student contracts to abide by policies as stated in the SON Student Handbook <http://www.southern.edu/nursing>.

Students are expected to provide their own transportation for all clinical appointments.

The university assesses lab fees for certain courses across campus. BSN, AS and RN-BSN classes have fees which are listed in the course descriptions section of this Catalog.

## Drug Screen

By enrolling at Southern, all nursing students agree to random drug testing (may include testing for illicit drugs, nicotine and/or alcohol). The SON has a zero tolerance policy with respect to illicit drug use. A drug screen will be required of any new student accepted into the undergraduate nursing programs. A drug screen will also be required for an enrollment lapse of one semester or more. Students may be screened at any other time for random testing, reasonable suspicion or evidence of alcohol or drug use. Violation and positive drug screens will result in disciplinary action up to and including dismissal.

## Prescription Medications

Upon admission to the SON, a student on a prescription medication is obligated to provide documentation from a Health Care Provider. Documentation is once again required upon any changes in the prescription or upon addition of any new prescription throughout the student's time in the nursing program.

## Background Check

All students are required to have a criminal background check. The SON uses Package SC87 with the vendor CastleBranch.com. The TBN and other State Boards reserve the right to deny licensure if the applicant has committed a crime other than a minor traffic violation. The SON reserves the right to deny admission to or remove students from the nursing program who have records of misconduct, legal or otherwise, that would jeopardize their professional performance.

## Program and Policy Changes

The SON reserves the right to revise, add, or withdraw policies and/or courses as necessary to ensure a quality nursing program.

## BSN AND AS NURSING PRE-LICENSURE PROGRAMS: OVERVIEW

Admission to nursing is competitive. Meeting minimum admission requirements does not guarantee acceptance into clinical nursing courses. The SON makes the final decision on acceptance and progression in nursing.

### BSN Nursing Degree (Winter Start)

The student is eligible to take NCLEX-RN® following the pre-licensure BSN degree, which is a generic, 4-year program with admission to clinical nursing second semester sophomore year (3 semesters pre-nursing + 5 semesters of nursing).

In keeping with recommendations for the BS/BSN as the entry level for practice (IOM, Future of Nursing, AACN, NLN, etc.), completion of a BSN Program enhances professional opportunities through study in theoretical and clinical nursing.

### AS Nursing Degree + RN-BSN Articulated Program (Fall & Winter Start)

The student is eligible to take NCLEX-RN® following the AS degree (2 semesters pre-nursing + 4 semesters of nursing). The AS graduate transitions seamlessly to senior RN-BSN nursing courses (2 semesters) which leads to a 4-year baccalaureate degree (BSN) in nursing.

Students seeking the AS degree are encouraged to declare both the AS and BSN degree when applying to the University making a double AS Nursing/BSN major. In addition to other benefits, from a financial perspective, there is a benefit to declaring both majors. When graduated from AS Nursing, the major will convert to BSN.

**LPN-RN (Pre-licensure)** The Licensed Practical Nurse (LPN) may bridge to RN via either the BSN or AS program. Both degrees prepare students to pass the NCLEX-RN® licensure exam and move into entry-level RN positions. Equivalent general education and cognate courses from regionally accredited schools transfer into the LPN-RN Program.

**LPN-BSN** Upon acceptance into the LPN-BSN nursing program (See Admission Requirements), the LPN takes a bridge course, LPN-RN Perspectives, and all nursing courses, except Fundamentals of Nursing. After satisfactorily completing at least 10 credits, Fundamentals of Nursing (7 credits) is placed on the transcript (\$280 transfer fee). After completing required nursing and non-nursing courses, the successful LPN-RN student receives a BSN degree and is eligible to write the NCLEX-RN® exam and become a registered nurse. **Total of 5 semesters of nursing courses, plus, general education and cognates.**

**LPN-AS** Upon acceptance into the LPN-AS nursing program (See Admission Requirements), the LPN takes a bridge course, LPN-RN Perspectives, and enters the second level (semester) of the four-level AS nursing program. After satisfactorily completing at least 10 credits, Fundamentals of Nursing (7 credits) will be placed on the transcript (\$280 transfer fee). The successful LPN-RN student receives an AS degree and is eligible to write the NCLEX-RN® exam and become a registered nurse. **Total of 3 semesters of nursing courses, plus, general education and cognates.**

## Admission Requirements

### Pre-licensure BSN and AS Programs Including LPN-RN

1. Completed SAU application (See SAU admission checklist)
2. Submit SON application ([nursing.southern.edu](http://nursing.southern.edu))
  - Winter admission (BSN and AS) - September 15
  - Fall admission (AS only) - February 15
3. GPA: minimum cumulative university GPA of 3.00 on a 4.00 scale
4. Pre-Admission Exam
  - Pre-Admission Exam (PAX) (required for pre-licensure BSN and AS applicants)

- Nursing Acceleration Challenge Exam (NACE) I: (required for LPN-RN applicants)
- 5. Prerequisite Sciences: Survey of Health Chemistry, Anatomy and Physiology I & II with grades of “C” or better.
- 6. Interview: personal admission interview
- 7. Required coursework
  - BSN & LPN-BSN: Approximately 40-45 credits (3 semesters)
  - AS & LPN-AS: Approximately 20-30 credits (2 semesters)
- 8. Complete courses
  - English: Critical Thinking in Academic Reading & Writing 1 (English Composition I)
  - English: Critical Thinking in Academic Reading & Writing 2 (English Composition II) recommended.
  - Math (pre-licensure BSN only): ACT  $\geq 16$ . ACT of 15 or below must complete MATH 081 with a grade of C or better
- 9. References or additional information may be required.
- 10. Transfer students will be individually reviewed once an official transcript is received. Acceptance will be on a space available basis.
- 11. The Admission Committee may grant “Provisional Admission” to applicants who demonstrate academic potential to successfully complete the program, but whose GPA or test scores do not meet or only minimally meet the academic admission requirements.
- 12. Students with disabilities, in compliance with the Americans with Disabilities Act, are given reasonable accommodation, if physically and mentally capable of performing the essential functions of the program. See SON Undergraduate Handbook for the SON policy based on “The Core Performance Standards developed by the Southern Council on Collegiate Education for Nursing”. <http://www.southern.edu/academics/academic-sites/nursing/handbooks.html>

**Upon admission into the nursing program, the following requirements apply.**

1. A signed commitment form to secure admission to nursing.
2. Current American Heart Association (AHA) Healthcare Provider CPR certification that must be maintained throughout the nursing program.
3. A background check.
4. A urine drug screen.
5. Submission of a Health Verification Form documenting completion of all health requirements, including immunizations, which may not be waived, confirming the student is in good health and free from communicable diseases.

**Progression and Readmission Requirements**

Complete and detailed policies are found in <http://www.southern.edu/nursing>

Students who have taken all general education and cognates for the AS and RN-BSN programs may take BSN completion nursing classes early if approved by BSN faculty and student adviser as follows.

- Level 2 AS students may take Nursing Pharmacology (NURS 345) and Pathophysiology (NURS 355). A number of upper division nursing electives are also available throughout the program.
- Level 3 AS students may take Health Assessment II (NURS 315) and Professional Development in Nursing (NURS 335). A number of upper division nursing electives are also available throughout the program
- Level 4 AS students should only take Adult Health III (NURS 400), Child Health (NURS 420), Capstone Clinical - AS (NURS 425), Capstone Seminar (NURS 432), and Preparation for Licensure (NURS 440). Additional nursing OR general education and cognate courses are not recommended.



### Pre-licensure BSN and AS

1. A minimum grade of “C+” (2.30) is required in each nursing course for progression with a cumulative GPA of 2.30 in nursing and a 2.50 overall GPA on a 4.00 scale for graduation.
2. Cognate courses (grade of “C” or better required) include: Chemistry, A & P I & II, Nutrition, Developmental or General Psychology, Basic Microbiology, Christian Ethics, Aging & Society.
3. Failure of any nursing course for any reason is addressed individually per specific policies found in SON Undergraduate Handbook <http://www.southern.edu/nursing>.
4. Should a student need to repeat a nursing class, or receive a C+ in a nursing class or test category, or upon recommendation of the Admissions/Progressions committee, he/she will be required to enroll in NURS 203 the following semester. This is a 0-1 credit class with the objective of assisting the student to be successful in the nursing program.
5. Students who do not complete a semester or who do not progress through the program with the cohort into which they were admitted, cannot be assured of their placement of choice for subsequent courses.
6. Students are required to demonstrate satisfactory performance on standardized tests. If the required performance level is not achieved, remedial work must be completed to progress in the program or be recommended by the SON faculty to take NCLEX-RN.
7. Any cognate course taken off campus during the time the student is enrolled at Southern Adventist University (school year or summer) must be approved by the Dean of the SON.

### RN to BSN Overview

The Bachelor of Science in Nursing (BSN), specifically designed for the Registered Nurse (RN), provides an opportunity for any licensed RN educated at the associate degree or diploma level to achieve academic and personal goals and to develop stronger clinical reasoning and analytical skills to advance their careers.

#### RN to BSN tracks for completing senior BSN nursing courses.

- RN-BSN Traditional classroom (2-3 semesters, full-time)
- RN-BSN Online with field experience (4-5 semesters-including summer, part-time)
- RN-BSN Consortium off-campus (6-8 semesters-including summer, part-time)

Students accepted into the SAU articulated AS Nursing Program transition seamlessly into the senior RN-BSN courses. Transfer students who are graduates of accredited Associate and Diploma Nursing Programs may apply for acceptance into the senior RN to BSN nursing courses by sending an application to the SON’s Director of Admissions and Progressions.

Upon acceptance to the nursing program, courses listed in the current catalog will be required. To complete senior RN-BSN nursing courses in one year (two semesters) on campus, all non-nursing course requirements must be completed prior to the two semesters of senior BSN nursing classes.

#### Associate Degree Graduates

Graduates of a state approved associate degree nursing program will be considered to have met General Education requirements for the first two years of the program with the exception of Communication and Public Speaking, English, Statistics, Fitness for Collegiate Life, and Computer Concepts provided that the GPA is 2.50 or above. If ENGL 101, ENGL 102, COMM 135, CPT 100, MATH 215, and PEAC 125 were not included in the associate degree program, they must be taken in fulfillment of the BSN degree General Education requirements.

## Diploma Graduates

- Credit is acceptable for courses comparable to those required at Southern if received from an accredited junior OR senior college OR by examination according to the policy stated in this Catalog.
- All general education and cognates for the AS/BSN degree levels must be completed before graduation.

### Minimum requirements for admission to the RN-BSN (all tracks) program as follows:

1. Acceptance to Southern Adventist University.
2. Acceptance to Nursing.
3. A minimum grade point average of 2.50.
4. Recommendation from nursing faculty in the student's basic nursing program and/or employer if requested.
5. Interview with the RN-BSN program coordinator or designee, if requested.
6. Transfer Student Admission: Documentation of clinical experience (satisfactory work performance recommendation), and/or RN Update or additional clinical experience may be required.
7. Transfer of RN Nursing Credits: Transfer students who are graduates of accredited Associate and Diploma Nursing Programs will have 26 credits of lower division associate degree level nursing and thirteen (13) credits of upper division nursing NURS 400 Adult Health III, NURS 420 Child Health (SERV-2), NURS 425 Capstone Clinical - AS, NURS 432 Capstone Seminar, and NURS 440 Preparation for Licensure placed in escrow upon entrance to the RN-BSN program. After successfully completing 10 semester hours of RN to BSN nursing courses at Southern, the thirteen (13) credits held in escrow are available to be placed on the transcript (\$520 transfer fee) as required credits toward a BSN degree.

## NURSING, R.N.-B.S.N. (CAMPUS AND ON-LINE)

(Includes 26 hours of AS level nursing courses)

Major	66
Cognates - AS	21
Cognates - BSN	6
General Education*	30-33
Electives to = 124*	_____
<b>TOTAL</b>	<b>124-126</b>

### Required Courses\*\*

AS Level Courses 26 hours  
 NURS 315 - Health Assessment II 2 hours  
 NURS 335 - Professional Development in Nursing (W) 3 hours  
 NURS 345 - Nursing Pharmacology 3 hours  
 NURS 351 - Registered Nurse (RN) Licensure 0 hours  
 NURS 355 - Pathophysiology 3 hours  
 NURS 385 - Applied Statistics for Health Professions (IN-4) 3 hours  
 NURS 400 - Adult Health III 4 hours  
 NURS 420 - Child Health (SERV-2) 4 hours  
 NURS 425 - Capstone Clinical - AS 2 hours  
 NURS 432 - Capstone Seminar 2 hours  
 NURS 440 - Preparation for Licensure 1 hour  
 NURS 446 - Population and Community Health Nursing (SERV-2) 4 hours  
 NURS 450 - Nursing Leadership and Management (IN-9) 3 hours  
 NURS 485 - Research Methods in Nursing (W) 3 hours

Nursing Electives\*\*\* 3 hours

**TOTAL 66 HOURS**

Contact the School of Nursing for a suggested sequence of courses.

*\*Students with ACT math score of 22 or above who do not take MATH 215 as part of their general education courses will need to add a minimum of 1 hour of general education or nursing elective in order to meet the requirement for 124 hours total for BSN degree.*

*\*\*Course requirements vary for students in the Consortium (See Consortium section of this Catalog) and accelerated RN-MSN program (See Southern Graduate Catalog).*

*\*\*\*Nursing electives must be at the upper division level and Nursing courses.*

### **Required Cognates**

(includes 21 hours of AS level cognates)

RELT 373 - Christian Ethics (R-4) 3 hours

SOCI 349 - Aging and Society (W) 3 hours

### **Required General Education\*\*\*\***

#### **Area R-1**

RELB 125 - Life and Teachings of Jesus (R-1) 3 hours

OR RELT 177 - Christian Spirituality (R-1) 3 hours

**TOTAL 3 HOURS**

#### **Area R-2**

RELT 138 - Adventist Heritage (R-2) 3 hours

OR RELT 225 - Last-Day Events (R-2) 3 hours

OR RELT 255 - Christian Beliefs (R-2) 3 hours

**TOTAL 3 HOURS**

#### **Area R-3**

RELB course (except RELB 125) 3 hours

**TOTAL 3 HOURS**

#### **Area R-4**

RELT 373 - Christian Ethics (R-4) 3 hours

**TOTAL 3 HOURS**

#### **Area IN-1**

NOND 101 - Southern Connections (IN-1) 1 hour

**TOTAL 1 HOUR**

#### **Area IN-2**

ENGL 101 - Critical Thinking in Academic Reading and Writing I (IN-2) 3 hours

ENGL 102 - Critical Thinking in Academic Reading and Writing II (IN-2) 3 hours

**TOTAL 6 HOURS**

#### **Area IN-3**

COMM 135 - Communication and Public Speaking (IN-3) 3 hours

**TOTAL 3 HOURS**

#### **Area IN-4**

MATH 215 - Statistics (IN-4) 3 hours if MATH ACT is below 22

NURS 385 - Applied Statistics for Health Professions (IN-4) 3 hours

**TOTAL 3 HOURS**

**Area IN-5**

CPTe 100 - Computer Concepts (IN-5) 1 hour

**TOTAL 1 HOUR****Area IN-6**

HIST course 3 hours

**TOTAL 3 HOURS****Area IN-10**

Aesthetic Analysis 3 hours

**TOTAL 3 HOURS****Area P-1a**

PEAC 125 - Fitness for Collegiate Life (P-1a) 1 hour

**TOTAL 1 HOUR****Area P-1b**

ADAC, PEAC, OR RECR course 2 hours

**TOTAL 2 HOURS****Area P-1c**

PEAC 425 - Fit for Hire (P-1c) 1 hour

**TOTAL 1 HOUR**

*\*\*\*\*Graduates of a state-approved associate degree nursing program will be considered to have met the general education requirements for the first two years of the program, with the exception of English, History, Fitness for Collegiate Life, and Computer Competency. If ENGL 101-ENGL 102, HIST-any, PEAC 125 or PEAC 225, math, or computer competency (or waiver) requirements were not included in the AS program, they must be taken in fulfillment of the BSN degree General Education requirements.*

**NURSING, R.N.-B.S.N. (CONSORTIUM)**

The Consortium Off-campus BSN Completion program provides working/experienced Registered Nurses an opportunity to continue their education by accessing BSN and Southern-specific cognate classes close to work and home in the Chattanooga area. The courses occur in a two-year rotation. Nurses seeking their BSN degree and/or accepted Accelerated RN to MSN students may access these classes.

Major	66
Cognates	27
General Education	24
Electives to = 124	—
<b>TOTAL</b>	<b>124</b>

**Required Courses**

AS Level Courses 26 hours

NURS 315 - Health Assessment II 2 hours

NURS 335 - Professional Development in Nursing (W) 3 hours

NURS 345 - Nursing Pharmacology 3 hours

NURS 355 - Pathophysiology 3 hours

NURS 385 - Applied Statistics for Health Professions (IN-4) 3 hours

NURS 400 - Adult Health III 4 hours

NURS 420 - Child Health (SERV-2) 4 hours

NURS 425 - Capstone Clinical - AS 2 hours

NURS 432 - Capstone Seminar 2 hours

NURS 440 - Preparation for Licensure 1 hour

NURS 446 - Population and Community Health Nursing (SERV-2) 4 hours

NURS 450 - Nursing Leadership and Management (IN-9) 3 hours

NURS 485 - Research Methods in Nursing (W) 3 hours

Nursing Electives\*\*\* 3 hours

**TOTAL 66 HOURS**

\*\*\*Nursing electives must be at the upper division level and Nursing courses.

Contact the School of Nursing for a suggested sequence of courses. BSN Consortium requirements are aligned with the accelerated RN-MSN program as listed below.

- Graduates of a state-approved associate degree nursing program will be considered to have met the general education requirements for the first two years of the program, with the exception of English, History, Fitness for Life, and Computer Competency OR waiver. If ENGL 101-ENGL 102, COMM 135, MATH 215, PEAC 125 OR PEAC 225, OR computer competency requirements were not included in the AS program, they must be taken in fulfillment of the BSN degree General Education requirements.  
CHEM 120 OR 3 hours college chemistry.

### **Required Cognates**

(includes 21 hours of AS level cognates)

RELT 373 - Christian Ethics (R-4) 3 hours

SOCI 349 - Aging and Society (W) 3 hours

### **Required General Education**

#### **Area R-3**

RELB 465 - Topics in Biblical Studies 1-3 hours (3 hours required)

**TOTAL 3 HOURS**

#### **Area R-4**

RELT 373 - Christian Ethics (R-4) 3 hours

**TOTAL 3 HOURS**

#### **Area IN-2**

ENGL 101 - Critical Thinking in Academic Reading and Writing I (IN-2) 3 hours

ENGL 102 - Critical Thinking in Academic Reading and Writing II (IN-2) 3 hours

**TOTAL 6 HOURS**

#### **Area IN-3**

COMM 135 - Communication and Public Speaking (IN-3) 3 hours

**TOTAL 3 HOURS**

#### **Area IN-4**

NURS 385 - Applied Statistics for Health Professions (IN-4) 3 hours

**TOTAL 3 HOURS**

#### **Area IN-5**

CPT 100 - Computer Concepts (IN-5) 1 hour

**TOTAL 1 HOUR**

#### **Area IN-6**

HIST course 3 hours

**TOTAL 3 HOURS**

#### **Area IN-10**

Aesthetic Analysis 3 hours (Not required in RN-MSN)

**TOTAL 3 HOURS**

**Area P-1a**

PEAC 125 - Fitness for Collegiate Life (P-1a) 1 hour  
 OR PEAC 225 - Fitness for Life (P-1a) 1 hour

**TOTAL 1 HOUR**

**Area P-1b**

ADAC, PEAC, OR RECR course 1 hour

**TOTAL 1 HOUR**

**NURSING, B.S.N. (PRE-LICENSURE)**

Major	64
Cognates	27
General Education	33
<b>TOTAL</b>	<b>124</b>

**Required Courses**

NURS 105 - Introduction to Healthcare Informatics 1 hour  
 NURS 115 - Health Assessment I 2 hours  
 NURS 120 - Fundamentals of Nursing 7 hours  
 NURS 200 - Adult Health I 4 hours  
 NURS 220 - Mental Health 4 hours  
 NURS 300 - Adult Health II 4 hours  
 NURS 315 - Health Assessment II 2 hours  
 NURS 322 - Childbearing Family 4 hours  
 NURS 335 - Professional Development in Nursing (W) 3 hours  
 NURS 345 - Nursing Pharmacology 3 hours  
 NURS 355 - Pathophysiology 3 hours  
 NURS 400 - Adult Health III 4 hours  
 NURS 420 - Child Health (SERV-2) 4 hours  
 NURS 426 - Capstone Clinical - BSN 3 hours  
 NURS 432 - Capstone Seminar 2 hours  
 NURS 440 - Preparation for Licensure 1 hour  
 NURS 446 - Population and Community Health Nursing (SERV-2) 4 hours  
 NURS 450 - Nursing Leadership and Management (IN-9) 3 hours  
 NURS 475 - Research Methods in Nursing (W) 4 hours  
 NURS - Nursing Electives 2 hours  
**TOTAL 64 HOURS**

**Required Cognates**

BIOL 101 - Anatomy and Physiology (IN-7) 4 hours  
 BIOL 102 - Anatomy and Physiology 4 hours  
 BIOL 225 - Basic Microbiology 4 hours  
 CHEM 120 - Survey of Health Chemistry 3 hours  
 NRNT 125 - Nutrition 3 hours  
 RELT 373 - Christian Ethics (R-4) 3 hours  
 SOCI 349 - Aging and Society (W) 3 hours  
 PSYC 128 - Developmental Psychology (IN-8) 3 hours  
 OR PSYC 122 - General Psychology 3 hours

*\*Nursing majors are strongly encouraged to take this course*

## **NURSING, A.S.**

Major	39
Cognates	21
General Education	15
<b>TOTAL</b>	<b>75</b>

### **Required Courses**

- NURS 105 - Introduction to Healthcare Informatics 1 hour
- NURS 115 - Health Assessment I 2 hours
- NURS 120 - Fundamentals of Nursing 7 hours
- NURS 200 - Adult Health I 4 hours
- NURS 220 - Mental Health 4 hours
- NURS 300 - Adult Health II 4 hours
- NURS 322 - Childbearing Family 4 hours
- NURS 400 - Adult Health III 4 hours
- NURS 420 - Child Health (SERV-2) 4 hours
- NURS 425 - Capstone Clinical - AS 2 hours
- NURS 432 - Capstone Seminar 2 hours
- NURS 440 - Preparation for Licensure 1 hour
- TOTAL 39 HOURS**

### **Required Cognates**

- BIOL 101 - Anatomy and Physiology (IN-7) 4 hours
- BIOL 102 - Anatomy and Physiology 4 hours
- BIOL 225 - Basic Microbiology 4 hours
- CHEM 120 - Survey of Health Chemistry 3 hours
- NRNT 125 - Nutrition 3 hours
- PSYC 128 - Developmental Psychology (IN-8) 3 hours \*
- OR PSYC 122 - General Psychology 3 hours

*\*Nursing majors are strongly encouraged to take this course.*

# School of Physical Education, Health and Wellness

**Dean:** Robert Benge

**Faculty:** Robert Benge, Mike Boyd, Doug Brown, Rod Bussey, Harold Mayer, Bonny Musgrave, Richard Schwarz, Judy Sloan, Troy Walker

**Adjunct Faculty:** Darin Bissell, Monica Coulter, Jay Dedeker, Leslie Evenson, Deborah Fager, Phil Garver, Mark Guild, Mike Harris, Tara Hills, Rachele Pecovsky, Mary Anne Poulson, James Quick Jr., Sally Randall, Josh Rhodes, Dorothea Sarli, Scott Spicer, Alicia Trott, Eddy Wietzel

## **Program Coordinators:**

Corporate/Community Wellness Management, Harold Mayer  
Health Science, Rod Bussey  
Health, P.E. and Recreation, Teacher Certification, Judy Sloan  
Kinesiology, Mike Boyd  
Outdoor Emergency Services, Robert Benge  
Outdoor Leadership, Doug Brown  
Vegetarian Culinary Arts, Bonny Musgrave

## **Mission Statement**

The mission of the School of Physical Education, Health and Wellness is to 1) develop effective activity courses and academic degree programs, 2) provide recreation opportunities for the University family, 3) promote wellness through evaluation, education and motivation, and 4) serve the community with opportunities for healthy living.

## **Degrees Offered**

B.S. Corporate/Community Wellness Management  
B.S. Health, Physical Education and Recreation  
B.S. Health Science  
B.S. Kinesiology  
B.S. Outdoor Emergency Services  
B.S. Outdoor Leadership  
A.S. Outdoor Leadership  
A.S. Vegetarian Culinary Arts

The courses in Physical Education, Health and Wellness propose to: acquaint students with principles of healthful living, develop physical efficiency, develop life-long fitness and recreational habits, and/or prepare students for careers in physical education, health, wellness management, or related professions.

Health Science is an excellent degree for pre-Medicine, pre-Dental, pre-Physical Therapy, pre-Occupational Therapy, pre-Physician Assistant, and other medical related graduate programs.

No grade lower than a C- will be accepted in cognate courses for degrees in the School of Physical Education, Health and Wellness.

To receive a B.S. degree in Health, Physical Education and Recreation, students must successfully complete ALL Teacher Education requirements including student teaching. All non teacher education track Physical Education students will be directed to a Kinesiology track of their choosing.



## Vegetarian Culinary Arts

Training in vegetarian culinary arts will prepare the student for an exciting career with opportunities for advancement and specialized certificates. Students, along with culinary professionals by your side, will prepare hundreds of recipes while learning kitchen skills, time management skills, budgeting, and menu composition. Students will participate in a variety of professional cooking classes that focus on providing wholesome and health-promoting foods that are vegetarian, vegan, and even raw. Elective training in preparing clean meat is also available. Training is active and involves learning basic knife skills, use of other kitchen tools, equipment, and basic electronics. Students will learn about the various types of food service industries, quantity food purchasing and production, types of food presentation, and marketing.

Characteristics of individuals successful in the culinary field include: creative, energetic, detail oriented, willing to follow instructions, foodies, want to learn healthful food preparation methods, integrity, an appreciation for the SDA health message, and a desire to prepare and share great tasting food that meets a variety of needs.

Graduates of this program may find employment at SDA academic institutions, healthcare facilities/hospitals, extended care facilities and retirement centers, restaurants, spas and resorts, hotels, and other venues. Non-traditional careers could include writing, research and development for a food company, owning your own restaurant or bakery, working as a personal chef, and catering.

## Application Process

Interested candidates must apply and be accepted as a student at Southern Adventist University and in addition you will need to apply for acceptance into the Vegetarian Culinary Arts Program.

## Assessment

To help the graduates in Physical Education, Health, and Wellness evaluate their academic progress and to aid the school in evaluating teaching effectiveness, each senior is required, during their final semester, to take an exit exam. The results of the assessments are used to evaluate the school programs.

## Accreditation

- The Bachelor of Science in Physical Education is NCATE accredited through the Council for the Accreditation of Educator Preparation (CAEP).
- The bachelor degrees in Corporate/Community Wellness Management and Kinesiology, offered in conjunction with the School of Business, are accredited by the International Accreditation for Collegiate Business Education (IACBE).
- The Bachelor of Science in Corporate/Community Wellness Management is an accredited academic program by the National Wellness Institute (NWI). Because graduates are enrolled in an NWI Council on Wellness Accreditation and Education accredited program, upon graduation they are qualified to become a Certified Wellness Practitioner provided they graduate with a 2.75 GPA OR higher.

## CORPORATE/COMMUNITY WELLNESS MANAGEMENT, B.S.

Major	45
Cognates	26
General Education	35
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

**Required Courses**

BIOL 101 - Anatomy and Physiology (IN-7) 4 hours  
 BIOL 102 - Anatomy and Physiology 4 hours  
 CHEM 120 - Survey of Health Chemistry 3 hours  
 HLED 129 - Introduction to Wellness 2 hours  
 HLED 173 - Health for Life 2 hours  
 HLED 210 - Medical Terminology 1 hour  
 HLED 229 - Wellness Applications 2 hours  
 HLED 250 - Corporate Wellness Environments 2 hours  
 HLED 345 - Wellness Coaching 3 hours  
 HLED 356 - Drugs and Society 2 hours  
 HLED 373 - Prevention and Care of Athletic Injuries 2 hours  
 HLED 470 - Current Issues in Health (SERV-2) 2 hours  
 HLED 491 - Wellness Capstone 2 hours  
 PEAC 125 - Fitness for Collegiate Life (P-1a) 1 hour  
 PETH 314 - Biomechanics 3 hours  
 PETH 315 - Physiology of Exercise (W) 4 hours  
 PETH 364 - Principles and Administration of Health, Physical Education and Recreation (W)  
 (SERV-2) 3 hours  
 HLNT 135 - Nutrition 3 hours  
 OR NRNT 125 - Nutrition 3 hours

**TOTAL 45 HOURS****Required Cognates***C- is the minimum grade accepted*

ACCT 221 - Principles of Accounting I 3 hours  
 BMKT 326 - Principles of Marketing 3 hours  
 BUAD 358 - Ethical, Social, and Legal Environment of Business (W) 3 hours  
 CPTC 105 - Introduction to Word Processing 1 hour  
 ECON 213 - Survey of Economics (IN-9) 3 hours  
 JOUR 105 - Writing for the Media 3 hours  
 MGNT 334 - Principles of Management 3 hours  
 PSYC 128 - Developmental Psychology (IN-8) 3 hours  
 PSYC 377 - Fundamentals of Counseling 3 hours  
 VGCA 190 - Health Benefits of Vegetarian Diets 1 hour

**HEALTH SCIENCE, B.S.**

Major	47
General Education	38
Electives to =124	—
<b>TOTAL</b>	<b>124</b>

**Required Courses**

BIOL 225 - Basic Microbiology 4 hours  
 CHEM 151 - General Chemistry (IN-7) 4 hours  
 CHEM 152 - General Chemistry 4 hours  
 HLED 173 - Health for Life 2 hours  
 HLED 356 - Drugs and Society 2 hours  
 HLED 373 - Prevention and Care of Athletic Injuries 2 hours  
 HLED 470 - Current Issues in Health (SERV-2) 2 hours  
 MATH 215 - Statistics (IN-4) 3 hours  
 PEAC 125 - Fitness for Collegiate Life (P-1a) 1 hour  
 PETH 314 - Biomechanics 3 hours  
 PETH 315 - Physiology of Exercise (W) 4 hours  
 PETH 375 - Motor Learning and Development 3 hours

PETH/HLED - UD Elective 2 hours  
 BIOL 101 - Anatomy and Physiology (IN-7) 4 hours  
 BIOL 102 - Anatomy and Physiology 4 hours  
 OR BIOL 151 - General Biology (IN-7) 4 hours  
 BIOL 152 - General Biology (IN-7) 4 hours  
 HLNT 135 - Nutrition 3 hours  
 OR NRNT 125 - Nutrition 3 hours  
**TOTAL 47 HOURS**

## **HEALTH, PHYSICAL EDUCATION AND RECREATION, TEACHING LICENSURE, B.S.**

Leading to Licensure K-12

Major	42
Cognates	17
General Education	37
Professional Education	32
<b>TOTAL</b>	<b>128</b>

### **Required Courses**

ADAC 200 - Gym Climbing (P-1b) 1 hour  
 ADAC 212 - Backpacking (P-1b) 1 hour  
 Additional ADAC courses 2 hours  
 ADTH 350 - Adventure Activity Curriculum Applications 2 hours  
 PETH 114 - ProAct - Softball 1 hour  
 PETH 116 - ProAct - Volleyball 1 hour  
 PETH 117 - ProAct - Basketball 1 hour  
 PETH 119 - ProAct - Soccer 1 hour  
 PETH 214 - ProAct - Tennis 1 hour  
 PETH 216 - ProAct - Fitness for Life 1 hour  
 PETH 217 - ProAct - Badminton 1 hour  
 PETH 219 - ProAct - Gymnastics 1 hour  
 PETH 240 - Coaching for Success 2 hours  
 PETH 314 - Biomechanics 3 hours  
 PETH 315 - Physiology of Exercise (W) 4 hours  
 PETH 363 - Tests and Measurements in Health and Physical Education 3 hours  
 PETH 364 - Principles and Administration of Health, Physical Education and Recreation (W) (SERV-2) 3 hours  
 PETH 375 - Motor Learning and Development 3 hours  
 PETH 437 - Adaptive Physical Education 2 hours  
 PETH 463 - Elementary School Physical Education Methods 2 hours  
 PETH 474 - Psychology and Sociology of Sports (W) 2 hours  
 RECR 268 - Officiating Sports Analysis 2 hours  
 RECR 269 - Officiating Sports Analysis 2 hours  
**TOTAL 42 HOURS**

All non teacher education track Physical Education students will be directed to a Kinesiology track of their choosing.

Competency required in PEAC 143.

Skill deficiencies in each PETH activity unit, PETH 114 through PETH 119 and PETH 214 through PETH 219, will be indicated by grade of C- or less. Deficiencies for these units must be met by taking for no credit the corresponding general education activity course, when available.

Intramural participation is recommended for all majors and minors.

Students who desire teacher certification must meet the State of Tennessee certification requirements set forth by the School of Education and Psychology.

The student must apply for Initial Admission to the Teacher Education Program (usually by the end of the sophomore year) after completing all requirements as outlined under ADMISSION PROCEDURES in the School of Education and Psychology section of the Catalog. Initial admission is required before the student can enroll in upper division education courses.

The student must also complete an application and all other requirements for Admission to Student Teaching. Prior to the professional semester, the student must take and pass the PRAXIS II licensure exam-both the appropriate section of the Principles of Learning and Teaching, and the particular specialty test(s) for the licensure area(s). Teaching endorsement in Health Education K-12 is available by taking an additional Praxis exam.

Non-academic classes such as Kick, Step, and Hydro Aerobics are offered at nominal fees ranging from \$40 - \$75 per semester. These are not for credit.

### Required Cognates

*C- is the minimum grade accepted*

- BIOL 101 - Anatomy and Physiology (IN-7) 4 hours
- BIOL 102 - Anatomy and Physiology 4 hours
- HLED 173 - Health for Life 2 hours
- HLED 373 - Prevention and Care of Athletic Injuries 2 hours
- HLED 473 - Health Education Methods 2 hours
- HLNT 135 - Nutrition 3 hours
- OR NRNT 125 - Nutrition 3 hours

### Professional Core

- EDUC 201 - Teacher Education Candidacy 0 hours
- EDUC 317 - Teaching with Technology 2 hours
- EDUC 343 - Learning Theories and Classroom Management 3 hours
- EDUC 419 - Philosophy and Leadership in Christian Education (W) (SERV-2) 3 hours
- EDUC 434 - Reading and Writing in the Content Areas 2 hours
- EDUC 464 - Teaching Seminar 2 hours
- EDUC 473 - Enhanced Student Teaching K-12 (SERV-2) 10 hours
- HLED 473 - Health Education Methods 2 hours
- PETH 363 - Tests and Measurements in Health and Physical Education 3 hours  
(In place of EDUC 331 - Educational Theory and Assessment)
- PETH 437 - Adaptive Physical Education 2 hours  
(In place of EDUC 338 - Foundations of Inclusive Education (SERV-2))
- PETH 441 - Secondary Physical Education Methods 2 hours  
(In place of EDUC 341 - General Methods and Assessment)
- PSYC 128 - Developmental Psychology (IN-8) 3 hours
- EDUC 129 - Introduction to and Foundations of Elementary Education 3 hours
- OR EDUC 138 - Introduction to and Foundations of Secondary Education 3 hours

**TOTAL 37 HOURS**

### KINESIOLOGY, B.S.

Core	40
Concentrations	21-24
General Education	37-39
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

### Core Courses

- BIOL 101 - Anatomy and Physiology (IN-7) 4 hours
  - BIOL 102 - Anatomy and Physiology 4 hours
  - MATH 215 - Statistics (IN-4) 3 hours
  - HLED 173 - Health for Life 2 hours
  - HLED 373 - Prevention and Care of Athletic Injuries 2 hours
  - PETH 240 - Coaching for Success 2 hours
  - PETH 314 - Biomechanics 3 hours
  - PETH 315 - Physiology of Exercise (W) 4 hours
  - PETH 364 - Principles and Administration of Health, Physical Education and Recreation (W) (SERV-2) 3 hours
  - PETH 375 - Motor Learning and Development 3 hours
  - PETH 474 - Psychology and Sociology of Sports (W) 2 hours
- TOTAL 32 HOURS**

### Professional Activities

- PETH 114 - ProAct - Softball 1 hour
  - PETH 116 - ProAct - Volleyball 1 hour
  - PETH 117 - ProAct - Basketball 1 hour
  - PETH 119 - ProAct - Soccer 1 hour
  - PETH 214 - ProAct - Tennis 1 hour
  - PETH 216 - ProAct - Fitness for Life 1 hour
  - PETH 217 - ProAct - Badminton 1 hour
  - PETH 219 - ProAct - Gymnastics 1 hour
- TOTAL 8 HOURS**

### TOTAL 40 HOURS

### Exercise Science Concentration

- Kinesiology Core 40 hours
  - CHEM 119 - Introductory Chemistry 4 hours
  - PETH 326 - Personal Trainer 3 hours
  - PETH 363 - Tests and Measurements in Health and Physical Education 3 hours
  - PETH 437 - Adaptive Physical Education 2 hours
  - PHYS 137 - Conceptual Physics (IN-7) 3 hours
  - PSYC 122 - General Psychology 3 hours
  - HLNT 135 - Nutrition 3 hours
  - OR NRNT 125 - Nutrition 3 hours
- TOTAL 61 HOURS**

### Recreation Concentration

- Kinesiology Core 40 hours
- ACCT 221 - Principles of Accounting I 3 hours
- OUTL 221 - Challenge Course Facilitator 3 hours
- PETH 255 - Water Safety Instructor 1 hour
- RECR 210 - Group Fitness Instructor 2 hours
- RECR 254 - Lifeguarding (P-1b) 1 hour
- RECR 268 - Officiating Sports Analysis 2 hours
- RECR 269 - Officiating Sports Analysis 2 hours
- RECR 326 - Personal Trainer 3 hours
- RECR 491 - Recreation Practicum 1-3 hours (2 hours required)
- HLNT 135 - Nutrition 3 hours
- OR NRNT 125 - Nutrition 3 hours

### Select six (6) hours from the following:

- ADAC 141 - Fly-Fishing (P-1b) 1 hour
- ADAC 151 - Scuba Diving (P-1b) 1 hour
- ADAC 155 - Basic Kayaking (P-1b) 1 hour

ADAC 200 - Gym Climbing (P-1b) 1 hour  
 ADAC 212 - Backpacking (P-1b) 1 hour  
 ADAC 214 - Mountain Biking (P-1b) 1 hour  
 ADAC 148 - Horsemanship (P-1b) 1 hour  
 ADAC 156 - Land Navigation (P-1b) 1 hour  
**TOTAL 68 HOURS**

### **Sports Management Concentration**

Kinesiology Core 40 hours  
 ACCT 221 - Principles of Accounting I 3 hours  
 ACCT 321 - Managerial Accounting 3 hours  
 BMKT 326 - Principles of Marketing 3 hours  
 MGNT 334 - Principles of Management 3 hours  
 MGNT 344 - Human Resource Management 3 hours  
 MGNT 368 - Multicultural Management 3 hours  
 MGNT 372 - Small Business Management 3 hours  
 MGNT 420 - Organizational Behavior 3 hours  
**TOTAL 64 HOURS**

**TOTAL 61-68 HOURS**

*Note: In the Concentration that does not have a "W" course, students must take two "W" courses outside the major for graduation.*

## **OUTDOOR EMERGENCY SERVICES, B.S.**

Major	73
Cognates	27
General Education	34
<b>TOTAL</b>	<b>134</b>

### **Outdoor Leadership Required Courses**

OUTL 301 - Outdoor Ministries (SERV-2) 3 hours  
 OUTL 136 - Survey of Experiential Leadership 3 hours  
 OUTL 218 - Fundamentals of Experiential Leadership 3 hours  
 OUTL 356 - Outdoor Leadership-Field Experience 3 hours  
 OUTL 391 - Leadership Seminar (W) 1 hour  
 OUTL 430 - Adventure Leadership 3 hours  
 Electives from Skills/Certification Courses, (10 hrs must be UD) 12 hours  
 OUTL 221 - Challenge Course Facilitator 3 hours  
     OR PSYC 221 - Challenge Course Facilitator 3 hours  
 OUTL 318 - Wilderness First Responder 3 hours  
     OR OUTL 330 - Wilderness Emergency Medical Technician 3 hours

### **A.S. Nursing Required Courses**

NURS 105 - Introduction to Healthcare Informatics 1 hour  
 NURS 115 - Health Assessment I 2 hours  
 NURS 120 - Fundamentals of Nursing 7 hours  
 NURS 200 - Adult Health I 4 hours  
 NURS 220 - Mental Health 4 hours  
 NURS 300 - Adult Health II 4 hours  
 NURS 322 - Childbearing Family 4 hours  
 NURS 400 - Adult Health III 4 hours  
 NURS 420 - Child Health (SERV-2) 4 hours  
 NURS 425 - Capstone Clinical - AS 2 hours  
 NURS 432 - Capstone Seminar 2 hours  
 NURS 440 - Preparation for Licensure 1 hour  
**TOTAL 73 HOURS**

**Required Cognates**

- BIOL 101 - Anatomy and Physiology (IN-7) 4 hours
- BIOL 102 - Anatomy and Physiology 4 hours
- BIOL 225 - Basic Microbiology 4 hours
- CHEM 120 - Survey of Health Chemistry 3 hours
- PSYC 128 - Developmental Psychology (IN-8) 3 hours
- RELT 373 - Christian Ethics (R-4) 3 hours
- SOCI 349 - Aging and Society (W) 3 hours
- HLNT 135 - Nutrition 3 hours
- OR NRNT 125 - Nutrition 3 hours

**OUTDOOR LEADERSHIP, B.S.**

Major	44
Concentrations	18-24
Cognates	9
General Education	27-39
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

**Required Core Courses**

- OUTL 301 - Outdoor Ministries (SERV-2) 3 hours
- OUTL 345 - Environmental Education (SERV-2) 2 hours
- OUTL 136 - Survey of Experiential Leadership 3 hours
- OUTL 218 - Fundamentals of Experiential Leadership 3 hours
- OUTL 391 - Leadership Seminar (W) 1 hour
- OUTL 425 - Wilderness Interpretation (W) 3 hours
- OUTL 430 - Adventure Leadership 3 hours
- OUTL 492 - Outdoor Leadership Internship 10 hours
- ADAC/OUTL Electives 10 hours
- OUTL 221 - Challenge Course Facilitator 3 hours
- OR PSYC 221 - Challenge Course Facilitator 3 hours

**Select three (3) hours from the following:**

- OUTL 318 - Wilderness First Responder 3 hours
- OUTL 330 - Wilderness Emergency Medical Technician 3 hours

**TOTAL 44 HOURS****Required Cognates**

- PSYC 122 - General Psychology 3 hours \*
- OR PSYC 128 - Developmental Psychology (IN-8) 3 hours \*

**Area IN-7 - Elective (ERSC 105 recommended) 3 hours***\*Both classes required for Adventure Therapy Concentration***Select three (3) hours from the following:**

- PHYS 317 - Issues in Physical Science and Religion 3 hours
- RELT 317 - Issues in Physical Science and Religion (R-4) 3 hours
- BIOL 421 - Issues in Science and Society (W) 3 hours
- RELT 421 - Issues in Science and Society (W) (R-4) 3 hours

This degree may be customized by selecting one of the following concentrations in lieu of 18-24 hours of general electives.

**Adventure Therapy Concentration**

- PSYC 122 - General Psychology 3 hours
- PSYC 128 - Developmental Psychology (IN-8) 3 hours

PSYC 377 - Fundamentals of Counseling 3 hours

PSYC 422 - Issues in Adolescence 3 hours

PSYC 460 - Group Processes 3 hours

PSYC 479 - Family Counseling 3 hours

**TOTAL 18 HOURS**

### **Business Concentration**

Select any School of Business minOR Total 18-20 Hours

### **Outdoor Ministry Concentration**

RELPL 251 - Introduction to Youth Ministry (R-4) 3 hours

RELPL 264 - Christian Witnessing (R-4) 3 hours

Any RELB, RELP OR RELT 9 hours

UD RELB, RELP OR RELT 3 hours

**TOTAL 18 HOURS**

**TOTAL 62-69 HOURS**

## **OUTDOOR LEADERSHIP, A.S.**

Major	33
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General Education	21
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Electives to = 64	—
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<b>TOTAL</b>	<b>64</b>
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### **Required Courses**

OUTL 301 - Outdoor Ministries (SERV-2) 3 hours

OUTL 136 - Survey of Experiential Leadership 3 hours

OUTL 218 - Fundamentals of Experiential Leadership 3 hours

OUTL 318 - Wilderness First Responder 3 hours

OUTL 356 - Outdoor Leadership-Field Experience 3 hours

PETH 364 - Principles and Administration of Health, Physical Education and Recreation (W)

(SERV-2) 3 hours

**TOTAL 18 HOURS**

### **Select fifteen (15) hours from the following:**

ADAC 141 - Fly-Fishing (P-1b) 1 hour

ADAC 142 - Canoeing (P-1b) 1 hour

ADAC 145 - Basic Rock Climbing (P-1b) 1 hour

ADAC 146 - Whitewater Rafting Guide (P-1b) 1 hour

ADAC 148 - Horsemanship (P-1b) 1 hour

ADAC 151 - Scuba Diving (P-1b) 1 hour

ADAC 152 - Caving (P-1b) 1 hour

ADAC 155 - Basic Kayaking (P-1b) 1 hour

ADAC 156 - Land Navigation (P-1b) 1 hour

ADAC 160 - Snow Skiing/Boarding (P-1b) 1 hour

ADAC 161 - Whitewater Kayaking (P-1b) 1 hour

ADAC 200 - Gym Climbing (P-1b) 1 hour

ADAC 212 - Backpacking (P-1b) 1 hour

ADAC 214 - Mountain Biking (P-1b) 1 hour

ADAC 251 - Advanced Scuba (P-1b) 1 hour

ADAC 262 - Introduction to Camping (P-1b) 1 hour

OUTL 221 - Challenge Course Facilitator 3 hours

OUTL 234 - Emergency Medical Responder I 3 hours

OUTL 235 - Emergency Medical Responder II 3 hours

OUTL 320 - Intermediate/Advanced Rock Climbing 2 hours

OUTL 335 - Challenge Course Management 3 hours

OUTL 346 - Swift Water/Advanced Swift Water Rescue 2 hours



OUTL 348 - AMGA Single Pitch Instructor Course 2 hours  
 OUTL 349 - AMGA Single Pitch Instructor Assessment 1 hour  
 OUTL 353 - Vertical Caving 2 hours  
 PEAC 153 - Basic Swimming (P-1b) 1 hour  
 PEAC 241 - Triathlon (P-1b) 1 hour  
 PEAC 254 - Lifeguarding (P-1b) 1 hour  
 PETH 255 - Water Safety Instructor 1 hour  
 PETH 270 - Certified Pool Operator 1 hour  
 PETH 354 - Lifeguard Instructor 1 hour  
**TOTAL 33 HOURS**

## VEGETARIAN CULINARY ARTS, A.S.

Major	32
General Education	21
Electives to = 64	
<b>TOTAL</b>	<b>64</b>

### Required Courses

VGCA 101 - Professional Cooking: Vegetarian Main Dishes and Entrees I 1 hour  
 VGCA 103 - Introduction to Culinary Fundamentals 2 hours  
 VGCA 109 - Professional Cooking: Soups, Sandwiches and Salads I 1 hour  
 VGCA 113 - Professional Cooking: Desserts 1 hour  
 VGCA 117 - Professional Cooking: Vegetables, Grains and Side Dishes I 1 hour  
 VGCA 125 - International Ethnic Cuisines: The Americas I 1 hour  
 VGCA 135 - Professional Cooking: Baking 1 hour  
 VGCA 151 - Food Safety and Sanitation 2 hours  
 VGCA 173 - Introduction to Menu Development and Operational Procedures 3 hours  
 VGCA 175 - Introduction to Culinary Supervision and Management 2 hours  
 VGCA 181 - Introduction to Marketing for Culinary Professionals 1 hour  
 VGCA 190 - Health Benefits of Vegetarian Diets 1 hour  
 VGCA 202 - Professional Cooking: Main Dishes and Entrees II 1 hour  
 VGCA 218 - Professional Cooking: Vegetables, Grains and Side Dishes II 1 hour  
 VGCA 226 - International and Ethnic Cuisines: Europe and Asia I 1 hour  
 VGCA 235 - Professional Cooking: Pastry and Pies 1 hour  
 VGCA 237 - Professional Cooking: Cake Production and Presentation 1 hour  
 VGCA 269 - Cooking for Special Diets 1 hour  
 VGCA 293 - Vegetarian Culinary Arts Internship 1-4 hours (4 hours required)  
 HLNT 135 - Nutrition 3 hours  
 OR NRNT 125 - Nutrition 3 hours

### Select two (2) hours from the following:

VGCA 121 - Professional Cooking: Fresh and Raw I 1 hour  
 VGCA 140 - Professional Cooking: Beverages I (Elective) 1 hour  
 VGCA 142 - Professional Cooking: Fish and Poultry (Elective) 1 hour  
 VGCA 144 - Professional Cooking: Beef (Elective) 1 hour  
 VGCA 146 - Professional Cooking: Appetizers I (Elective) 1 hour  
**TOTAL 32 HOURS**

## HEALTH & WELLNESS MINOR

### Required Courses

HLED 173 - Health for Life 2 hours  
 HLED 229 - Wellness Applications 2 hours  
 HLED 356 - Drugs and Society 2 hours  
 HLED 470 - Current Issues in Health (SERV-2) 2 hours

HLED 473 - Health Education Methods 2 hours

HLNT 135 - Nutrition 3 hours

OR NRNT 125 - Nutrition 3 hours

**Select five (5) hours from the following:**

HLED 129 - Introduction to Wellness 2 hours

HLED 373 - Prevention and Care of Athletic Injuries 2 hours

HLED 476 - Wellness Methods, Materials, and Management 3 hours

PETH 326 - Personal Trainer 3 hours

PETH 495 - Directed Study (W) 1-3 hours

RELPE 467 - Health Evangelism (R-4) (SERV-2) 2-3 hours

**TOTAL 18 HOURS**

## **OUTDOOR LEADERSHIP MINOR**

### **Required Courses**

OUTL 301 - Outdoor Ministries (SERV-2) 3 hours

OUTL 345 - Environmental Education (SERV-2) 2 hours

OUTL 136 - Survey of Experiential Leadership 3 hours

OUTL 356 - Outdoor Leadership-Field Experience 3 hours

Outdoor Leadership Electives 8 hours

**TOTAL 19 HOURS**

## **PHYSICAL EDUCATION AS A MINOR, TEACHING ENDORSEMENT**

### **Required Courses**

HLED 373 - Prevention and Care of Athletic Injuries 2 hours

PETH 114 - ProAct - Softball 1 hour

PETH 116 - ProAct - Volleyball 1 hour

PETH 117 - ProAct - Basketball 1 hour

PETH 119 - ProAct - Soccer 1 hour

PETH 214 - ProAct - Tennis 1 hour

PETH 216 - ProAct - Fitness for Life 1 hour

PETH 217 - ProAct - Badminton 1 hour

PETH 219 - ProAct - Gymnastics 1 hour

PETH 364 - Principles and Administration of Health, Physical Education and Recreation (W) (SERV-2) 3 hours

PETH 441 - Secondary Physical Education Methods 2 hours

RECR 268 - Officiating Sports Analysis 2 hours

RECR 269 - Officiating Sports Analysis 2 hours

**TOTAL 19 HOURS**

For those getting teacher certification in another area, these courses will be required for an additional endorsement in Physical Education rather than just minor.

## **PHYSICAL EDUCATION MINOR**

### **Required Courses**

PETH 114 - ProAct - Softball 1 hour

PETH 116 - ProAct - Volleyball 1 hour

PETH 117 - ProAct - Basketball 1 hour

PETH 119 - ProAct - Soccer 1 hour

PETH 214 - ProAct - Tennis 1 hour

PETH 216 - ProAct - Fitness for Life 1 hour

PETH 217 - ProAct - Badminton 1 hour

PETH 219 - ProAct - Gymnastics 1 hour

PETH 364 - Principles and Administration of Health, Physical Education and Recreation (W)

(SERV-2) 3 hours

RECR 268 - Officiating Sports Analysis 2 hours

RECR 269 - Officiating Sports Analysis 2 hours

Electives (3 must be UD) 6 hours

**TOTAL 21 HOURS**

# Physical Therapist Assistant

**Chair:** Christopher Stewart

**Faculty:** Mandy Sharpe, Christopher Stewart

**Program Director:** Christopher Stewart

## Mission Statement

The mission of the PTA Program is to develop competent and professional physical therapist assistants able to work under the direction and supervision of a physical therapist through a comprehensive curriculum based on contemporary physical therapy practice. Graduates will meet the needs of the community; perform duties in an ethical and culturally competent manner while reflecting traditional Christian values; and will understand the values of lifelong learning and service.

## Program Outcomes

The graduate will:

1. The Physical Therapist Assistant Program will graduate competent entry-level physical therapist assistants able to work under the direction and supervision of a physical therapist.
2. Program faculty will provide students with a positive learning environment and a comprehensive curriculum based on contemporary, evidence-based physical therapy.
3. The PTA Program will prepare graduates to effectively communicate in a culturally competent manner with patients and caregivers from diverse socio-economic and cultural backgrounds.
4. The PTA Program will promote the importance of personal and professional development through life-long learning, service opportunities, and membership in professional organizations.

## Professional Accreditation

Graduation from a physical therapist assistant education program accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE), 1111 North Fairfax Street, Alexandria, VA 22314; phone, 703-706-3245; accreditation@apta.org is necessary for eligibility to sit for the licensure examination, which is required in all states.

Effective April 30, 2019, Southern Adventist University has been granted Candidate for Accreditation status by the Commission on Accreditation in Physical Therapy Education (1111 North Fairfax Street, Alexandria, VA, 22314; phone: 703-706-3245; email: accreditation@apta.org). If needing to contact the program/institution directly, please call 423-236-2858 or email pta@southern.edu.

Candidate for Accreditation is a pre-accreditation status of affiliation with the Commission on Accreditation in Physical Therapy Education that indicates the program is progressing toward accreditation and may matriculate students in technical/professional courses. Candidate for Accreditation is not an accreditation status nor does it assure eventual accreditation.

## Associate Program

The enrollment and completion of the Physical Therapist Assistant Program at Southern Adventist University will result in the acquisition of an associates of science in Physical Therapist Assistant degree. Upon achievement of this degree, the individual can seek approval to sit for the national PTA licensing examination. This is an online, computer-based test which is administered by the Federation of State Boards of Physical Therapy (FSBPT).

Along with this process, candidates must apply to the state board of physical therapy within the state of practice and pass the state practice law exam (Jurisprudence exam).

## Admission Requirements

Enrollment in the Physical Therapist Assistant (PTA) Program is highly competitive. Therefore, participants are selected through a selection process contained in the admission requirements listed below. Meeting the minimum admission requirements does not guarantee acceptance into the program. The admissions committee consider science GPA, non-science GPA, completion of course requirements, interview, essay, recommendations, and work experience.

Minimum requirements for admission to the Physical Therapist Assistant Program are as follows:

1. Acceptance to Southern Adventist University.
2. Satisfactory completion of all required academic prerequisites (science and non-science minimum GPA of 2.50).
3. Minimum grade of C+ in BIOL 101, BIOL 102, PHYS 137, and MATH 215.
4. Application must be submitted by April 1 for consideration.
5. Documentation of observation hours completed in a PT clinic setting (minimum 80 hours).
6. Work experience in a PT setting is recommended but not required.
7. Signing an agreement to uphold the university mission statement.
8. Letters of recommendation (minimum 3).

## PHYSICAL THERAPIST ASSISTANT, A.S.

Major	47
Cognates	15
General Education	18
<b>TOTAL</b>	<b>80</b>

### Required Courses

PTAS 100 - Physical Therapy Perspectives	3 hours
PTAS 105 - Kinesiology	3 hours
PTAS 115 - Fundamentals of PT Practice	4 hours
PTAS 201 - Observation and Measurement	2 hours
PTAS 205 - Therapeutic Modalities	4 hours
PTAS 209 - Orthopedic Rehabilitation	2 hours
PTAS 212 - Clinical Pathology	2 hours
PTAS 215 - Neuromuscular Rehabilitation	4 hours
PTAS 218 - Rehabilitation	3 hours
PTAS 220 - Therapeutic Exercise	3 hours
PTAS 225 - Capstone Seminar	1 hour
PTAS 235 - Clinical Affiliation I	4 hours
PTAS 245 - Clinical Affiliation II	6 hours
PTAS 255 - Clinical Affiliation III	6 hours
<b>TOTAL 47 HOURS</b>	

### Required Cognates

BIOL 101 - Anatomy and Physiology (IN-7)	4 hours
BIOL 102 - Anatomy and Physiology	4 hours
HLED 210 - Medical Terminology	1 hour
MATH 215 - Statistics (IN-4)	3 hours
PHYS 137 - Conceptual Physics (IN-7)	3 hours

# Physics and Engineering

**Chair:** Ken Caviness

**Faculty:** Vola Andrianarijaona, Ken Caviness, Blake Laing

**Adjunct Faculty:** Henry Kuhlman, Steven Kuhlman

## **Program Coordinators:**

Biophysics, Physics, and Physics w/Teaching Licensure, Ken Caviness

Engineering Studies, Ken Caviness

**Engineering Studies Committee:** Ken Caviness (Chair), Tyson Hall, Ken Caviness

## **Statement of Mission**

The mission of the Physics and Engineering Department is to empower physics and engineering majors, as well as other students, to prepare for continuing education in a professional school, graduate school, and/or the job market, and to help them integrate science with their faith in God.

## **Physics**

Physics is the study of matter and energy and the many ways in which they interact. Students who seek an understanding of the fundamental workings of nature and desire to develop versatile analytical, research, and problem solving skills will find a physics major to be a rewarding way to begin their professional careers.

Many doors of service await students who study physics. Southern Adventist University physics major graduates have had successful careers as research scientists at national laboratories, program managers or computer software developers in technology companies, medical doctors, university professors, and high school teachers, in addition to other professions that require quantitative problem solving skills.

The Physics and Engineering Department offers B.S. and B.A. degrees in Physics and a B.S. in Biophysics. The B.S. degree in Physics gives the strongest physics foundation for any physics-related career. The B.A. degree in Physics with teaching licensure is recommended for a career in secondary teaching. The B.S. degree in Biophysics should be considered by students planning on advanced study and research in the fields of medicine, biophysics, physiology, radiation biology, and bioengineering.

## **Assessment of the Physics Program**

To help the graduates in Physics evaluate their academic progress and to aid the department in evaluating teaching effectiveness, each senior is required to:

- Take the ETS Major Field Test in Physics.
- Take the physics portion of the GRE if planning to apply to a graduate program in physics. A score above the 35th percentile is necessary for recommendation for graduate study.
- Take PHYS 480 and do original research as a prerequisite.

Alumni are surveyed and studies are prepared comparing GRE results, careers, and graduate-study success. Information gained from the assessments and studies is used to evaluate departmental programs.

## **Engineering Studies**

Engineers are responsible for using knowledge about nature to create things people use. Students who have a curiosity about how things work and who wish to learn how to rigorously design new things will find this to be a challenging and rewarding career path.

The Physics and Engineering Department offers an A.S. in Engineering Studies. Upon completing the two-year engineering studies program, students may transfer directly into the third year at the baccalaureate engineering program of their choice.

We are directly affiliated with two such programs: the Edward F. Cross School of Engineering at Walla Walla University and the Department of Engineering and Computer Science at Andrews University. Both of these institutions award a Bachelor of Science in Engineering degree. Andrews is located in Michigan and offers concentrations in Electrical and Computer Engineering and Mechanical Engineering. Walla Walla is located in Washington State and offers concentrations in Civil, Computer, Electrical, and Mechanical Engineering, as well as Bioengineering. The Bachelor of Science in Engineering degree programs at both of these institutions are fully accredited by the Accreditation Board of Engineering and Technology (ABET) - the only nationally recognized organization which accredits engineering programs.

Students routinely transfer to and succeed in other non-affiliated baccalaureate engineering programs, such as Georgia Tech and the University of Tennessee, Chattanooga. Such students connect with an academic adviser at the other school in their first year in order to plan a course sequence with their local adviser.

## Assessment of the Engineering Studies Program

The engineering studies program is designed to parallel the first two years of the baccalaureate engineering degree at affiliate engineering schools. It is regularly assessed by means of one or two campus visits each year by engineering faculty from these affiliate schools.

### BIOPHYSICS, B.S.

Major	41
Cognates	40
General Education	39
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

#### Required Courses

- BIOL 151 - General Biology (IN-7) 4 hours
- BIOL 152 - General Biology (IN-7) 4 hours
- BIOL 311 - Genetics 4 hours
- BIOL 412 - Cell and Molecular Biology 4 hours
- BIOL 418 - Animal Physiology 3 hours
- PHYS 221 - University Physics I (IN-7) 4 hours
- PHYS 222 - University Physics II 4 hours
- PHYS 223 - University Physics Laboratory I (IN-7) 1 hour
- PHYS 224 - University Physics Laboratory II 1 hour
- PHYS 305 - Biophysics 3 hours
- PHYS 310 - Modern Physics 3 hours
- PHYS 325 - Advanced Physics Laboratory I 1 hour
- PHYS 480 - Scientific Writing and Presentation (W) 1 hour
- Physics Electives 3 hours

#### Select one (1) hour from the following

- PHYS 295 - Directed Study 1-3 hours
- PHYS 495 - Directed Study 1-3 hours
- PHYS 297 - Undergraduate Research in Physics 1-2 hours
- PHYS 497 - Undergraduate Research in Physics 1-2 hours

**TOTAL 41 HOURS**

**Required Cognates**

MATH 191 - Calculus I 4 hours  
 MATH 192 - Calculus II 4 hours  
 MATH 200 - Elementary Linear Algebra 2 hours  
 MATH 215 - Statistics (IN-4) 3 hours  
 MATH 218 - Calculus III 4 hours  
 MATH 315 - Differential Equations 3 hours  
 CHEM 151 - General Chemistry (IN-7) 4 hours  
 CHEM 152 - General Chemistry 4 hours  
 CHEM 311 - Organic Chemistry 4 hours  
 CHEM 312 - Organic Chemistry 4 hours  
 CHEM 361 - Biochemistry I 4 hours

**Recommended Electives**

CPTR 124 - Fundamentals of Programming 4 hours  
 CHEM 362 - Biochemistry II 3 hours  
 PHYS 411 - Statistical and Thermal Physics 3 hours  
 PHYS 412 - Quantum Mechanics 3 hours

**PHYSICS, B.S.**

Major	40
Cognates	17-18
General Education	42
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

**Required Courses**

PHYS 221 - University Physics I (IN-7) 4 hours  
 PHYS 222 - University Physics II 4 hours  
 PHYS 223 - University Physics Laboratory I (IN-7) 1 hour  
 PHYS 224 - University Physics Laboratory II 1 hour  
 PHYS 310 - Modern Physics 3 hours  
 PHYS 412 - Quantum Mechanics 3 hours  
 PHYS 413 - Analytic Mechanics 3 hours  
 PHYS 414 - Electrodynamics I 3 hours  
 PHYS 415 - Electrodynamics II 3 hours  
 PHYS 418 - Advanced Quantum Mechanics I 3 hours  
 PHYS 480 - Scientific Writing and Presentation (W) 1 hour  
 Physics Electives 8-10 hours

**Select one (1) hour from the following**

PHYS 295 - Directed Study 1-3 hours  
 PHYS 495 - Directed Study 1-3 hours  
 PHYS 297 - Undergraduate Research in Physics 1-2 hours  
 PHYS 497 - Undergraduate Research in Physics 1-2 hours

**TOTAL 40 HOURS**

*Note: Computers are used routinely in most of these courses.  
 Students are encouraged to become student members of the American Physical Society.*

**Required Cognates**

MATH 191 - Calculus I 4 hours  
 MATH 192 - Calculus II 4 hours  
 MATH 218 - Calculus III 4 hours  
 MATH 315 - Differential Equations 3 hours  
 MATH 200 - Elementary Linear Algebra 2 hours  
 OR MATH 201 - Intermediate Linear Algebra 3 hours



**PHYSICS, B.A.**

Major	30
Cognates	17-18
Minor	18
General Education	42
Elementary Foreign Language*	0-6
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

**Required Courses**

PHYS 155 - Descriptive Astronomy: Creation and Cosmology (IN-7)	3 hours
PHYS 221 - University Physics I (IN-7)	4 hours
PHYS 222 - University Physics II	4 hours
PHYS 223 - University Physics Laboratory I (IN-7)	1 hour
PHYS 224 - University Physics Laboratory II	1 hour
PHYS 310 - Modern Physics	3 hours
PHYS 480 - Scientific Writing and Presentation (W)	1 hour
Physics Electives (10 UD)	13 hours
<b>TOTAL 30 HOURS</b>	

\*Elementary foreign language or two years of foreign language in high school 0-6 hours

**Required Cognates**

MATH 191 - Calculus I	4 hours
MATH 192 - Calculus II	4 hours
MATH 218 - Calculus III	4 hours
MATH 315 - Differential Equations	3 hours
MATH 200 - Elementary Linear Algebra	2 hours
OR MATH 201 - Intermediate Linear Algebra	3 hours

**Strongly Recommended Elective**

PHYS 400 - Physics Portfolio	1 hour
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**PHYSICS, TEACHING LICENSURE, 6-12, B.A.**

Teaching licensure in Physics requires a baccalaureate degree and completion of professional education courses (Requirements for Certification) for licensure.

The student must apply for Initial Admission to the Teacher Education Program (usually by the end of the sophomore year) after completing all requirements as outlined under **ADMISSION PROCEDURES** in the School of Education and Psychology section of the Catalog. Initial admission is required before the student can enroll in upper division education courses.

The student must also complete an application and all other requirements for Admission to Student Teaching. Prior to the professional semester, the student must take and pass the PRAXIS II licensure exam-both the appropriate section of the Principles of Learning and Teaching, and the particular specialty test(s) for the licensure area(s).

Major	30
Cognates	29-30
General Education	27
Elementary Foreign Language*	0-6
Professional Education	36
Denomination Certification	14
<b>Total</b>	<b>136-143</b>

*Math Prerequisites not included*

**Required Courses**

PHYS 155 - Descriptive Astronomy: Creation and Cosmology (IN-7) 3 hours  
 PHYS 221 - University Physics I (IN-7) 4 hours  
 PHYS 222 - University Physics II 4 hours  
 PHYS 223 - University Physics Laboratory I (IN-7) 1 hour  
 PHYS 224 - University Physics Laboratory II 1 hour  
 PHYS 310 - Modern Physics 3 hours  
 PHYS 400 - Physics Portfolio 1 hour  
 PHYS 480 - Scientific Writing and Presentation (W) 1 hour  
 Physics Electives (9 UD) 12 hours  
**TOTAL 30 HOURS**

*\*Elementary foreign language or two years of foreign language in high school 0-6 hours*

**Required Cognates**

BIOL 103 - Principles of Biology (IN-7) 3 hours  
 ERSC 105 - Earth Science (IN-7) 3 hours  
 MATH 191 - Calculus I 4 hours  
 MATH 192 - Calculus II 4 hours  
 MATH 218 - Calculus III 4 hours  
 MATH 315 - Differential Equations 3 hours  
 MATH 200 - Elementary Linear Algebra 2 hours  
 OR MATH 201 - Intermediate Linear Algebra 3 hours

**Select three (3) hours from the following:**

BIOL 424 - Issues of Natural Science and Religion (W) 3 hours  
 RELT 317 - Issues in Physical Science and Religion (R-4) 3 hours  
 RELT 320 - Issues in Physical Science and Religion (R-4) (W) 3 hours

**Professional Education Courses**

EDUC 138 - Introduction to and Foundations of Secondary Education 3 hours  
 EDUC 201 - Teacher Education Candidacy 0 hours  
 EDUC 317 - Teaching with Technology 2 hours  
 EDUC 338 - Foundations of Inclusive Education (SERV-2) 3 hours  
 EDUC 341 - General Methods and Assessment 3 hours  
 EDUC 342 - Curriculum and Content Methods - Secondary 2 hours  
 EDUC 343 - Learning Theories and Classroom Management 3 hours  
 EDUC 419 - Philosophy and Leadership in Christian Education (W) (SERV-2) 3 hours  
 EDUC 434 - Reading and Writing in the Content Areas 2 hours  
 EDUC 464 - Teaching Seminar 2 hours  
 EDUC 472 - Enhanced Student Teaching - Secondary (SERV-2) 10 hours  
 PSYC 128 - Developmental Psychology (IN-8) 3 hours  
**TOTAL 36 HOURS**

**SDA Certification**

HLED 173 - Health for Life 2 hours  
 RELB/RELT - Biblical Studies/Theological Studies 3 hours  
 REL - Upper division religion elective 3 hours  
 RELT 138 - Adventist Heritage (R-2) 3 hours  
 RELT 255 - Christian Beliefs (R-2) 3 hours  
**TOTAL 14 HOURS**

**ENGINEERING STUDIES, A.S.**

Major	37-38
Cognates	12
General Education	18
<b>TOTAL</b>	<b>67-68</b>

### **Required Courses**

- ENGR 121 - Introduction to Engineering 1 hour
- ENGR 149 - Introduction to Mechanical Drawing and CADD 3 hours
- ENGR 211 - Engineering Mechanics: Statics 3 hours
- ENGR 212 - Engineering Mechanics: Dynamics 3 hours
- ENGR 228 - Linear Circuit Analysis 3 hours
- MATH 191 - Calculus I 4 hours
- MATH 192 - Calculus II 4 hours
- MATH 218 - Calculus III 4 hours
- PHYS 221 - University Physics I (IN-7) 4 hours
- PHYS 222 - University Physics II 4 hours
- PHYS 223 - University Physics Laboratory I (IN-7) 1 hour
- PHYS 224 - University Physics Laboratory II 1 hour
- MATH 200 - Elementary Linear Algebra 2 hours
  - OR MATH 201 - Intermediate Linear Algebra 3 hours
  - OR MATH 315 - Differential Equations 3 hours

### **TOTAL 37-38 HOURS**

Including general education requirements, a total of 66-67 hours is required for the A.S. degree in engineering studies. It is important to work closely with an academic adviser during the first year in order to transfer to the third year of a baccalaureate engineering program.

### **Required Cognates**

- CHEM 151 - General Chemistry (IN-7) 4 hours
- CHEM 152 - General Chemistry 4 hours
- CPTR 124 - Fundamentals of Programming 4 hours

## **PHYSICS MINOR**

### **Required Courses**

- Physics Electives 12 hours
  - Upper Division Physics Courses 6 hours
- ### **TOTAL 18 HOURS**

# School of Religion

**Dean:** Greg A. King

**Faculty:** Stephen Bauer, Hyunsok (John) Doh, Eliezer A. Graterol, David Hartman, Michael G. Hasel, Greg A. King, Martin G. Klingbeil, Judson Lake, Alan Parker, Wilson Paroschi, Barry J. Tryon

**Research Professors of Religion:** Douglas Jacobs, Edwin Reynolds

**Adjunct Faculty:** Jack J. Blanco, Troy Brand, Michael W. Campbell, Chester Clark III, Fred Fuller, Steven Grabiner, Sherry Manison, Carlos G. Martin, Derek Morris, Marla Nedelcu, Nicole Parker, Felicia Phillips, Philip G. Samaan

**Adjunct Faculty for Evangelism:** Ron E. M. Clouzet, Mark Finley

## **Program Coordinators:**

Archaeology, Michael G. Hasel  
Biblical Studies, Wilson Paroschi  
Missions, Eliezer A. Graterol  
Pastoral Care, Barry Tryon  
Religious Education, Teacher Certification, Judson Lake  
Religious Studies, Greg A. King  
Theology, Greg A. King  
Religion A.A., Alan Parker  
Bible Worker Certification, Alan Parker

**Evangelism Resource Center Coordinator:** Raul Rivero

**Archaeological Museum Coordinator:** Angela Edwards

**Soul-winning and Leadership Training Program Director:** Douglas Na'a

## **Mission Statement**

The School of Religion provides biblical, theological, and practical courses to help all university students experience a growing relationship with Jesus Christ, understand His teachings in the context of the Seventh-day Adventist Church, and live ethical lives in harmony with the Scriptures. It also provides quality training in the fields of theology, pastoral care, religious education, religious studies, and archaeology, so its graduates, solidly grounded in Scripture and with a clear burden for others' salvation, become instruments in God's hands to impact the world.

## **Programs and Course Offerings**

### **General Education Courses**

1. To provide instruction in the Scriptures that enhances an intelligent faith in Jesus Christ.
2. To encourage development of a set of values that will provide a basis for moral decision-making in the Christian life.
3. To acquaint the students with the teachings, history, and global mission of the Seventh-day Adventist Church.

### **Theology Major**

1. To provide professional training that prepares graduates to serve the Seventh-day Adventist Church effectively in ministry.

2. To provide an adequate pre-Seminary training in biblical backgrounds, languages, history, theology, and church ministries to meet entrance requirements to the M.Div. degree program offered by Andrews University.
3. To provide instruction and practical experience in church ministries and public evangelism as outlined in the requirements of the Certification for Ministry.

### **Archaeology Major**

1. To provide instruction in the methodology and interpretation of archaeological data as it relates to the people, places, and events of the Bible.
2. To provide the necessary tools and skills for linguistic/exegetical, historical, archaeological, and anthropological analyses.
3. To qualify students to pursue graduate work in Classical or Near Eastern archaeology or museum studies, and to provide a major for students involved in pre-professional programs.

### **Biblical Studies Major**

1. To provide education in Biblical Studies which does not also require the professional training for pastoral ministry or religious education.
2. To prepare students to pursue graduate work in Biblical Studies, to provide a major for students who are involved in pre-professional programs, and to provide a second major for students who are studying other disciplines.
3. To prepare students to become well-informed leaders in local churches.

### **Missions Major**

1. To provide a biblical and theological foundation, as well as practical experience, in the area of missions.
2. To provide training in missions to students who are involved in pre-professional programs.
3. To prepare graduates to serve the church more effectively.

### **Pastoral Care Major**

1. To provide comprehensive, theological, pre-Seminary training for chaplaincy and pastoral care ministries.
2. To supervise pre-Clinical Pastoral Education training for ministries requiring chaplaincy certification.
3. To furnish instruction and practical experience in pastoral and other spiritual caring ministries as outlined in the requirements for the Certification for Pastoral Care and required cognates.

### **Religious Education Major**

1. To prepare the student for state and church certification (in cooperation with the School of Education and Psychology) on the elementary or secondary levels.
2. To support candidates in meeting the requirements of the School of Education and Psychology and its certifying officer by offering a course in Curriculum and Content Methods/Bible and by supervising student teaching.
3. To qualify students to pursue graduate work in biblical and religious studies.

### **Religious Studies Major**

1. To provide a basic education in biblical and religious studies without meeting the professional requirements of other majors.
2. To provide a major for students who are involved in pre-professional programs or who elect a double major, one of which is Religious Studies.
3. To prepare students to become well-informed local church leaders.

### **Bible Instructor or Literature Evangelist (Associate Degree)**

1. To provide courses in biblical and theological studies that will give the student a foundational knowledge of Scripture.
2. To provide instructional and practical experience in the student's chosen emphasis.
3. To prepare students to function within the context and structure of church organization.

### **Effectiveness**

The School of Religion is committed to developing an ongoing assessment and strategy to measure its effectiveness in harmony with the Mission Statement of Southern Adventist University, its own mission statement, and the recommendation of the Southern Association of Colleges and Schools.

### **Faculty Assessment**

The effectiveness of the School of Religion's faculty and programs is directly or indirectly assessed by:

1. Student evaluations of all classes administered regularly through the office of the vice president for academic administration.
2. Majors in the final semester of their senior year.
3. Periodic meetings of the faculty with the chair of the Board and the presidents of conferences within the Southern Union Conference.

### **Student Assessment**

The following forms of assessment pertain to students taking a major in the School of Religion:

1. The 16PF test is required for all Theology and Pastoral Care majors in their sophomore year. The results are compared with norms established from the performance of successful Adventist pastors on the same test. If a student's scores differ greatly from these norms, the faculty member assigned to administer the test meets with the student to discuss the potential difficulties and to suggest strategies for improvement. This may involve referral to a professional for personal or career counseling.
2. The 16PF test is administered by the School of Education and Psychology to all Religious Education majors. If the student's scores indicate potential difficulties, the School of Religion is asked to assist in strategies for improvement.
3. A cumulative record of Religious Studies and Archaeology majors is kept as a source of information for recommendation purposes. This record includes academic data and other relevant information.

*Note: A summary of the evaluations referred to above will be made available in the form of a check sheet to prospective employers who request it and will be signed by the School dean on behalf of the religion faculty. The School itself cannot guarantee employment.*

### **Program Requirements**

#### **Admission to the Theology and Pastoral Care Programs**

Students who are taking a major in either Theology or Pastoral Care are required to make formal application to the ministerial program to become a trainee, normally during the first semester of their sophomore year. Transfer students must have completed at least one semester in residence and have sophomore status before applying. The application process should be completed during the fall semester. In evaluating applications, the religion faculty will consider the student's spiritual and theological commitment, moral character, integrity, emotional stability, grade point average, and social and professional skills in order to determine the applicant's fitness for the program and overall potential for success in ministry. Students will be notified of the faculty's decision, and those whose

applications are accepted will become ministerial trainees. If at any time after being admitted to the program, trainees give evidence of failure to maintain commitment to the criteria of the ministerial program, including its expectations about spiritual commitment, moral character, or grade point average, they forfeit their standing as trainees and the privilege of being recognized as ministerial candidates in their senior year. Those who have already been accepted as ministerial candidates and then manifest a lack of commitment to the aforementioned criteria of the program will have their candidacy rescinded. Acceptance into the ministerial program as a trainee and approval as a candidate are both required for the completion of either a Theology or a Pastoral Care major. Students not accepted into the program as trainees and/or candidates and those students whose trainee or candidate status is rescinded are not eligible to receive a Theology or Pastoral Care major. However, they may apply to the School of Religion faculty to be allowed to complete a major in Religious Studies.

### **Trainees:**

Students may apply to the ministerial program for trainee status by mid-term of the first semester of their sophomore year. These applications will be considered during the last half of the first semester and announced by the start of the second semester.

#### *Qualifications*

1. Successful completion of 40 hours of academic credit by the time of the trainee induction service, including ENGL 101, ENGL 102; COMM 135; RELB 125; RELL 181 or RELL 191; RELP 150; RELT 138, RELT 177.
2. An overall grade point average of at least 2.50 and a grade point average of 2.50 in all religion classes (including certification classes) completed at the time of application.
3. Completion of at least two semesters in residence at Southern.
4. A record of regular attendance at required activities of the Southern School of Religion.
5. Completion of the 16PF Test within six months prior to application.
6. Successful completion of the Southern School of Religion Test of Elementary Biblical Knowledge.
7. Successful completion of the Southern School of Religion Test of Elementary Doctrinal Knowledge or RELT 255 - Christian Beliefs (R-2).
8. Submission of four references, including at least one from each of the following:
  - A local pastor.
  - A local church elder or church officer.
  - An employer OR work supervisor, OR supervisor of volunteer ministries.
9. Completion of a prescribed semi-structured interview with the student's adviser.
10. Development and submission of a ministry experience portfolio, including the following:
  - A statement of call (similar, though not necessarily identical to the one written for RELP 150 - Introduction to Ministry).
  - Description of church and ministry activity.
  - Description of any volunteer or employment experience in any setting.
  - A statement of personal goals and values.
  - A growth plan based on self-evaluation, the results of standardized tests, and the interview with the adviser.
11. Approval by the School of Religion Faculty Committee based on the following factors:
  - Evaluation of the ministry experience portfolio.
  - Consideration of written recommendations and the recommendation of the adviser.
  - Consideration of academic performance.
  - Consideration of standardized test results.
  - Consideration of the student's reputation in the university, church, and community.

### *Procedure*

The process of application and admission is as follows:

1. Complete the 16PF test during the first semester of the sophomore year. This test will typically be offered in early September.
2. Complete the trainee application form (available from the resource secretary) during the Fall semester.
3. Applications for admission as trainees will be considered by the faculty in December. This will allow time for evaluation and additional consultation with students, if necessary.
4. Trainees will be officially inducted into the program at the time of the annual trainee induction weekend.

### **Candidates:**

Students will be considered for approval as ministerial candidates at the beginning of the first semester of their senior year. These applications will be considered during the early part of the first semester and announced about the end of September.

### *Qualifications*

Prior to admission to candidate status, the student should complete the following requirements:

1. Be in the process of completing (within one academic year) the 35-hour major in Theology or the 35-hour major in Pastoral Care.
2. Be in the process of completing (within one academic year) the 20-hour minor in Biblical Languages.
3. Be in the process of completing (within one academic year) the 24 hours required for certification for ministry or the 17 hours required for certification for pastoral care, whichever may apply.
4. Be in the process of completing (within one academic year) the general education requirements and the required cognates for the B.A. in Theology or Pastoral Care.
5. Maintain an overall grade point average (GPA) of 2.50, and a GPA in all religion classes (including certification classes) of 2.50.
6. Complete the ministerial candidate requirements.
7. Complete a second 16PF test within 12 months prior to application for candidate status if desired by the student. However, the School of Religion faculty reserves the right to require the student to do so.
8. Maintain a record of regular attendance at required activities of the Southern School of Religion.
9. Complete the first ministerial externship year with the assigned local congregation.
10. Submit the student's ministerial experience portfolio, including all items required for trainee status (updated to the time of the candidature interview), as well as the following:
  - A current resume.
  - A description of goals for ministry and plans for further education.
  - A recommendation by the mentoring pastor.
  - A recommendation by a member of the board from the mentoring church or from the Summer in Ministry internship pastor.
11. Go through the candidature interview.
12. Be approved by the School of Religion Faculty Committee based on the following factors:
  - Evaluation of the ministry experience portfolio.



- Consideration of the recommendations and the recommendation of the adviser.
- Consideration of the student's performance in ministry activities.
- Consideration of academic performance.
- Consideration of the student's reputation in the university, church, and community.

Theology students may apply to the School for variances from #2, #3, and #4 of the above qualifications, including exemptions from one biblical language (Hebrew or Greek), intermediate languages, HIST 364, and HIST 365, provided they meet the following criteria:

1. Must have attained the age of 35 years prior to applying for these variances.
2. Must transfer in a minimum of 48 semester hours applicable to a degree in theology.
3. Must have been active in church work and be recommended by their local pastor or conference for ministerial training on the basis of this work.
4. Must have individualized study programs accepted by the faculty prior to being approved for the variances indicated above.

### *Procedure*

The process of admission is as follows:

1. Complete the 16PF during the first semester of the senior year. This test will typically be administered in early September.
2. Ministerial candidates will be considered by the faculty in September. This will allow time for evaluation and additional consultation with students, if necessary.
3. A list of candidates approved in this program will be posted about the end of September. In addition, the individuals admitted as candidates will be notified by email.
4. Candidates will be considered officially approved at the time the list is posted and will be honored in the Ministerial Candidate Recognition service.
5. Students will be eligible to sign up for conference interviews for graduating seniors only following their approval as candidates. If interviews for juniors are requested, students will be eligible only if they have been admitted as trainees.

## **Ministerial Externship**

The School of Religion requires field education of Theology and Pastoral Care majors. The Ministerial Externship Program is designed to enhance professional development by acquainting the student with the multi-faceted responsibilities of ministry. It provides a laboratory setting in membership care, evangelism, church leadership, worship, and preaching by working with experienced mentoring pastors and lay leaders in a local church. The education is necessary before the student can be recommended by the School of Religion for church employment. For students to be approved for participation in the Ministerial Externship Program, they must either be ministerial trainees or receive permission from the School of Religion.

## **Field School of Evangelism**

Full-scale evangelistic meetings will be conducted for four weeks each summer, under the auspices of the Southern Union Conference of Seventh-day Adventists. In addition, during some summers students may be permitted to participate in a three-week evangelistic series in a mission setting overseas. All theology majors are required to participate in one such field school. Students planning to take the summer field school program must have earned 55 hours with a 2.50 cumulative grade point average, have taken RELP 321, RELP 322, RELP 363, and RELP 405, and must be accepted as a ministerial trainee in order to be approved for participation in field school. Applications and scholarship information may be obtained from the field school coordinator.

## Pastoral Care Practicum

All Pastoral Care majors are required to participate in a pre-approved ministry practicum, normally offered during the summer. Students planning to take the Pastoral Care practicum must have met all application requirements for consideration. Applications will be available to upper-classmen and can be obtained from the School of Religion.

## Admission to Archaeology

The Archaeology major is a liberal arts major for students interested in preparing for graduate studies in archaeology, museum studies, cultural resource management, or as preparation for a professional field such as medicine, dentistry, law, or education. Students choosing to major in Archaeology must consult with the director of the Institute of Archaeology to determine their area of interest in Near Eastern or Classical Studies and to lay plans for participation in the Middle East Study Tour and in the archaeological fieldwork. Archaeology majors are required to serve as museum docents for two hours per week during each semester in residence, for training purposes.

The four-year degree candidate may apply the required 12 hours of General Education courses in religion toward the hours for the major, thus reducing the number of extra courses needed to qualify.

## Admission to Biblical Studies

The Biblical Studies major is a liberal arts major for students interested in preparing for graduate studies in Old or New Testament, as well as for those planning to enter a professional field such as medicine, dentistry, law, or education.

This major provides a thorough exposure to classes in biblical studies. The four-year degree candidate may apply the required 12 hours of General Education courses in religion toward the hours needed for the major.

## Admission to Missions

The Missions major is a liberal arts major for students interested in preparing for medicine, law, development, education, and other graduate studies.

It aims to prepare students to serve as cross-cultural missionaries, as well as to engage in missional living in their local communities. It also helps prepare students for graduate studies in missiology, anthropology, and intercultural studies.

It provides the fundamentals of both biblical and theological studies and practical experience. The four-year degree candidate may apply the required 12 hours of general education courses in religion toward the hours for the major.

## Admission to Religious Education

The Religious Education Program is coordinated with the School of Education and Psychology of the university. Planning for certification by the states and/or endorsement by the Seventh-day Adventist church for Bible teaching is made with the certifying officer of the School of Education and Psychology, both for admission to the Religious Education program in the sophomore year and to the professional semester before the senior year.

The student must apply for initial admission to the Teacher Education Program (usually by the end of the sophomore year) after completing all requirements as outlined under "ADMISSION PROCEDURES" in the School of Education and Psychology section of the Catalog. Initial admission is required before the student can enroll in upper-division education courses.

The student must also complete an application and all other requirements for admission to Student Teaching. Prior to the professional semester, the student must take and pass

the PRAXIS II licensure exam-both the appropriate section of the Principles of Learning and Teaching, and the particular specialty test(s) for the licensure area(s).

The criteria for admission to Religious Education, requirements for secondary Bible teaching, and policies and procedures related to student teaching may be found in the University Catalog under the School of Education and Psychology and obtained from the secretary of the School of Education and Psychology in Summerour Hall.

## Teacher Certification and Endorsement

Those seeking Tennessee State Certification must fulfill requirements listed here.

## Admission to Religious Studies

The Religious Studies major is a liberal arts major for students interested in preparing for professional fields such as medicine, dentistry, law, and other graduate studies.

It provides a balanced selection of both biblical studies and theology courses. The four-year degree candidate may apply the required 12 hours of General Education courses in religion toward the hours needed for the major, thus reducing the number of extra courses needed to qualify.

## Admission to Bible Instructor or Literature Evangelist

The Bible Worker and Literature Evangelist Program is a 64-hour two-year degree leading to an A.A. in Religion. Students wishing to be recommended for employment as Bible instructors or literature evangelists must be approved by the School of Religion. The School of Religion cannot recommend for employment anyone whose course of study has been inadequate or unapproved.

## General Education Courses in Religion

The objective in all religion courses is to enhance knowledge of and appreciation for the Scriptures, and to assist the student in gaining and maintaining a vital involvement with Jesus Christ and a personal commitment to serve family, church, community, and the world. Six semester hours of religion are required of the two-year graduate, and 12 semester hours of the four-year graduate. This is equivalent to one three-hour course per year, which may be selected from any of the religion courses offered. Bachelor's degree students must take at least three semester hours at the upper-division level. (Detailed information on General Education requirements are found in this Catalog.)

## Graduation Requirements

The candidates for graduation in the program for **Theology** or for **Pastoral Care** must have a grade point average (GPA) of 2.50 overall, (the same GPA required for entrance to the Seminary), along with a 2.50 aggregate GPA in all required religion classes, including certification classes. In addition to their major, they must take 20 hours for the Certification in Biblical Languages, 24/19 hours for the Certification in Ministry/Pastoral Care, and 6/15 hours in cognates to qualify for ministerial candidacy. Additionally, among all the classes required for certification, no more than two classes will be allowed with a grade below "C-" and only in one area of certification. They must also give evidence of moral, physical, social, and intellectual fitness and demonstrate professional commitment in order to achieve and retain trainee and candidate status and for the School of Religion to recommend them as prospective ministerial employees. Students who are not accepted as trainees and/or candidates or who lose said status are not eligible to graduate with a **Theology** or **Pastoral Care** major. However, with the permission of the Religion faculty, these students may be allowed to complete a Religious Studies major. **Archaeology** graduation candidates must have a cumulative GPA of 2.75 and 2.75 in their major. Candidates for the **Biblical Studies** major must have a cumulative GPA of 2.75 and 2.75 in their major. Candidates for the **Missions** major must have a cumulative GPA of 2.50. Those students pursuing the **Religious Education** major must have a GPA of 2.75 overall, and a 2.75 in

education and in the field of certification as outlined by the School of Education and Psychology. The **Religious Studies**, as well as the **A.A. in Religion** candidates for graduation, must have a GPA of 2.25 overall and a 2.25 in their major as outlined in this Catalog.

## ARCHAEOLOGY, B.A.

Core Courses	23
Concentration	17
Cognates	3-6
Minor	18
General Education	36
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

### Core Courses

- RELB 237 - Archaeology and the Old Testament (R-3) (R-4) 3 hours
- RELB 247 - Archaeology and the New Testament (R-3) (R-4) 3 hours
- RELB 340 - Middle East Study Tour (R-3) (R-4) 1-3 hours (3 hours required)
- RELB 455 - Archaeological Fieldwork (R-4) 1-6 hours (3 hours required)
- RELB 497 - Archaeological Method and Theory (R-4) 3 hours
- RELP 257 - Museum Education (SERV-2) 1 hour
- RELP 435 - Levantine Ceramic Typology 1 hour

### Select six (6) hours from the following:

- RELB 477 - Exodus, Egyptian Warfare, and Archaeology (R-3) (R-4) (W) 3 hours
- RELB 479 - Biblical Imagery and the Archaeology of Near Eastern Images (R-3) (R-4) (W) 3 hours
- RELB 481 - David, Solomon, and the Archaeology of State Formation (R-3) (R-4) (W) 3 hours
- RELB 483 - Sanctuary, Temple, and the Archaeology of Religion (R-3) (R-4) (W) 3 hours

### **TOTAL 23 HOURS**

Choose one (1) concentration

## CLASSICAL STUDIES CONCENTRATION

### Required Courses

- Archaeology Core 23 hours
- RELL 191 - New Testament Greek I 3 hours
- RELL 192 - New Testament Greek II 3 hours
- RELL 221 - Introduction to Biblical Exegesis 2 hours
- RELL 331 - Intermediate Greek 3 hours
- RELB 435 - New Testament Studies I (R-3) (R-4) 3 hours
- RELB 436 - New Testament Studies II (R-3) (R-4) 3 hours

### **TOTAL 40 HOURS**

### Required Cognates

- ARTH 325 - Ancient Through Early Christian Art History (IN-10) (W) 3 hours
- ELIT 445 - Ancient Classics (IN-10) (W) 3 hours

### Recommended

- Intern French OR German 6 hours
- ARTH 465 T:Museum Studies 3 hours

## NEAR EASTERN STUDIES CONCENTRATION

### Required Courses

- Archaeology Core 23 hours
- RELL 181 - Biblical Hebrew I 3 hours

RELL 182 - Biblical Hebrew II 3 hours  
 RELB 221 - Introduction to Biblical Exegesis 2 hours  
 RELB 330 - Intermediate Hebrew 3 hours  
 RELB 245 - Old Testament Studies I (R-3) (R-4) 3 hours  
 RELB 246 - Old Testament Studies II (R-3) (R-4) 3 hours  
**TOTAL 40 HOURS**

**Required Cognate**

ARTH 325 - Ancient Through Early Christian Art History (IN-10) (W) 3 hours

**Recommended**

Intern French or German 6 hours  
 ARTH 465 T:Museum Studies 3 hours

**BIBLICAL STUDIES, B.A.**

Major	31
Cognates	9
Minor	18
General Education	36
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

**Required Courses**

RELB 125 - Life and Teachings of Jesus (R-1) 3 hours  
 RELB 237 - Archaeology and the Old Testament (R-3) (R-4) 3 hours  
 RELB 245 - Old Testament Studies I (R-3) (R-4) 3 hours  
 RELB 246 - Old Testament Studies II (R-3) (R-4) 3 hours  
 RELB 247 - Archaeology and the New Testament (R-3) (R-4) 3 hours  
 RELB 425 - Studies in Daniel (R-3) (R-4) (W) 3 hours  
 RELB 426 - Studies in Revelation (R-3) (R-4) 3 hours  
 RELB 435 - New Testament Studies I (R-3) (R-4) 3 hours  
 RELB 436 - New Testament Studies II (R-3) (R-4) 3 hours  
 RELB 495 - Directed Study 1-3 hours (2 hours required)  
 RELB 221 - Introduction to Biblical Exegesis 2 hours  
**TOTAL 31 HOURS**

**Required Cognates**

RELL 181 - Biblical Hebrew I 3 hours  
 RELB 182 - Biblical Hebrew II 3 hours  
 RELB 330 - Intermediate Hebrew 3 hours  
 OR RELB 191 - New Testament Greek I 3 hours  
 RELB 192 - New Testament Greek II 3 hours  
 RELB 331 - Intermediate Greek 3 hours

**MISSIONS, B.A.**

Major	34
Cognates	9-12
Minor	18
General Education	33
Electives to=124	
<b>TOTAL</b>	<b>124</b>

**Required Courses**

NOND 099 - Student Missions Orientation 0 hours [Non-Credit] \*\*\*  
 RELB 125 - Life and Teachings of Jesus (R-1) 3 hours

RELB 425 - Studies in Daniel (R-3) (R-4) (W) 3 hours  
 RELB 426 - Studies in Revelation (R-3) (R-4) 3 hours  
 RELP 264 - Christian Witnessing (R-4) 3 hours  
 RELP 291 - Practicum (SERV-2) 1-3 hours (1 hour required) \*  
 RELP 340 - World Missions (R-4) 3 hours  
 RELP 405 - Evangelistic Preaching (R-4) 1 hour  
 RELP 467 - Health Evangelism (R-4) (SERV-2) 2-3 hours (3 hours required)  
 RELT 255 - Christian Beliefs (R-2) 3 hours  
 RELT 458 - World Religions (W) (R-4) 3 hours  
 RELB 245 - Old Testament Studies I (R-3) (R-4) 3 hours  
     OR RELB 246 - Old Testament Studies II (R-3) (R-4) 3 hours  
 RELB 435 - New Testament Studies I (R-3) (R-4) 3 hours  
     OR RELB 436 - New Testament Studies II (R-3) (R-4) 3 hours  
 RELP 391 - Practicum (SERV-2) 1-3 hours (2 hours required) \*\*  
     OR NOND 226 - Christian Service (SERV-2) 0-3 hours (2 hours required) \*\*

**TOTAL 34 HOURS**

\*The candidate for this major must complete this Practicum by taking a one-hour missions Practicum in the United States.

\*\*The candidate for this major must complete this requirement by conducting an evangelistic series outside North America under the supervision of the Evangelistic Resource Center.

\*\*\*The candidate for this major must complete one academic year of student mission experience.

**Required Cognates**

COMM 330 - Intercultural Communication (W) 3 hours \*\*\*  
 SOCI 150 - Cultural Anthropology 3 hours  
 Intermediate Foreign Language 3-6 hours

**PASTORAL CARE, B.A.**

Major	35
Cognates	15
Certification-Biblical Language	20
Certification-Pastoral Care	17
General Education	30
Electives to =	124
<b>TOTAL</b>	<b>124</b>

**Required Courses**

RELB 125 - Life and Teachings of Jesus (R-1) 3 hours  
 RELB 245 - Old Testament Studies I (R-3) (R-4) 3 hours  
 RELB 246 - Old Testament Studies II (R-3) (R-4) 3 hours  
 RELB 435 - New Testament Studies I (R-3) (R-4) 3 hours  
 RELB 436 - New Testament Studies II (R-3) (R-4) 3 hours  
 RELP 354 - Introduction to Biblical Counseling and Conflict Resolution 3 hours  
 RELT 138 - Adventist Heritage (R-2) 3 hours  
 RELT 177 - Christian Spirituality (R-1) 3 hours  
 RELT 439 - Prophetic Ministry of Ellen G. White (R-4) 2 hours  
 RELT 484 - Christian Theology I (R-4) 3 hours  
 RELT 485 - Christian Theology II (W) (R-4) 3 hours  
 RELB 425 - Studies in Daniel (R-3) (R-4) (W) 3 hours  
     OR RELB 426 - Studies in Revelation (R-3) (R-4) 3 hours

**TOTAL 35 HOURS**

**Required Cognates**

PSYC 377 - Fundamentals of Counseling 3 hours

SOCI 250 - Death and Dying 3 hours

SOCW 225 - Marriage and the Family 3 hours

HIST 363 - Christian Church I: From the Early Church Through the Middle Ages (IN-6) 3 hours

OR HIST 364 - Christian Church I: From the Early Church Through the Middle Ages (IN-6) (W) 3 hours

HIST 365 - Christian Church II: From the Reformation Through the Twentieth Century (IN-6) (W) 3 hours

OR HIST 366 - Christian Church II: From the Reformation Through the Twentieth Century (IN-6) 3 hours

In order to graduate with a major in Pastoral Care, a student must also complete 20 hours for Certification in Biblical Languages and 17 hours for Certification in Pastoral Care.

### **Certification in Biblical Languages**

RELL 181 - Biblical Hebrew I 3 hours

RELL 182 - Biblical Hebrew II 3 hours

RELL 191 - New Testament Greek I 3 hours

RELL 192 - New Testament Greek II 3 hours

RELL 221 - Introduction to Biblical Exegesis 2 hours

RELL 330 - Intermediate Hebrew 3 hours

RELL 331 - Intermediate Greek 3 hours

**TOTAL 20 HOURS**

### **Certification in Pastoral Care**

RELP 150 - Introduction to Ministry 2 hours

RELP 270 - Interpersonal Ministry 2 hours

RELP 321 - Introduction to Biblical Preaching 2 hours

RELP 322 - Intermediate Biblical Preaching 2 hours

RELP 363 - Personal Evangelism (R-4) (SERV-2) 3 hours

RELP 450 - Church Ministry I 3 hours

RELP 452 - Church Ministry II 3 hours

**TOTAL 17 HOURS**

## **RELIGIOUS EDUCATION, TEACHING LICENSURE 6-12, B.A.**

Major 35

Cognates 19

General Education 30

Professional Education 36

SDA Certification (included in major and cognate) --

Electives = 124

**TOTAL 124**

### **Required Courses**

RELB 125 - Life and Teachings of Jesus (R-1) 3 hours

RELB 245 - Old Testament Studies I (R-3) (R-4) 3 hours

RELB 246 - Old Testament Studies II (R-3) (R-4) 3 hours

RELB 425 - Studies in Daniel (R-3) (R-4) (W) 3 hours

RELB 426 - Studies in Revelation (R-3) (R-4) 3 hours

RELB 435 - New Testament Studies I (R-3) (R-4) 3 hours

RELB 436 - New Testament Studies II (R-3) (R-4) 3 hours

RELT 138 - Adventist Heritage (R-2) 3 hours

RELT 177 - Christian Spirituality (R-1) 3 hours

RELT 439 - Prophetic Ministry of Ellen G. White (R-4) 2 hours

RELT 484 - Christian Theology I (R-4) 3 hours

RELT 485 - Christian Theology II (W) (R-4) 3 hours

**TOTAL 35 HOURS**

**Required Cognates**

HLED 173 - Health for Life 2 hours  
 RELL 221 - Introduction to Biblical Exegesis 2 hours  
 RELP 150 - Introduction to Ministry 2 hours  
 RELP 321 - Introduction to Biblical Preaching 2 hours  
 RELP 322 - Intermediate Biblical Preaching 2 hours  
 RELL 181 - Biblical Hebrew I 3 hours  
 RELL 182 - Biblical Hebrew II 3 hours  
 OR RELL 191 - New Testament Greek I 3 hours  
 RELL 192 - New Testament Greek II 3 hours

**Select one (1) course from the following:**

BIOL 421 - Issues in Science and Society (W) 3 hours  
 PHYS 317 - Issues in Physical Science and Religion 3 hours

**Professional Education Requirements**

EDUC 138 - Introduction to and Foundations of Secondary Education 3 hours  
 EDUC 201 - Teacher Education Candidacy 0 hours  
 EDUC 317 - Teaching with Technology 2 hours  
 EDUC 338 - Foundations of Inclusive Education (SERV-2) 3 hours  
 EDUC 341 - General Methods and Assessment 3 hours  
 EDUC 342 - Curriculum and Content Methods - Secondary 2 hours  
 EDUC 343 - Learning Theories and Classroom Management 3 hours  
 EDUC 419 - Philosophy and Leadership in Christian Education (W) (SERV-2) 3 hours  
 EDUC 434 - Reading and Writing in the Content Areas 2 hours  
 EDUC 464 - Teaching Seminar 2 hours  
 EDUC 472 - Enhanced Student Teaching - Secondary (SERV-2) 10 hours  
 PSYC 128 - Developmental Psychology (IN-8) 3 hours

**TOTAL 36 HOURS****SDA Certification**

HLED 173 - Health for Life 2 hours  
 RELB/RELT - Biblical Studies/Theological Studies 3 hours  
 REL - Upper division religion elective 3 hours  
 RELT 138 - Adventist Heritage (R-2) 3 hours  
 RELT 255 - Christian Beliefs (R-2) 3 hours  
 OR RELT 484 - Christian Theology I (R-4) 3 hours  
 RELT 485 - Christian Theology II (W) (R-4) 3 hours

**TOTAL 14 HOURS****RELIGIOUS STUDIES, B.A.**

Major	33
General Education	33
Minor	18
Elementary Foreign Language*	0-6
Electives to =	124
<b>TOTAL</b>	<b>124</b>

**Required Courses**

RELB 125 - Life and Teachings of Jesus (R-1) 3 hours  
 RELB 435 - New Testament Studies I (R-3) (R-4) 3 hours  
 RELB 436 - New Testament Studies II (R-3) (R-4) 3 hours  
 RELP 264 - Christian Witnessing (R-4) 3 hours  
 RELT 138 - Adventist Heritage (R-2) 3 hours  
 RELT 177 - Christian Spirituality (R-1) 3 hours  
 RELT 255 - Christian Beliefs (R-2) 3 hours



- RELT 373 - Christian Ethics (R-4) 3 hours  
 RELT 458 - World Religions (W) (R-4) 3 hours  
 RELT 467 - Christian Philosophy and Worldviews (R-4) (W) 3 hours  
 RELB 245 - Old Testament Studies I (R-3) (R-4) 3 hours  
 OR RELB 246 - Old Testament Studies II (R-3) (R-4) 3 hours

**TOTAL 33 HOURS**

*\*Elementary foreign language or two years of foreign language taken in high school 0-6 hours*

**THEOLOGY, B.A.**

Major	35
Cognates	6
Certification-Biblical Languages	20
Certification-Ministry	24
General Education	30
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

**Required Courses**

- RELB 125 - Life and Teachings of Jesus (R-1) 3 hours  
 RELB 245 - Old Testament Studies I (R-3) (R-4) 3 hours  
 RELB 246 - Old Testament Studies II (R-3) (R-4) 3 hours  
 RELB 425 - Studies in Daniel (R-3) (R-4) (W) 3 hours  
 RELB 426 - Studies in Revelation (R-3) (R-4) 3 hours  
 RELB 435 - New Testament Studies I (R-3) (R-4) 3 hours  
 RELB 436 - New Testament Studies II (R-3) (R-4) 3 hours  
 RELT 138 - Adventist Heritage (R-2) 3 hours  
 RELT 177 - Christian Spirituality (R-1) 3 hours  
 RELT 439 - Prophetic Ministry of Ellen G. White (R-4) 2 hours  
 RELT 484 - Christian Theology I (R-4) 3 hours  
 RELT 485 - Christian Theology II (W) (R-4) 3 hours

**TOTAL 35 HOURS**

*Note: The School recommends that those majoring in Theology or Pastoral Care not simultaneously take RELL 181-RELL 182 Biblical Hebrew I, II; RELL 191-RELL 192 New Testament Greek I, II; or RELL 330 Intermediate Hebrew and RELL 331 Intermediate Greek.*

**Required Cognates**

- HIST 363 - Christian Church I: From the Early Church Through the Middle Ages (IN-6) 3 hours  
 OR HIST 364 - Christian Church I: From the Early Church Through the Middle Ages (IN-6) (W) 3 hours  
 HIST 365 - Christian Church II: From the Reformation Through the Twentieth Century (IN-6) (W) 3 hours  
 OR HIST 366 - Christian Church II: From the Reformation Through the Twentieth Century (IN-6) 3 hours

In order to graduate with a major in Theology, a student must also complete 20 hours for Certification in Biblical Languages, 24 hours for Certification in Ministry, and cognate requirements as follows:

**Certification in Biblical Languages**

- RELL 181 - Biblical Hebrew I 3 hours  
 RELL 182 - Biblical Hebrew II 3 hours  
 RELL 191 - New Testament Greek I 3 hours  
 RELL 192 - New Testament Greek II 3 hours  
 RELL 221 - Introduction to Biblical Exegesis 2 hours  
 RELL 330 - Intermediate Hebrew 3 hours

RELL 331 - Intermediate Greek 3 hours

**TOTAL 20 HOURS**

### **Certification in Ministry**

RELP 150 - Introduction to Ministry 2 hours

RELP 270 - Interpersonal Ministry 2 hours

RELP 321 - Introduction to Biblical Preaching 2 hours

RELP 322 - Intermediate Biblical Preaching 2 hours

RELP 354 - Introduction to Biblical Counseling and Conflict Resolution 3 hours

RELP 363 - Personal Evangelism (R-4) (SERV-2) 3 hours

RELP 405 - Evangelistic Preaching (R-4) 1 hour

RELP 450 - Church Ministry I 3 hours

RELP 452 - Church Ministry II 3 hours

RELP 466 - Public Evangelism (SERV-2) 3 hours

OR NOND 226 - Christian Service (SERV-2) 0-3 hours (3 hours required)

**TOTAL 24 HOURS**

## **RELIGION, A.A.**

This degree is designed to prepare the student to be effective in lay ministry as a Bible instructor or literature evangelist.

Core 21

Concentrations 9

General Education 15

Electives to = 64

**TOTAL 64**

### **Core Courses**

RELB 125 - Life and Teachings of Jesus (R-1) 3 hours

RELT 138 - Adventist Heritage (R-2) 3 hours

RELT 177 - Christian Spirituality (R-1) 3 hours

RELT 255 - Christian Beliefs (R-2) 3 hours

RELP 264 - Christian Witnessing (R-4) 3 hours

RELB 245 - Old Testament Studies I (R-3) (R-4) 3 hours

OR RELB 246 - Old Testament Studies II (R-3) (R-4) 3 hours

RELB 435 - New Testament Studies I (R-3) (R-4) 3 hours

OR RELB 436 - New Testament Studies II (R-3) (R-4) 3 hours

**TOTAL 21 HOURS**

Choose one (1) concentration

### **Required Courses for Bible Instructor**

RELB 225 - Prophetic Studies (R-3) (R-4) 3 hours

RELP 270 - Interpersonal Ministry 2 hours

Religion Elective (Must be RELP) 3 hours

RELP 291 - Practicum (SERV-2) 1-3 hours (1 hour required)

OR RELP 391 - Practicum (SERV-2) 1-3 hours (1 hour required)

**TOTAL 30 HOURS**

### **Required Courses for Literature Evangelist**

BMKT 326 - Principles of Marketing 3 hours

Religion Elective (Must be RELP) 3 hours

PREL 291 - Practicum 1-3 hours (3 hours required)

OR PREL 391 - Practicum 1-3 hours (3 credits required)

**TOTAL 30 HOURS**

**TOTAL 30 HOURS**

## **BIBLE WORKER CERTIFICATION**

### **Required Courses**

- REL P 264 - Christian Witnessing (R-4) 3 hours
- REL P 266 - Evangelism Seminar 0-1 hour
- REL P Religion Electives 2 hours
- REL T 255 - Christian Beliefs (R-2) 3 hours
- REL B 125 - Life and Teachings of Jesus (R-1) 3 hours
  - OR REL T 177 - Christian Spirituality (R-1) 3 hours
- REL P 291 - Practicum (SERV-2) 1-3 hours (1 hour required)
  - OR REL P 391 - Practicum (SERV-2) 1-3 hours (1 hour required)
- REL B 225 - Prophetic Studies (R-3) (R-4) 3 hours
  - OR REL B 325 - Prophetic Studies (R-3) (R-4) 3 hours
  - OR REL T 225 - Last-Day Events (R-2) 3 hours

### **TOTAL 15-16 HOURS**

### **Other Requirements\***

1. Serve as a part-time Bible worker in a local church for one semester as a student practicum, supervised by both the local pastor and the practicum instructor. An exit report must be given at the end of the practicum.
2. Students must log at least 100 hours of Bible work, of which no fewer than 20 hours should be door-to-door work.
3. Students must conduct at least five doctrinal Bible studies.
4. Students must participate in a public evangelism series, either through the Evangelistic Resource Center (ERC) or in a local church and must show the ability to invite at least five Bible study contacts to the series.

*\*Students completing the full SALT (Soul-winning and Leadership Training) program will automatically complete these requirements.*

## **ARCHAEOLOGY MINOR**

### **Required Courses**

- REL B 237 - Archaeology and the Old Testament (R-3) (R-4) 3 hours
- REL B 247 - Archaeology and the New Testament (R-3) (R-4) 3 hours
- REL B 455 - Archaeological Fieldwork (R-4) 1-6 hours (3 hours required)
- REL B 497 - Archaeological Method and Theory (R-4) 3 hours
- REL B 245 - Old Testament Studies I (R-3) (R-4) 3 hours
- REL B 246 - Old Testament Studies II (R-3) (R-4) 3 hours
  - OR REL B 435 - New Testament Studies I (R-3) (R-4) 3 hours
- REL B 436 - New Testament Studies II (R-3) (R-4) 3 hours

### **TOTAL 18 HOURS**

## **BIBLICAL LANGUAGES MINOR**

### **Required Courses**

- RELL 181 - Biblical Hebrew I 3 hours
- RELL 182 - Biblical Hebrew II 3 hours
- RELL 191 - New Testament Greek I 3 hours
- RELL 192 - New Testament Greek II 3 hours
- RELL 221 - Introduction to Biblical Exegesis 2 hours
- RELL 330 - Intermediate Hebrew 3 hours
- RELL 331 - Intermediate Greek 3 hours

### **TOTAL 20 HOURS**

## EVANGELISM MINOR

### Required Courses

- RELT 255 - Christian Beliefs (R-2) 3 hours
  - RELP 264 - Christian Witnessing (R-4) 3 hours
  - Religion Electives (2 hours must be RELP; 6 hours must be UD) (May include MGNT 452) 8 hours
  - RELP 291 - Practicum (SERV-2) 1-3 hours (1 hour required)
    - OR RELP 391 - Practicum (SERV-2) 1-3 hours (1 hour required)
    - OR NOND 226 - Christian Service (SERV-2) 0-3 hours (1 hour required)
  - RELB 225 - Prophetic Studies (R-3) (R-4) 3 hours
    - OR RELB 325 - Prophetic Studies (R-3) (R-4) 3 hours
    - OR RELT 225 - Last-Day Events (R-2) 3 hours
- TOTAL 18 HOURS**

## MISSIONS MINOR

### Required Courses

- NOND 099 - Student Missions Orientation 0 hours [Non-Credit] \*
  - NOND 226 - Christian Service (SERV-2) 0-3 hours (1 hour required)\*\*
  - RELB 125 - Life and Teachings of Jesus (R-1) 3 hours
  - RELP 240 - World Missions (R-4) 3 hours
  - RELP 363 - Personal Evangelism (R-4) (SERV-2) 3 hours
  - RELT 255 - Christian Beliefs (R-2) 3 hours
  - RELT 458 - World Religions (W) (R-4) 3 hours
  - SOCI 150 - Cultural Anthropology 3 hours
    - OR SOCI 230 - Multicultural Relations 3 hours
- TOTAL 19 HOURS**

*\*This minor requires the completion of one academic year of student missions.*

*\*\*The candidate for this minor must complete this requirement by conducting an evangelistic series outside North America under the supervision of the Evangelistic Resource Center.*

## PRACTICAL THEOLOGY MINOR

Non-theology majors must obtain permission from the School of Religion. Prerequisites apply to RELP 321 .

### Required Courses

- RELP 270 - Interpersonal Ministry 2 hours
  - RELP 321 - Introduction to Biblical Preaching 2 hours
  - RELP 322 - Intermediate Biblical Preaching 2 hours
  - RELP 363 - Personal Evangelism (R-4) (SERV-2) 3 hours
  - RELP 450 - Church Ministry I 3 hours
  - RELP 452 - Church Ministry II 3 hours
  - NOND 226 - Christian Service (SERV-2) 0-3 hours (3 hours required)
    - OR RELP 391 - Practicum (SERV-2) 1-3 hours (3 hours required)
    - OR RELP 466 - Public Evangelism (SERV-2) 3 hours
- TOTAL 18 HOURS**

## RELIGION MINOR

Those seeking state certification and/or denominational endorsement for teaching in other areas could, with careful selection, also acquire a minor in Religion.

All who wish to obtain teacher certification in Religion must have a Religion minor plus EDUC 342 - Curriculum and Content Methods - Secondary (2 hours).

### Required Courses

RELB 125 - Life and Teachings of Jesus (R-1) 3 hours

RELT 138 - Adventist Heritage (R-2) 3 hours

UD RELB or RELT Courses 6 hours

Religion Electives (may incl RELP) 6 hours

**TOTAL 18 HOURS**

No more than one of the following courses may be chosen to apply toward the minor: RELT 317, RELT 421.

## YOUTH MINISTRY MINOR

### Required Courses

PSYC 422 - Issues in Adolescence 3 hours \*

RELP 251 - Introduction to Youth Ministry (R-4) 3 hours

RELP 252 - Intermediate Youth Ministry (R-4) 3 hours \*

RELT 255 - Christian Beliefs (R-2) 3 hours

OUTL 301 - Outdoor Ministries (SERV-2) 3 hours

OR OUTL 136 - Survey of Experiential Leadership 3 hours

RELB 245 - Old Testament Studies I (R-3) (R-4) 3 hours \*

OR RELB 246 - Old Testament Studies II (R-3) (R-4) 3 hours \*

RELB 435 - New Testament Studies I (R-3) (R-4) 3 hours

OR RELB 436 - New Testament Studies II (R-3) (R-4) 3 hours

**TOTAL 21 HOURS**

*\*Academic requirements apply*

# School of Social Work

**Dean:** Laura Racovita

**Faculty:** Evie Nogales Baker (Field Director), Lunelle Bertresse, Stephanie Guster (Field Director), Annette Heck (BSW Program Director), Lorri Merchant (MSW Director), Nina Nelson, Laura Racovita, Corneliu Rusu, Kristie Wilder

**Program Coordinator:** Annette Heck

**Website:** <http://southern.edu/socialwork>

## Philosophy

The philosophy of the School of Social Work and faculty rests on the cornerstones of social justice and service. Social justice encompasses protecting human rights, caring for God's creation, peacemaking, advocating for the poor and vulnerable, and empowering individuals, families, and communities. Active service to others on campus and to the larger community demonstrates the Biblical message of peace and social justice.

## Academic Standing

The School of Social Work is committed to academic excellence in both majors. A grade of a C or better is required in core social work (SOCW) classes. Social work majors must maintain an overall GPA of 2.50 or higher to be admitted and to remain in the program.

## Programs in the School of Social Work

The School of Social Work offers Bachelor's and Masters degrees in Social Work. Both programs are accredited by the Council on Social Work Education. Minors are also available in Behavioral Science and Sociology.

## Social Work

The study of social work is one of the most exciting and important fields of inquiry and practice within the human sciences. A historic and defining feature of the social work profession is its focus on individual well-being within a social context coupled with a keen interest in the well-being of society as a whole. Particular attention is given to the needs and empowerment of people who are vulnerable, oppressed, and living in poverty. Fundamental to social work is its emphasis on environmental forces that create, contribute to, as well as ameliorate problems of human existence.

## Social Work Program Mission Statement

The mission of the social work program is to prepare students within a Christian learning environment for service and excellence in generalist, evidence-based practice.

## Bachelor of Social Work

The Bachelor of Social Work (BSW) prepares students for entry-level social work generalist baccalaureate practice. The BSW is the foundation degree for social work careers in mental health, child welfare, health care, public welfare, schools, family service, developmental disabilities, service to the aged, industry, business and labor, and criminal justice. The degree is designed to also prepare students for informed community participation in social welfare issues. The BSW is the preferred preparation for the terminal graduate practice degree, the Masters of Social Work, (MSW). Job opportunities in the social work field are projected to grow at an above average rate during the near future.

The program makes available a number of experiences, both curricular and extracurricular, to enrich its students' academic experience. Multiple volunteer opportunities deepen understanding and compassion. A number of field experiences enhance commitment and skill building. National and international study tours are available to engender

cross-cultural and global perspectives (see below). The center piece of the applied dimension of the curriculum is the 400 hour FIELD PRACTICUM in which each student participates in “real life” experience while being supervised by a seasoned and credentialed professional social worker.

Extracurricular opportunities include membership in the student-led Social Work Club, National Association of Social Workers and the Phi Alpha Honor Society. Social Work Month is celebrated each March.

## **Social Work Program Policies**

Students admitted to the social work program are considered adequately mature to realize the importance of accepting personal responsibility for their learning and professional behavior.

The social work program BSW Student Handbook outlines the policies of the program. Each student accepted into the program is responsible to become acquainted with and to abide by these policies. The BSW Student Handbook can be accessed through the School of Social Work website at [www.southern.edu/socialwork](http://www.southern.edu/socialwork).

Transportation for volunteer and practicum experiences is not provided by the program. Students will be expected to provide their own transportation and make arrangements to share this expense with fellow students participating in the same experiences.

The social work program reserves the right to deny admission to and to remove students from the social work program who have an unresolved felony on record in any state and who have records of misconduct, legal and otherwise, that would jeopardize their professional performance.

The social work program reserves the right to revise, add, and withdraw policies and/or courses as necessary to ensure a quality social work program.

## **Accreditation**

The social work program is accredited by the Council on Social Work Education.

## **Admission Procedures**

### **Admission Criteria**

Admission to Southern Adventist University does not automatically enroll the student in the social work program. Declaration as a social work major is not equivalent of acceptance to the program. The final decision on acceptance and continuation in the program is made by the program’s BSW leadership team (program director and additional faculty members). During the second semester of the sophomore year the student is to submit a formal application to the social work program. Application forms may be obtained from the School of Social Work website. The deadline for application is in the school calendar and student handbook. Students must adhere to application deadlines.

Minimum requirements for admission to the program are listed below:

1. Acceptance to Southern Adventist University.
2. Completion of the application form which includes submission of three references and a personal statement that encompasses autobiographical information and perspective on various social issues. The personal statement is primarily intended for the faculty to become familiar with the student in order to improve the quality of advisement. In addition, the statement provides a context of the student’s motivation for a career in the social work profession and his or her understanding of the profession. The personal statement is used to gauge student writing abilities and provide early intervention if a student needs to improve his or her writing skills.
3. Submission of a current Program Evaluation (degree audit).
4. Having an overall grade point average of 2.50 or higher.

5. Having completed (with a grade of C or higher) SOCW 211 - Introduction to Social Work, SOCW 212 - Social Welfare as an Institution, and SOCW 213 - Interviewing Skills. Having completed cognate courses BIOL 103 - Principles of Biology, PSYC 122 - General Psychology or PSYC 128 - Developmental Psychology, and SOCI 125 - Introduction to Sociology. Exceptions may be made for persons who do not meet introductory course and cognate requirements if they are strong candidates on the basis of other criteria.
6. Participation in social work sponsored activities (convocations, vespers, community service activities, etc.).
7. Having demonstrated ethical behavior as outlined by the National Association of Social Workers Code of Ethics. Further references may be required regarding character, attitude, and coping ability in case of a question in this area.
8. Students whose native language is not English must achieve at least 550 on the Test of English as a Foreign Language (TOEFL).
9. Completion of a successful interview with the BSW leadership team. The purpose of the interview is to clarify documentation and review any issues raised in the autobiography and essay.

The BSW leadership team reviews the application material, conducts the interview, and makes a decision concerning the application. Applicants are notified of the team's decision by a letter from the program director. An applicant denied admission to the social work program may appeal the denial decision in person and/or in writing to the BSW leadership team. If this process is unsatisfactory to the student, the University appeals process described in this Catalog may be followed.

## Transfer Students

Students intending to major in social work who are attending other colleges or universities, or who are transferring from another major at Southern Adventist University, will be expected to apply for admission to the Social Work Program.

Those applying to the social work major after their sophomore year will be considered on a case by case basis. This may delay admission consideration until the following semester and may result in graduation taking more than four years.

The social work program seeks to maintain a heterogenous student body by enrolling students who represent diverse backgrounds and cultural perspectives.

## Field Practicum

The social work field practicum is designed to provide students with a chance to put into practice the theories and skills learned in the classroom. The practice of social work is a combination of theory and interpersonal skills with the field practicum a key component of the educational process. The focus of the field practicum is the interactional process between student worker and client system(s) and use of specific interventions; students have the opportunity to connect theory and knowledge with actual practice experience. This is essential to developing the entry level helping skills required of undergraduate social work professionals. The nature of the field practicum is practice-oriented, builds on skills and theories learned in cognate social work classes, and involves direct contact and intervention with individuals, families, and groups. Only social work majors may take the field practicum and must have met the required prerequisites. The field practicum experience is eight (8) credit hours taken concurrently with the Integrative Field Seminar.

## Field Practicum Admission

In the winter semester of the junior year, following the completion of most required prerequisite courses, students begin the application process for the social work field practicum, which is a requirement for graduation with a BSW degree. All students entering the field practicum must have a GPA of 2.50 or higher in all classes designated SOCW in order to



be considered academically eligible for the field practicum. Since the primary purpose of social work education is to prepare students for entry-level social work positions, quality field placements are essential. The placements are designed to provide students with a chance to put into practice the theories and skills they have learned in the classroom.

All students applying to the Field Practicum must have completed these courses or have these courses completed by the end of the semester in which they apply:

- SOCW 309 - Social Work Practice with Individuals
- SOCW 322 - Human Behavior and the Social Environment I (W)
- SOCW 323 - Human Behavior and the Social Environment II (W)
- SOCW 321 - Social Work Practice with Families and Groups
- SOCW 391 - Junior Field Practicum

## Department Study Tours

The School of Social Work sponsors a study tour to New York City yearly during Thanksgiving vacation and a study tour to Europe every other summer. The objectives of these tours are to facilitate a better understanding of peoples and cultures and to enable the participants to work with people more effectively. Academic credit is given for these tours and each requires classroom time (see SOCI 294/SOCI 494, SOCW 294/SOCW 494, SOCI 296/SOCI 496, SOCW 296/SOCW 496).

## SOCIAL WORK, B.S.W.

Major	46
Cognates	15
General Education	33-36
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

### Required Courses

- SOCW 211 - Introduction to Social Work 3 hours
  - SOCW 212 - Social Welfare as an Institution 3 hours
  - SOCW 213 - Interviewing Skills 3 hours
  - SOCW 309 - Social Work Practice with Individuals 3 hours
  - SOCW 322 - Human Behavior and the Social Environment I (W) 4 hours
  - SOCW 323 - Human Behavior and the Social Environment II (W) 4 hours
  - SOCW 321 - Social Work Practice with Families and Groups 3 hours
  - SOCW 391 - Junior Field Practicum 1-3 hours (1 hour required)
  - SOCW 413 - Networking and Career Development 1 hour
  - SOCW 421 - Senior Portfolio Seminar 1 hour
  - SOCW 428 - Social Work Practicum I (SERV-2) 3 hours
  - SOCW 429 - Social Work Practicum II (SERV-2) 3 hours
  - SOCW 434 - Social Welfare Issues and Policies 3 hours
  - SOCW 441 - Integrative Seminar I 1 hour
  - SOCW 442 - Integrative Seminar II 1 hour
  - SOCW 455 - Social Work Practice with Organizations and Communities 3 hours
  - SOCW 498 - Research Methods I 3 hours
  - SOCW 499 - Research Methods II 3 hours
- TOTAL 46 HOURS**

### Required Cognates

- BIOL 103 - Principles of Biology (IN-7) 3 hours
- MATH 215 - Statistics (IN-4) 3 hours
- SOCI 125 - Introduction to Sociology (IN-8) 3 hours
- BUAD 128 - Personal Finance (IN-9) 3 hours
- OR ECON 213 - Survey of Economics (IN-9) 3 hours
- PSYC 122 - General Psychology 3 hours
- OR PSYC 128 - Developmental Psychology (IN-8) 3 hours

**Strongly Recommended Electives**

SOCI 465 - Topics in Sociology 1-3 hours  
 SOCW 150 - Cultural Anthropology 3 hours  
 SOCW 230 - Multicultural Relations 3 hours  
 SOCW 250 - Death and Dying 3 hours  
 SOCW 405 - Sexual Abuse Awareness and Prevention 1-3 hours  
 SOCW 450 - Death and Dying 3 hours  
 SOCW 465 - Topics in Social Work 1-3 hours

**SOCIAL WORK, A.S.**

Major	30
Cognates	12
General Education	12
Electives to = 64	—
<b>TOTAL</b>	<b>64</b>

**Required Courses**

SOCI 125 - Introduction to Sociology (IN-8) 3 hours  
 SOCW 150 - Cultural Anthropology 3 hours  
 SOCW 211 - Introduction to Social Work 3 hours  
 SOCW 212 - Social Welfare as an Institution 3 hours  
 SOCW 213 - Interviewing Skills 3 hours  
 SOCW 230 - Multicultural Relations 3 hours  
 SOCW 233 - Human Sexuality 3 hours  
 SOCW 250 - Death and Dying 3 hours  
 SOCW 349 - Aging and Society (W) 3 hours  
 SOCW 405 - Sexual Abuse Awareness and Prevention 1-3 hours (3 hours required)  
**TOTAL 30 HOURS**

**Required Cognates**

BIOL 103 - Principles of Biology (IN-7) 3 hours  
 MATH 215 - Statistics (IN-4) 3 hours  
 ECON 213 - Survey of Economics (IN-9) 3 hours  
     OR ECON 224 - Principles of Macroeconomics 3 hours  
     OR PLSC 224 - Principles of Macroeconomics 3 hours  
 PSYC 122 - General Psychology 3 hours  
     OR PSYC 128 - Developmental Psychology (IN-8) 3 hours

**BEHAVIORAL SCIENCE MINOR****Required Courses**

PSYC 122 - General Psychology 3 hours  
 SOCI 125 - Introduction to Sociology (IN-8) 3 hours  
 SOCW 211 - Introduction to Social Work 3 hours  
 Electives (6 UD) 9 hours \*  
**TOTAL 18 HOURS**

*\*An additional nine hours selected from any Social Work or Sociology areas with a minimum of six hours of upper division Social Work or Sociology classes.*

**SOCIOLOGY MINOR****Required Courses**

SOCI 125 - Introduction to Sociology (IN-8) 3 hours  
 SOCI 150 - Cultural Anthropology 3 hours  
 Sociology Electives (6 UD) 12 hours  
**TOTAL 18 HOURS**

# School of Visual Art and Design

**Dean:** Randall Craven

**Faculty:** Marc Boyson, Hendel Butoy, Randall Craven, Zachary Gray, Giselle Hasel, Mindy Jamieson, Donald Keefe, Joe La Com, Nicholas Livanos, Jesse Rademacher

**Adjunct Faculty:** Aaron Adams, Stacey Alverson, John Cline, Leah Hackett, Jas Milam

**Visiting Artist:** Eszter Sziksz

## **Program Coordinators:**

Animation, Zachary Gray

Film Production,

Graphic Design, Randall Craven

Art, Giselle Hasel

Art-Therapy, Randall Craven

Fine Arts, Marc Boyson

**Production Company Manager:** Mark Comberiate

**Supporting Institution:** Hunter Museum of American Art, Lynn Wood Archaeological Museum

## **Industry Advisers:**

**Animation:** Aaron Adams, Sean Amlaner, Michael Hutchinson, Kevin Jackson, Kevin Lee, Jeff MacNeil, Matt Schiller

**Art History:** Adera Causey

**Art Therapy:** Cam Busch, Carrie Ezell, Jas Milam, Heather Stanley

**Film:** Terry Benedict, Martin Doblemeier, Rik Swartzwelder, Thomas Wentworth

**Fine Art:** Emily Clawson, Eun Ju Kang, Martin Klingbeil, Chang Park, Bob Pennebaker, Alison Stigora, Eszter Sziksz, Charles Zuill

**Graphic Design:** Brian Gray, Dennis Huynh, Luke Miller

## **Mission**

The School of Visual Art and Design at Southern Adventist University provides an environment of artistic and technical excellence that equips students to make a positive impact in their world, acknowledging God as the source of their creativity.

## **Assessment**

Our primary focus is to help develop individual creativity, commitment, and a strong portfolio, regardless of the discipline. Students in the School of Visual Art and Design will produce and maintain a portfolio of their work from their freshman year onward and will be reviewed by the school's faculty at specified intervals for each major. Recommendations are made, on the basis of these reviews, to aid in student advisement and to guide optimal growth. The effectiveness of the school is determined through scheduled reviews by a portfolio review committee and curriculum assessments by visiting professionals. Due to this School's emphasis on preparation for professional work and service, a grade point average of 3.00 (B) is required for all internships. In considering the level of discipline and skill required to produce art at a competitive level, whether in preparation for graduate school for viability in the industry, we strongly recommend that students achieve a grade point average of B before going on to a subsequent course.

## Admission

At the end of the freshmen year all students must pass a formal review in order to be admitted into a degree program offered by the School of Visual Art and Design. Students declaring a major in the SVAD at the beginning of the winter semester will be reviewed at the end of the following academic year. This review is designed to ensure development of the proper fundamental competencies needed to thrive in subsequent coursework. Students participating in the freshman review are expected to display a collection of work completed during their time in the SVAD, and if applicable, any work completed prior to enrollment. Overall performance in essential foundation sequences is evaluated by examining growth in knowledge, artistic thinking, and significant skill development. Students may not enroll in major-specific sophomore level courses until passing this review. Students entering the SVAD by changing majors or transferring from another institution are subject to this same admission process.

## Transfer Credit

Transfer students who wish to enroll in an academic program offered by the School of Visual Art and Design (SVAD) may receive credit for art courses taken elsewhere via a formal review and approval process. To initiate this review transfer students must submit their coursework portfolio to the program coordinator for the major they are interested in pursuing (see list of program coordinators). The submitted portfolio must include all coursework products and associated materials for each art course completed at a previous institution. A review committee will assess all transfer requests on a per course basis by examining syllabi, course descriptions, projects, and completed assignments in order to determine if the course taken elsewhere is commensurate with a comparable SVAD course offering. This assessment is conducted in order to confirm that courses completed at previous institutions have adequately prepared a student to succeed in subsequent SVAD courses. Transfer credit specific to any SVAD major must be approved by this review process before a student may register for classes in the SVAD.

## Studio Courses

Many courses offered by SVAD are considered studio courses. Studio courses are scheduled in large blocks of time because much of the course work is skill-based, involving individual/collaborative creativity and problem solving. Therefore extended class time is provided to give the student an opportunity to work on projects and assignments under the direct guidance of the instructor. For a typical three credit hour course, the student will receive five contact hours per week.

## Animation Policies

### Character Animation and Effects Animation Admission Requirements

In addition to completing School of Visual Art and Design admission requirements, animation majors must meet the following criteria before beginning sophomore-level animation courses:

1. Completion of general education ENGL 101.
2. Completion of drawing sequence ART 104 and ART 105 with a “B” grade or better.
3. Completion of design sequence ART 109 and ART 110 with a “C” grade or better.
4. Completion of animation sequence AART 104, AART 106 and AART 108 with a “B” grade or better.
5. Freshman portfolio review committee recommendation.

### Animation Thesis Policy

For the Animation, BFA degree a required thesis project is to be completed during the AART 427 and AART 429 course sequence.

1. Thesis work should represent the culmination of the previous three years of study, be of professional quality and substance, and share a unique point of view.
2. Students must complete all 200 level animation courses and at least one semester of the AART 326 or AART 328 sequence before starting the thesis project.
3. The thesis project must be proposed to and be approved by a three member faculty review committee that includes the student's thesis adviser. If the thesis proposal is not approved, the student must re-propose after a two-week delay. The thesis proposal review schedule allows time for one re-proposal. Thesis proposals not approved before the end of the spring semester must be resubmitted within the first three weeks of the following semester.
4. At the ten week review, the thesis must show significant development and evidence that it will complete in a timely manner. At this stage, any student who has not made satisfactory progress on their thesis project will be dropped from the Senior Studio course.
5. BFA students must include a critical analysis along with the final presentation of their thesis. Critical analysis should consider the point of view, purpose and motive, process and challenges, historical, critical and theoretical frameworks of their thesis work.
6. Students cannot be certified for the completion of their degree without presenting a completed thesis at a faculty approved public screening. Students who, for whatever reason, do not screen on schedule must repeat the course and screen the following semester.

### **Observational Drawing**

The animation students are expected to develop a lifestyle that includes the habit of drawing from direct observation in order to nurture and maintain their skills. Animation students are expected to keep an active sketchbook practice as a record of these observations. School of Visual Art and Design may provide Open Figure Drawing Sessions as learning opportunities offered outside of formal classes to assist in this goal. Any animation major taking a course that includes an emphasis in drawing may be required to present their sketchbook as part of their class curriculum. The quantity and quality and time commitment will be stated on the course's syllabus.

## **Film Production Policies**

### **Film Production Admission Requirements**

In addition to completing School of Visual Art and Design admission requirements, film production majors must meet the following criteria before beginning sophomore-level film production courses:

1. Completion of general education ENGL 101.
2. Completion of ART 104 with a "B" grade or better.
3. Completion of design sequence ART 109 and ART 110 with a "C" grade or better.
4. Completion of film production sequence ARTF 114 and ARTF 215 with a "C" grade or better.
5. Freshman portfolio review committee recommendation. The freshmen portfolio should document supportive involvement on colleagues' projects, visual sophistication in design, photography and lighting, and a successfully produced first year film project as produced during the Intro to Film/Film Business and Management sequence.

## **Fine Art Policies**

### **Fine Art Admission Requirements**

In addition to completing School of Visual Art and Design admission requirements, fine art majors must meet the following criteria before beginning sophomore-level fine art courses:

1. Completion of general education requirement ENGL 101.

2. Completion of foundation drawing sequence ART 104 and ART 105 with a grade of “B” or better.
3. Completion of foundation design sequence ART 109 and ART 110 with a grade of “B” or better.
4. Freshman portfolio review committee recommendation.

## **Fine Arts Thesis Policy**

For the Fine Arts, BFA degree all thesis work is to be completed as a part of ART 440 .

1. Thesis work should represent the culmination of the previous three years of study, be of professional quality and substance, and share a unique point of view.
2. Students must complete the three part studio practice sequence (ART 175, ART 275, ART 375) before starting their thesis project.
3. The senior thesis project must be proposed to and approved by a three faculty member review committee that includes the student’s thesis adviser. If the thesis proposal is not approved, the student must re-propose in two weeks. The thesis proposal review schedule allows time for one re-proposal. Thesis proposals not approved before the end of the semester must be resubmitted within the first three weeks of the following semester.
4. At the ten week review, the thesis must show significant development and evidence that it will complete in a timely manner. At this stage, any student who has not made satisfactory progress on their thesis project will be dropped from the Thesis Project course.
5. BFA students must include a critical analysis to share at the final presentation of their thesis. Critical analysis should consider the point of view, purpose and motive, process and challenges, and historical, critical and theoretical frameworks of their thesis work.
6. Students cannot be certified for completion of their degree without a solo exhibition in the John C. William Gallery, to be scheduled during the thesis semester. Students who, for whatever reason, do not have a solo exhibition must repeat ART 440, and exhibit the following semester in order to graduate.

## **Graphic Design Policies**

### **Graphic Design Admission Requirements**

In addition to completing School of Visual Art and Design admission requirements, graphic design majors must meet the following criteria before beginning sophomore-level graphic design courses:

1. Completion of general education requirement ENGL 101.
2. Completion of foundation drawing sequence ART 104 and ART 105 with a grade of “C” or better.
3. Completion of foundation design sequence ART 109 and ART 110 with a grade of “C” or better.
4. Completion of graphic design foundation sequence ARTG 115 and ARTG 210 with a grade of “C” or better.
5. Freshman portfolio review committee recommendation.

## **ART, B.A.**

The BA in Art is an academic liberal arts degree that serves as a foundation for careers that involve teaching art history, arts management, museums studies, art therapy, and art education. The degree allows students to combine art with complementary fields of study for a double major. Because the BA in art is non-professional, students are encouraged to pursue specific graduate degrees that strengthen their interests and specialization.

Forty hours are required in art and art history, along with proficiency in a second language. Beyond broadening their knowledge of art making or art history, students are also encouraged to develop research, writing, and rhetorical skills.

Major	36
Minor	18
General Education	42
Elementary Foreign Language*	0-6
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

### Required Courses

- ART 104 - Drawing I 3 hours
- ART 105 - Drawing II 3 hours
- ART 109 - 2D Foundations-Plane and Color 3 hours
- ART 110 - 3D Foundations-Form and Time 3 hours
- ART 460 - Professional Practices 3 hours
- Art Electives (6 hrs UD) 15 hours

### Select six (6) hours from the following:

- ARTH 318 - Art Appreciation (IN-10) (W) 3 hours
- ARTH 335 - Medieval, Renaissance, and Late Baroque Art History (IN-10) (W) 3 hours
- ARTH 325 - Ancient Through Early Christian Art History (IN-10) (W) 3 hours
- ARTH 345 - Contemporary Art (IN-10) (W) 3 hours
- ARTH 346 - Art Theory, Criticism and the Christian Worldview (W) 3 hours

**TOTAL 36 HOURS**

*\*Elementary foreign language or two years of foreign language in high school 0-6 hours*

## ART, MUSEUM STUDIES EMPHASIS, B.A.

Major	42
Minor	18
General Education	33-39
Elementary Foreign Language*	0-6
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

### Required Courses

- ART 104 - Drawing I 3 hours
- ART 109 - 2D Foundations-Plane and Color 3 hours
- ARTG 115 - Introduction to Graphic Design 3 hours
- ARTH 325 - Ancient Through Early Christian Art History (IN-10) (W) 3 hours
- ARTH 335 - Medieval, Renaissance, and Late Baroque Art History (IN-10) (W) 3 hours
- ARTH 340 - Art History Study Tour 3 hours
- ARTH 345 - Contemporary Art (IN-10) (W) 3 hours
- ARTH 346 - Art Theory, Criticism and the Christian Worldview (W) 3 hours
- BMKT 326 - Principles of Marketing 3 hours
- BUAD 126 - Introduction to Business (IN-9) 3 hours
- ARTH 218 - Art Appreciation (IN-10) 3 hours
  - OR ARTH 318 - Art Appreciation (IN-10) (W) 3 hours
- ARTH 255 - Museum Studies 3 hours
  - OR ARTH 455 - Museum Studies 3 hours

### Select six (6) hours from the following:

- ART 105 - Drawing II 3 hours
- ART 110 - 3D Foundations-Form and Time 3 hours
- ARTH 492 - Art History Internship 3 hours

COMM 330 - Intercultural Communication (W) 3 hours  
 ENGL 320 - Rhetoric: The Performance of Argument 3 hours  
 ENGL 420 - Technical and Professional Writing 3 hours  
 JOUR 105 - Writing for the Media 3 hours  
 RELB 255 - Archaeological Fieldwork (R-4) 1-6 hours  
 OR RELB 455 - Archaeological Fieldwork (R-4) 1-6 hours  
**TOTAL 42 HOURS**

*\*Elementary Foreign Language or two years of foreign language in high school 0-6 hours*

## **ART, THERAPY EMPHASIS, B.A.**

This emphasis is intended for those students who plan to enter a graduate program in art therapy. Graduate school for this career choice is mandatory. The program endeavors to focus the pre-art therapy student on learning to appreciate art, to understand creative processes, and to develop artistic skills in studio art. In light of available scholarships, we recommend a GPA of no less than 3.25 and a portfolio of original works with no less than twenty (20) pieces, to be eligible for graduate school enrollment. A basic knowledge of human development and psychological theories for understanding human behavior are gained by the completion of the psychology minor. Undergirded by a Christian perspective of human kind and healing, this is an interdisciplinary emphasis that unites the studio arts with the behavioral sciences.

Major	33
Cognates	12
Minor	18
General Education	39
Elementary foreign language*	0-6
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

### **Required Courses**

ART 104 - Drawing I 3 hours  
 ART 105 - Drawing II 3 hours  
 ART 109 - 2D Foundations-Plane and Color 3 hours  
 ART 238 - Introduction to Art Therapy 3 hours  
 ART 460 - Professional Practices 3 hours  
 Studio Art Electives (6 must be UD) 12 hours

### **Select six (6) hours from the following:**

ARTH 318 - Art Appreciation (IN-10) (W) 3 hours  
 ARTH 335 - Medieval, Renaissance, and Late Baroque Art History (IN-10) (W) 3 hours  
 ARTH 325 - Ancient Through Early Christian Art History (IN-10) (W) 3 hours  
 ARTH 345 - Contemporary Art (IN-10) (W) 3 hours  
 ARTH 346 - Art Theory, Criticism and the Christian Worldview (W) 3 hours  
**TOTAL 33 HOURS**

*\*Elementary foreign language or two years of foreign language in high school 0-6 hours*

### **Required Cognates**

PSYC 122 - General Psychology 3 hours  
 PSYC 128 - Developmental Psychology (IN-8) 3 hours  
 PSYC 315 - Abnormal Psychology 3 hours  
 PSYC 346 - Introduction to Personality Theories 3 hours

### **Recommended General Education**

#### **Area R**

REL2 251 - Introduction to Youth Ministry (R-4) 3 hours



RELT 373 - Christian Ethics (R-4) 3 hours

**Area IN-6**

HIST 356 - Race, Ethnicity, and Immigration in American History (IN-6) (W) 3 hours

**Area IN-7**

BIOL 103 - Principles of Biology (IN-7) 3 hours

**Recommended Electives**

- HLED 356 - Drugs and Society 2 hours
- PSYC 224 - Social Psychology 3 hours
- PSYC 377 - Fundamentals of Counseling 3 hours
- PSYC 422 - Issues in Adolescence 3 hours
- PSYC 460 - Group Processes 3 hours
- PSYC 479 - Family Counseling 3 hours
- SOCI 349 - Aging and Society (W) 3 hours

**FILM PRODUCTION, B.A.**

Major	35
Minor	18
General Education	42-45
Elementary Foreign Language*	0-6
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

**Required Courses**

- ART 104 - Drawing I 3 hours
- ART 109 - 2D Foundations-Plane and Color 3 hours
- ARTF 111 - Intro to Film Production 3 hours
- ARTF 114 - Film Business and Management 3 hours
- ARTF 215 - Lighting 3 hours
- ARTF 226 - Screenwriting I 3 hours
- ARTF 235 - Cinematography 3 hours
- ARTF 320 - Post Production 3 hours
- ARTF 372 - Senior Project I 3 hours
- ARTF 391 - Film Production Practicum 1-3 hours (2 hours required)
- ARTF 353 - Directing the Documentary (SERV-2) 3 hours
  - OR ARTF 422 - Directing the Narrative 3 hours
- ARTH 318 - Art Appreciation (IN-10) (W) 3 hours
  - OR ARTH 345 - Contemporary Art (IN-10) (W) 3 hours
  - OR ARTH 346 - Art Theory, Criticism and the Christian Worldview (W) 3 hours

**TOTAL 35 HOURS**

*\*Elementary foreign language or two years of foreign language in high school 0-6 hours*

Recommended General Education RELT 467

**GRAPHIC DESIGN, B.A.**

Major	42
Minor	18
General Education	42
Elementary Foreign Language*	0-6
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

**Required Courses**

ART 104 - Drawing I 3 hours  
 ART 109 - 2D Foundations-Plane and Color 3 hours  
 ARTG 115 - Introduction to Graphic Design 3 hours  
 ARTG 121 - Typography I 3 hours  
 ARTG 138 - Design Studio I 3 hours  
 ARTG 210 - Vector Graphics 3 hours  
 ARTG 212 - Raster Graphics 3 hours  
 ARTG 238 - Design Studio II 3 hours  
 ARTG 338 - Design Studio III 3 hours  
 ARTG 432 - Senior Design Studio 3 hours  
 ARTH 345 - Contemporary Art (IN-10) (W) 3 hours  
 ARTI 324 - Interactive Media 3 hours  
 PHTO 125 - Introduction to Photography 3 hours

**Select three (3) hours from the following:**

AART 322 - Motion Design (SERV-2) 3 hours  
 ART 300 - Printmaking 3 hours  
 ARTF 320 - Post Production 3 hours  
 ARTG 335 - Three-dimensional Graphic Design 3 hours  
 ARTH 346 - Art Theory, Criticism and the Christian Worldview (W) 3 hours

**TOTAL 42 HOURS**

*\*Elementary Foreign Language or two years of foreign language in high school 0-6 hours*

*Recommended General Education RELT 467*

**ANIMATION, B.F.A.**

The B.F.A. in Animation is designed for students who will aggressively pursue a career in computer animation. The animation program concentrates on drawing, the fundamentals of motion, 3D design, collaborative work, and personal portfolio development. The curriculum focuses on computer-generated (CG) animation to develop professional skills for working in the animation industry and for graduate school placement. A student who develops the required working skills for character animation can pursue careers in visual effects, videogame art, and commercial animation. Three concentrations are offered: Character Animation, Effects Animation, and Motion Design. In the Character Animation concentration, animators will develop advanced skills in animation performance, movement, story development, and acting. Animators in the Effects Animation concentration focus on 3D design, character setup, motion graphics, visual effects animation, compositing, and rendering techniques. Motion Design concentrates on commercial motion graphics.

Core	67
Emphasis	12
General Education	42
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

**Animation Required Core**

AART 104 - Principles of Animation I 3 hours  
 AART 106 - Principles of Animation II 3 hours  
 AART 108 - Introduction to 3D 3 hours  
 AART 212 - Storyboarding and Previsualization 3 hours  
 AART 216 - Character Animation I 3 hours  
 AART 218 - Character Animation II 3 hours  
 AART 236 - Visual Development 3 hours  
 AART 242 - Character Design 3 hours

- AART 246 - Environment Design 3 hours
  - AART 326 - Collaborative Studio 4 hours
  - AART 328 - Collaborative Studio 4 hours
  - AART 322 - Motion Design (SERV-2) 3 hours
  - AART 427 - Senior Studio 4 hours
  - AART 429 - Senior Studio 4 hours
  - ART 104 - Drawing I 3 hours
  - ART 105 - Drawing II 3 hours
  - ART 109 - 2D Foundations-Plane and Color 3 hours
  - ART 110 - 3D Foundations-Form and Time 3 hours
  - ARTF 220 - History of Cinema 3 hours
  - ARTH 345 - Contemporary Art (IN-10) (W) 3 hours
  - ARTH 346 - Art Theory, Criticism and the Christian Worldview (W) 3 hours
- TOTAL 67 HOURS**

*Recommended General Education RELT 467.*

### **CHARACTER ANIMATION EMPHASIS**

#### **Required Courses**

- Animation, B.F.A. 67 hours
- ART 107 - Drawing in Motion 3 hours
- ART 205 - Figure Drawing 3 hours
- ARTF 320 - Post Production 3 hours
- Art Elective (Any AART OR ARTF 215) 3 hours

**TOTAL 79 HOURS**

### **EFFECTS ANIMATION EMPHASIS**

#### **Required Courses**

- Animation, B.F.A. 67 hours
- AART 356 - Effects Animation 3 hours
- AART 366 - Compositing 3 hours
- ARTI 124 - Programming for Artists 3 hours
- ARTF 215 - Lighting 3 hours

**TOTAL 79 HOURS**

### **MOTION DESIGN EMPHASIS**

#### **Required Courses**

- Animation, B.F.A. 67 hours
- AART 356 - Effects Animation 3 hours
- AART 366 - Compositing 3 hours
- ARTG 121 - Typography I 3 hours
- ARTI 230 - Sound Design 3 hours

**TOTAL 79 HOURS**

### **FILM PRODUCTION, B.F.A.**

The major in Film Production is for students who desire to pursue a career in film, video, or commercial production. The program is designed to enable students to work in leadership and support aspects of filmmaking during development, pre-production, production, post-production, and distribution. Film production majors will become familiar with five major aspects of both narrative and documentary filmmaking, including the following: directing, producing, screenwriting, field production, and post production. Students will work on collaborative projects that stimulate greater self-awareness and accountability to a team. Creation of a robust portfolio is a cornerstone of successful completion of the program.

## Internship

The Film Production Internship of 300 clock hours is required of all film production majors before being eligible for senior-level courses. Fulfillment of this requirement can include customary employment in the field or significant non-coursework projects in the visual arts. It is the student's responsibility to seek and make all arrangements toward obtaining acceptance into this internship. The School of Visual Art and Design assists in the process but does not guarantee acceptance into any position or internship. This valuable experience in production will give the student a perspective on the workplace environment as well as valuable job references.

Major	79
General Education	42
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

### Required Courses

AART 212 - Storyboarding and Previsualization 3 hours
AART 322 - Motion Design (SERV-2) 3 hours
ART 104 - Drawing I 3 hours
ART 109 - 2D Foundations-Plane and Color 3 hours
ART 110 - 3D Foundations-Form and Time 3 hours
ARTF 111 - Intro to Film Production 3 hours
ARTF 114 - Film Business and Management 3 hours
ARTF 215 - Lighting 3 hours
ARTF 220 - History of Cinema 3 hours
ARTF 226 - Screenwriting I 3 hours
ARTF 235 - Cinematography 3 hours
ARTF 320 - Post Production 3 hours
ARTF 328 - Screenwriting II (W) 3 hours
ARTF 353 - Directing the Documentary (SERV-2) 3 hours
ARTF 372 - Senior Project I 3 hours
ARTF 391 - Film Production Practicum 1-3 hours (1 hour required)
ARTF 422 - Directing the Narrative 3 hours
ARTF 472 - Senior Project II 3 hours
ARTF 492 - Film Production Internship 3 hours
ARTG 115 - Introduction to Graphic Design 3 hours
ARTI 230 - Sound Design 3 hours
ARTH 318 - Art Appreciation (IN-10) (W) 3 hours
ARTH 346 - Art Theory, Criticism and the Christian Worldview (W) 3 hours
BRDC 202 - Digital Audio Production 3 hours
COMM 326 - Film Evaluation (IN-10) (W) 3 hours
PHTO 125 - Introduction to Photography 3 hours
AART 366 - Compositing 3 hours
OR ARTH 345 - Contemporary Art (IN-10) (W) 3 hours
<b>TOTAL 79 HOURS</b>

*Recommended General Education RELT 467.*

## FINE ARTS, B.F.A.

The B.F.A. (Bachelor of Fine Art) is a professional degree. It is designed to facilitate the development of artists, and their art, for those who desire to enter the field of fine art professionally or to further develop their abilities, and their work, at the graduate level. We desire to discover the creative strengths and interests of each individual and guide students' optimal development. A broad knowledge base comprised of Christianity, philosophy, media, culture, art history, and world history is encouraged for developing understanding and self-awareness as it pertains to the artist's personal content and form.

An art history background, covering four major art periods, is necessary in preparation for entrance into a graduate program. Individuals working toward the B.F.A. are required to have a high level of commitment and integrity toward the creative process and the production of their body of work (portfolio). Students learn, in a studio setting, about the materials and methods of art making. Traditional media is the primary focus, but experimentation with non-traditional and new media is encouraged. All fine art majors are expected to have a Solo Senior Exhibit prior to graduation. This is conditional; they must have demonstrated a commitment to their own growth as artists and consistent/contiguous focus on the production of their artwork resulting in no less than twenty (20) original works.

Major	79
General Education	42
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

### Required Courses

- ART 104 - Drawing I 3 hours
- ART 105 - Drawing II 3 hours
- ART 109 - 2D Foundations-Plane and Color 3 hours
- ART 110 - 3D Foundations-Form and Time 3 hours
- ART 175 - Introduction to Studio Practices 3 hours
- ART 275 - Studio Practices 3 hours
- ART 375 - Advanced Studio Practices 3 hours
- ART 440 - Thesis Project 6 hours
- ARTG 115 - Introduction to Graphic Design 3 hours
- TECH 122 - Woodworking for Artists 1 hour
- ART 107 - Drawing in Motion 3 hours
  - OR ART 205 - Figure Drawing 3 hours
- BMKT 326 - Principles of Marketing 3 hours
  - OR MGNT 371 - Principles of Entrepreneurship 3 hours

### Select twelve (12) hours from the following:

- ARTH 218 - Art Appreciation (IN-10) 3 hours
- ARTH 325 - Ancient Through Early Christian Art History (IN-10) (W) 3 hours
- ARTH 335 - Medieval, Renaissance, and Late Baroque Art History (IN-10) (W) 3 hours
- ARTH 345 - Contemporary Art (IN-10) (W) 3 hours
- ARTH 346 - Art Theory, Criticism and the Christian Worldview (W) 3 hours

### Select thirty (30) hours from the following electives: (Three [3] hours may come from schools/ departments not listed, with permission of adviser)

- Any AART, ART, ARTF, ARTG, ARTH, OR ARTI course
- HMNT 205 - Arts and Ideas (IN-10) 3 hours
- PHTO 125 - Introduction to Photography 3 hours
- PHTO 320 - Digital Photography 3 hours
- TECH 115 - Arc Welding (SERV-2) 2 hours
- TECH 128 - Beginning Blacksmithing 1 hour
- TECH 151 - Introduction to Architectural Drafting and CADD (SERV-2) 3 hours
- TECH 154 - Woodworking (SERV-2) 3 hours
- TECH 278 - History of Architecture 3 hours
- TECH 348 - 3D CAD Drafting 3 hours

**TOTAL 79 HOURS**

**GRAPHIC DESIGN, B.F.A.**

Major	79
General Education	42
Electives to = 124	
<b>TOTAL</b>	<b>124</b>

**Required Courses**

AART 322 - Motion Design (SERV-2) 3 hours  
 ART 104 - Drawing I 3 hours  
 ART 105 - Drawing II 3 hours  
 ART 109 - 2D Foundations-Plane and Color 3 hours  
 ART 110 - 3D Foundations-Form and Time 3 hours  
 ART 331 - Illustration Methods (SERV-2) 3 hours  
 ARTG 115 - Introduction to Graphic Design 3 hours  
 ARTG 121 - Typography I 3 hours  
 ARTG 122 - Typography II 3 hours  
 ARTG 138 - Design Studio I 3 hours  
 ARTG 210 - Vector Graphics 3 hours  
 ARTG 212 - Raster Graphics 3 hours  
 ARTG 238 - Design Studio II 3 hours  
 ARTG 324 - Editorial Design 3 hours  
 ARTG 332 - Advertising Design 3 hours  
 ARTG 338 - Design Studio III 3 hours  
 ARTG 420 - Branding Systems (SERV-2) 3 hours  
 ARTG 432 - Senior Design Studio 3 hours  
 ARTG 492 - Graphic Design Internship 1-2 hours (1 hour required)  
 ARTH 335 - Medieval, Renaissance, and Late Baroque Art History (IN-10) (W) 3 hours  
 ARTH 345 - Contemporary Art (IN-10) (W) 3 hours  
 ARTH 346 - Art Theory, Criticism and the Christian Worldview (W) 3 hours  
 ARTI 324 - Interactive Media 3 hours  
 ARTI 424 - Advanced Interactive Media 3 hours  
 PHTO 125 - Introduction to Photography 3 hours

**Select six (6) hours from the following:**

AART 108 - Introduction to 3D 3 hours  
 AART 366 - Compositing 3 hours  
 ART 221 - Painting I 3 hours  
 ART 300 - Printmaking 3 hours  
 ART 329 - Sculpture: Materials and Techniques 3 hours  
 ARTF 320 - Post Production 3 hours  
 ARTG 335 - Three-dimensional Graphic Design 3 hours  
 ARTI 230 - Sound Design 3 hours

**TOTAL 79 HOURS**

*Recommended General Education RELT 467*

**GRAPHIC DESIGN, A.S.**

Major	33
General Education	18
Electives=64	—
<b>TOTAL</b>	<b>64</b>

**Required Courses**

ART 104 - Drawing I 3 hours  
 ART 109 - 2D Foundations-Plane and Color 3 hours  
 ART 110 - 3D Foundations-Form and Time 3 hours

ARTG 115 - Introduction to Graphic Design 3 hours  
ARTG 121 - Typography I 3 hours  
ARTG 210 - Vector Graphics 3 hours  
ARTG 212 - Raster Graphics 3 hours  
ARTG 238 - Design Studio II 3 hours  
ARTG 338 - Design Studio III 3 hours  
ARTG - Elective 3 hours  
ARTH 345 - Contemporary Art (IN-10) (W) 3 hours  
**TOTAL 33 HOURS**

### **Recommended General Education**

COMM 326 - Film Evaluation (IN-10) (W) 3 hours  
PHTO 125 - Introduction to Photography 3 hours

## **ART EDUCATION MINOR**

*\*For Education majors only*

### **Required Courses**

ART 104 - Drawing I 3 hours  
ART 105 - Drawing II 3 hours  
ART 109 - 2D Foundations-Plane and Color 3 hours  
ART 110 - 3D Foundations-Form and Time 3 hours  
ARTE 338 - Elementary Methods in Art 3 hours  
ARTE 368 - Secondary Methods in Art 3 hours  
Art Electives (3 hours must be UD) 6 hours

### **Select three (3) hours from the following:**

ARTH 318 - Art Appreciation (IN-10) (W) 3 hours  
ARTH 335 - Medieval, Renaissance, and Late Baroque Art History (IN-10) (W) 3 hours  
ARTH 325 - Ancient Through Early Christian Art History (IN-10) (W) 3 hours  
ARTH 345 - Contemporary Art (IN-10) (W) 3 hours  
ARTH 346 - Art Theory, Criticism and the Christian Worldview (W) 3 hours  
**TOTAL 27 HOURS**

*\*Note: The education core should be fulfilled in the major area. These art methods classes do not exempt the student from general methods or specific methods required in the major area.*

## **ART HISTORY MINOR**

### **Required Courses**

ARTH 218 - Art Appreciation (IN-10) 3 hours  
ARTH 335 - Medieval, Renaissance, and Late Baroque Art History (IN-10) (W) 3 hours  
ARTH 325 - Ancient Through Early Christian Art History (IN-10) (W) 3 hours  
ARTH 345 - Contemporary Art (IN-10) (W) 3 hours  
ARTH 492 - Art History Internship 3 hours  
ARTH 265 - Topics in Art History 1-3 hours (3 hours required)  
OR ARTH 465 - Topics in Art History 1-3 hours (3 hours required)  
**TOTAL 18 HOURS**

## **ART MINOR**

### **Required Courses**

ART 104 - Drawing I 3 hours  
ART 105 - Drawing II 3 hours  
ART 109 - 2D Foundations-Plane and Color 3 hours

ART 110 - 3D Foundations-Form and Time 3 hours  
 Electives 6 hours  
 Upper Division Electives 3 hours

**Select three (3) hours from the following:**

ARTH 318 - Art Appreciation (IN-10) (W) 3 hours  
 ARTH 335 - Medieval, Renaissance, and Late Baroque Art History (IN-10) (W) 3 hours  
 ARTH 325 - Ancient Through Early Christian Art History (IN-10) (W) 3 hours  
 ARTH 345 - Contemporary Art (IN-10) (W) 3 hours  
 ARTH 346 - Art Theory, Criticism and the Christian Worldview (W) 3 hours  
**TOTAL 24 HOURS**

## **FILM PRODUCTION MINOR**

**Required Courses**

ARTF 111 - Intro to Film Production 3 hours  
 ARTF 114 - Film Business and Management 3 hours  
 ARTF 226 - Screenwriting I 3 hours  
 ARTF 320 - Post Production 3 hours  
 ARTF 215 - Lighting 3 hours  
 OR ARTF 235 - Cinematography 3 hours  
 ARTF 353 - Directing the Documentary (SERV-2) 3 hours  
 OR ARTF 422 - Directing the Narrative 3 hours  
**TOTAL 18 HOURS**

## **GRAPHIC DESIGN MINOR**

**Required Courses**

ART 104 - Drawing I 3 hours  
 ART 109 - 2D Foundations-Plane and Color 3 hours  
 ARTG 115 - Introduction to Graphic Design 3 hours  
 ARTG 121 - Typography I 3 hours  
 ARTG 210 - Vector Graphics 3 hours  
 ARTG 212 - Raster Graphics 3 hours  
 ARTG 338 - Design Studio III 3 hours  
 ARTH 345 - Contemporary Art (IN-10) (W) 3 hours  
**TOTAL 24 HOURS**



# Interdepartmental Programs

## General Studies

**Advisement and Program Coordinator:** Sharon Rogers

The Associate of Arts and Associate of Science degrees with a major in General Studies are designed for students who have not made a career decision at the time they enter the University. These degrees offer them an opportunity to earn a large part of the general requirements for a baccalaureate degree while leaving some semester hours free for exploration in areas of their choice.

## MEDICAL SCIENCE, B.S.

**Adviser:** Keith Snyder

A Bachelor of Science Degree in Medical Science will be conferred upon students not already in possession of a bachelor's degree who satisfy the following three conditions:

1. Complete 93 semester hours in an accredited undergraduate university program of which at least the last 30 were taken in residence at Southern Adventist University and at least 12 of which were at the upper division level.
2. Meet the General Education requirements equivalent to those outlined for the current Medical Laboratory Science program and the following required courses and cognates listed below. (See Medical Laboratory Science, B.S.)
3. Provide certification from an accredited professional school of dentistry, chiropractic, medicine, pharmacy, or optometry that the first year of the respective professional program has been successfully completed and that the applicant is eligible to continue.

The curricula below is for medical, dental, and pharmacy, but not physical therapy school applicants.

Request for the conferral of this degree is made to the Director of Records and Advisement.

### Required Courses

BIOL 151 - General Biology (IN-7) 4 hours  
BIOL 152 - General Biology (IN-7) 4 hours  
CHEM 151 - General Chemistry (IN-7) 4 hours  
CHEM 152 - General Chemistry 4 hours  
CHEM 311 - Organic Chemistry 4 hours  
CHEM 312 - Organic Chemistry 4 hours  
UD Biology/Chemistry Elect 12 hours

### Required Cognates

MATH 215 - Statistics (IN-4) 3 hours  
PHYS 211 - General Physics I (IN-7) 3 hours  
PHYS 213 - General Physics Laboratory I (IN-7) 1 hour

## GENERAL STUDIES, A.A.

**Major:** The completion of the General Education requirements for the Bachelor of Arts degree with the exception: Six hours instead of 12 will be required for Area R, Religion and two out of four hours of physical activity. Six hours of an elementary foreign language must be included unless two units of the same language were earned in high school. A minimum total of 64 semester hours with a cumulative minimum grade point average of 2.00 is required. Students who plan to eventually complete a bachelor's degree should include some upper division credit and a "W" (writing emphasis) course in the second semester of their second year.

## Typical Sequence of Courses for A.A. General Studies

### Year 1 – 1st Semester

ENGL 101 - Critical Thinking in Academic Reading and Writing I (IN-2) 3 hours  
 NOND 101 - Southern Connections (IN-1) 1 hour  
 PEAC 125 - Fitness for Collegiate Life (P-1a) 1 hour  
 Area IN-6 - Historical Perspectives 3 hours  
 Area IN-7 - Natural Science 3 hours  
 Electives 2 hours  
 RELB 125 - Life and Teachings of Jesus (R-1) 3 hours  
 OR RELT 177 - Christian Spirituality (R-1) 3 hours  
**TOTAL 16**

### 2nd Semester

COMM 135 - Communication and Public Speaking (IN-3) 3 hours  
 CPTE 100 - Computer Concepts (IN-5) 1 hour  
 ENGL 102 - Critical Thinking in Academic Reading and Writing II (IN-2) 3 hours  
 Area IN-8 - PSYC 128 or SOCI 125 3 hours  
 Area IN-10 - Aesthetic Analysis 3 hours  
 Electives 3 hours  
**TOTAL 16**

### Year 2 – 1st Semester

Area R-2 or R-3 - SDA Teachings or Biblical Studies 3 hours  
 Area IN-4 - MATH 215 3 hours  
 Elementary Foreign Language\* 0-3 hours  
 Electives 7-10 hours  
**TOTAL 16**

### 2nd Semester

Area IN-9 Stewardship, Business and Economics 3 hours  
 Area P-1b Physical Activity 1 hour  
 Elementary Foreign Language\* 0-3 hours  
 Electives 9-12 hours  
**TOTAL 16**

*\*Elementary Foreign Language or two years of foreign language in high school 0-6 hours*

**TOTAL 64 HOURS**

*Note(s): See General Degree and General Education requirements. Note especially requirements for make-up of any admissions deficiencies.*

## GENERAL STUDIES, A.S.

**Major:** The completion of the General Education requirements for the Bachelor of Science degree with the following exception: Six hours instead of 12 will be required for Area R, Religion and two out of four hours of physical education. A minimum total of 64 semester hours with a cumulative minimum grade point average of 2.00 is required. Students who plan to eventually complete a bachelor's degree should include some upper division credit and a "W" (writing emphasis) course in the second semester of their second year.

## Typical Sequence of Courses for A.S. General Studies

### Year 1 – 1st Semester

ENGL 101 - Critical Thinking in Academic Reading and Writing I (IN-2) 3 hours  
 NOND 101 - Southern Connections (IN-1) 1 hour

PEAC 125 - Fitness for Collegiate Life (P-1a) 1 hour  
Area IN-6 - Historical Perspectives 3 hours  
Area IN-7 - Natural Science 3 hours  
Electives 2 hours  
RELB 125 - Life and Teachings of Jesus (R-1) 3 hours  
OR RELT 177 - Christian Spirituality (R-1) 3 hours  
**TOTAL 16**

## 2nd Semester

COMM 135 - Communication and Public Speaking (IN-3) 3 hours  
CPTE 100 - Computer Concepts (IN-5) 1 hour  
ENGL 102 - Critical Thinking in Academic Reading and Writing II (IN-2) 3 hours  
Area IN-8 - PSYC 128 or SOCI 125 3 hours  
Area IN-10 - Aesthetic Analysis 3 hours  
Electives 3 hours  
**TOTAL 16**

## Year 2— 1st Semester

Area R-2 or R-3 - SDA Teachings or Biblical Studies 3 hours  
Area IN-4 MATH 215 3 hours  
Electives 10 hours  
**TOTAL 16**

## 2nd Semester

Area IN-9 - Stewardship, Business and Economics 3 hours  
Area P-1b - Physical Activity 1 hour  
Electives 12 hours  
**TOTAL 16**

**TOTAL 64 HOURS**

*Note(s): See General Degree and General Education requirements. Note especially requirements for make-up of any admissions deficiencies.*

## Non-Degree Preprofessional Programs

Southern Adventist University offers preprofessional and pretechnical programs in a wide variety of fields that may prepare students for admission to professional schools or to enter technical careers.

Detailed requirements for non-degree preprofessional curricula are outlined by department or in the section on “Non-degree Preprofessional Programs”.

Associate degrees in Allied Health are available to students who fulfill preprofessional requirements for programs designated in the Allied Health section. Because preprofessional and technical admission requirements may vary from one professional school to another, students should become acquainted with the admission requirements of their chosen school.

Below are listed the preprofessional and pretechnical curricula most frequently chosen. If other programs are desired, faculty advisers are prepared to assist the student in working out a satisfactory sequence of courses needed to meet the admission requirements of the chosen professional school.

## ANESTHESIA (CRNA)

**Adviser:** Pam Gammenthaler

Registered nurses who are experienced and comfortable working in critical care areas may become registered nurse anesthetists. Graduation from an approved baccalaureate program of nursing and a valid nursing license is required. Additional requirements may be determined by consulting the School of Nursing.

## DENTISTRY

**Adviser:** Keith Snyder

Most dental schools now require a bachelor's degree as a prerequisite for entering. Students may major in the field of their interest, but those weak in ACT/SAT scores should seriously consider majoring in a science area. Although a thorough background in the biological and physical sciences is essential to the study of dentistry, a broad educational background in the humanities is desirable. Upper division biology courses are recommended to prepare for the Dental Admissions Test and for the first two years of basic science courses in dental school.

Application to dental school should be made one year previous to the year for which admission is desired. Successful applicants should have a minimum GPA of 3.40 in both science and non-science courses as well as satisfactory performance on the Dental Admissions Test. Early application is strongly encouraged. Information regarding the Dental Admission Testing Program may be obtained from the American Dental Association, 211 East Chicago Avenue, Chicago, IL 69611 or on the web at [www.ada.org](http://www.ada.org).

### **The following courses must be included to meet the minimum requirements for admission to Loma Linda University School of Dentistry**

*\*Waived if equivalent math was taken in high school with minimum grade of B.*

- BIOL 151 - General Biology (IN-7) 4 hours
- BIOL 152 - General Biology (IN-7) 4 hours
- CHEM 151 - General Chemistry (IN-7) 4 hours
- CHEM 152 - General Chemistry 4 hours
- CHEM 311 - Organic Chemistry 4 hours
- CHEM 312 - Organic Chemistry 4 hours
- CHEM 361 - Biochemistry I 4 hours (no lab required)
- ENGL 101 - Critical Thinking in Academic Reading and Writing I (IN-2) 3 hours
- ENGL 102 - Critical Thinking in Academic Reading and Writing II (IN-2) 3 hours
- MATH 120 - Precalculus Algebra 3 hours \*
- MATH 121 - Precalculus Trigonometry 2 hours \*
- PHYS 211 - General Physics I (IN-7) 3 hours
- PHYS 212 - General Physics II 3 hours
- PHYS 213 - General Physics Laboratory I (IN-7) 1 hour
- PHYS 214 - General Physics Laboratory II 1 hour

### **Strongly recommended courses**

- ACCT 221 - Principles of Accounting I 3 hours
- ACCT 222 - Principles of Accounting II 3 hours
- BIOL 416 - Human Anatomy 3 hours
- BIOL 417 - Animal Histology 3 hours
- BIOL 418 - Animal Physiology 3 hours
- BIOL 329 - General Microbiology 3 hours
- BIOL 340 - Immunology 3 hours
- MGNT 334 - Principles of Management 3 hours
- OR MGNT 372 - Small Business Management 3 hours

## LAW

**Adviser:** Mark Hyder

Students interested in the study of law as a profession should become acquainted with the entrance requirements of various law schools. This will make possible the planning of a preprofessional program which will qualify the student for admission to several schools.

It is a general requirement that students complete a bachelor's degree before entering law school. Although no particular major is required, five fields should be especially considered by the student serious about law school. These are: business, history, English, journalism, and behavioral science. Certain courses recommended by all law schools include American history, freshman composition, principles of accounting, American government, principles of economics, English history, business law, and mathematics. Pre-law students should concentrate on developing their analytical, verbal, and writing skills.

Information about preparation for law school may be obtained from the Section of Legal Education and Admissions to the Bar, American Bar Association, 1155 East 60th Street, Chicago, Illinois 60637. For information about the Law School Admissions Test, see the pre-law adviser.

As preparation for law school entry and success, the following legal studies minor is recommended in keeping with the American Bar Association list of Core Skills, Value, Knowledge, and Experience for pre-law students. The ABA suggests these pre-law components:

1. Problem solving
2. Critical reading
3. Writing and editing
4. Oral communication
5. Research
6. Organization and management
7. Public service and promotion of justice
8. Relationship-building and collaboration
9. Background knowledge
10. Exposure to the law

Please refer to the pre-law Legal Studies Minor in the History and Political Studies Department if you are interested in the full preprofessional course of study.

### Recommended courses for Law School

- PLSC 254 - American National and State Government 3 hours
- PLSC 330 - Introduction to United States Constitutional Law 3 hours
- PLSC 491 - Political Science Practicum 0-3 hours
- ENGL 313 - Expository Writing (W) 3 hours
- OR PLSC 450 - Legal Writing and Research 3 hours

### Select three (3) hours from the following:

- HIST 374 - History of England (IN-6) (W) 3 hours
- PLSC 353 - From Colony to Nation (W) 3 hours
- PLSC 357 - Modern America (W) 3 hours
- PLSC 471 - Western Political Thought through the Renaissance (W) 3 hours
- PLSC 472 - Western Political Thought since the Renaissance (W) 3 hours

### Select three (3) hours from the following:

- ACCT 221 - Principles of Accounting I 3 hours
- BUAD 339 - Business Law 3 hours
- BUAD 358 - Ethical, Social, and Legal Environment of Business (W) 3 hours
- COMM 427 - Mass Media Law and Ethics 3 hours

HIST 357 - Modern America (IN-6) (W) 3 hours  
 HIST 374 - History of England (IN-6) (W) 3 hours  
 HMNT 211 - Introduction to Philosophy 3 hours  
 INDV 110 - Human Rights and Service (SERV-2) 3 hours  
 INDV 220 - International Relations and Global Politics 3 hours  
 INDV 320 - Issues in Development and Ethics 2 hours  
 INDV 360 - Political Economy 3 hours  
 MATH 219 - Set Theory and Logic 3 hours  
 MGNT 344 - Human Resource Management 3 hours  
 PLSC 103 - Trial Advocacy Basics 1 hour  
 PLSC 260 - Comparative Politics 3 hours  
 PLSC 310 - Moot Court 1 hour  
 PLSC 320 - Tennessee Intercollegiate State Legislature 1 hour

## MEDICINE

**Advisers:** Joyce Azevedo, Aaron Corbit, Ann Foster, Brent Hamstra, Lucinda Hill, David Nelsen, Rick Norskov, Rhonda Scott, Keith Snyder, Ben Thornton, Tim Trott

Secondary school students who look forward to a career in medicine are advised to include as many mathematics and science courses during their high school years as possible.

Most applicants complete a Bachelor's Degree prior to entrance into medical school. Applicants for admission to medical schools such as the Loma Linda University School of Medicine should maintain a grade point average of at least 3.50 in both science and non-science courses.

Applicants are also encouraged to obtain experience where they are directly involved in the providing of health care. The Biology Department collaborates with Chattanooga's Erlanger Medical Center in a premedical preceptorship program. This program provides the opportunity for upper division pre-medical students to shadow resident physicians in the hospital.

The applicant is required to have taken the Medical College Admission Test (MCAT) prior to consideration by the admissions committee. For entrance into medical school following graduation, the student should plan on taking the MCAT by September of the senior year. However, earlier applications get better results. All of the below required science courses should be completed by this time to insure maximum performance on the MCAT exam. To register for specific dates, see the [aamc.org/mcat](http://aamc.org/mcat) website. Early submission of application is encouraged.

Twice each year representatives from LLU visit the campus to interview prospective students. Premedical students are encouraged to make appointments to speak with them even if not planning to attend LLU.

Most medical schools are members of the American Medical College Application Service (AMCAS). Applications must be submitted through this service. The AMCAS application may be obtained directly from AMCAS, or filled out electronically on the web. Applications are available between May 1 and November 1 for entry into medical school the following year ([aamc.org](http://aamc.org)). Early submission (application) is encouraged. Completed application submission early in June is really the optimal time even if the MCAT has not been taken yet.

**The following courses without an asterisk must be included in the applicant's academic program**

Medical schools generally do not accept CLEP or AP credits for these basic science courses. Classes with (\*) asterisks are recommended. Please check the specific requirements for individual medical schools.

*\*Waived if equivalent math was taken in high school with minimum grade of B.*

BIOL 151 - General Biology (IN-7) 4 hours  
 BIOL 152 - General Biology (IN-7) 4 hours  
 CHEM 151 - General Chemistry (IN-7) 4 hours  
 CHEM 152 - General Chemistry 4 hours  
 CHEM 311 - Organic Chemistry 4 hours  
 CHEM 312 - Organic Chemistry 4 hours  
 CHEM 361 - Biochemistry I 4 hours (no lab required)  
 ENGL 101 - Critical Thinking in Academic Reading and Writing I (IN-2) 3 hours  
 ENGL 102 - Critical Thinking in Academic Reading and Writing II (IN-2) 3 hours  
 MATH 120 - Precalculus Algebra 3 hours \*  
 MATH 121 - Precalculus Trigonometry 2 hours \*  
 PHYS 211 - General Physics I (IN-7) 3 hours  
 PHYS 212 - General Physics II 3 hours  
 PHYS 213 - General Physics Laboratory I (IN-7) 1 hour  
 PHYS 214 - General Physics Laboratory II 1 hour

### **Strongly recommended courses**

*Note: These are listed in order of preference to take before the MCAT. The last three are not covered on the MCAT.*

BIOL 412 - Cell and Molecular Biology 4 hours  
 BIOL 418 - Animal Physiology 3 hours  
 BIOL 313 - Developmental Biology 3 hours  
 BIOL 417 - Animal Histology 3 hours  
 BIOL 416 - Human Anatomy 3 hours  
 PSYC 122 - General Psychology 3 hours

## **OPTOMETRY**

**Adviser:** Joyce Azevedo

The admission requirements to colleges of optometry vary, so the student should follow the catalog from the school of his/her choice. (See the Association of Schools and Colleges of Optometry's website for a list of accredited optometry programs-[opted.org](http://opted.org)). However, all place emphasis on biology, chemistry, mathematics and physics. Additional courses in the areas of fine arts, language, literature, and the social sciences are usually necessary.

A minimum of two years of preoptometric study is required. However, additional study increases the prospects of acceptance into professional training.

Direct individual inquiries are welcomed by the American Optometric Association ([aoa.org](http://aoa.org)).

Following is a list of preoptometry courses required by most schools

BIOL 151 - General Biology (IN-7) 4 hours  
 BIOL 152 - General Biology (IN-7) 4 hours  
 BIOL 329 - General Microbiology 3 hours  
 BIOL 416 - Human Anatomy 3 hours  
 BIOL 418 - Animal Physiology 3 hours  
 CHEM 151 - General Chemistry (IN-7) 4 hours  
 CHEM 152 - General Chemistry 4 hours  
 CHEM 311 - Organic Chemistry 4 hours  
 CHEM 361 - Biochemistry I 4 hours  
 ENGL 101 - Critical Thinking in Academic Reading and Writing I (IN-2) 3 hours  
 ENGL 102 - Critical Thinking in Academic Reading and Writing II (IN-2) 3 hours  
 MATH 191 - Calculus I 4 hours  
 MATH 215 - Statistics (IN-4) 3 hours  
 PHYS 211 - General Physics I (IN-7) 3 hours  
 PHYS 212 - General Physics II 3 hours

PHYS 213 - General Physics Laboratory I (IN-7) 1 hour

PHYS 214 - General Physics Laboratory II 1 hour

PSYC 122 - General Psychology 3 hours

## OSTEOPATHIC MEDICINE

**Advisers:** Joyce Azevedo, Ann Foster, Lucinda Hill, Rick Norskov, Keith Snyder, Ben Thornton

An alternative to allopathic medical schools, which grant the M.D. degree, are the osteopathic medical schools whose graduates receive the D.O. degree.

Many Seventh-day Adventists have attended the University of Health Sciences, College of Osteopathic Medicine in Kansas City, Missouri, one of nineteen osteopathic medical colleges in this country.

Requirements for admission are similar to those for allopathic medical schools such as Loma Linda University School of Medicine. We also have had several students at DeBusk College of Osteopathic Medicine in Tennessee. Students apply to schools of osteopathic medicine through the American Association of Colleges of Osteopathic Medicine Application Service (AACOMAS) ([aacomas.aacom.org/](http://aacomas.aacom.org/)).

For a reasonable chance of acceptance, a minimum grade point average of 3.30 should be maintained in both science and non-science subjects.

## PHARMACY

**Adviser:** Bruce Schilling

Pharmacy is an excellent, lucrative career with an expected shortage of qualified pharmacists as the general population ages. Although this is great for a future career in pharmacy, it has led to much more competition for the available positions in pharmacy schools. The average GPA for accepted students is trending upward toward 3.50. In addition, for those schools that require it, a satisfactory score must be achieved on the Pharmacy College Admission Test (PCAT).

Those students interested in a career in the field of pharmacy may take their prepharmacy classes at Southern Adventist University before applying to a school of pharmacy. The doctor of pharmacy degree (PharmD) is a four year program. Prepharmacy requirements take from two to four years to complete depending on the pharmacy school and the student, and many pharmacy schools are now giving admissions preference to students with a bachelor's degree.

Admission requirements to colleges of pharmacy vary from school to school so the student should consult the catalog or web page of the school of his/her choice for specific course requirements. The American Association of Colleges of Pharmacy maintains links to all schools of pharmacy at its web page [www.aacp.org](http://www.aacp.org). Since a lot of pharmacy involves the study of the action of drugs in the body, students need to be especially familiar with organic chemistry, biochemistry, and physiology and so all schools place a high emphasis on chemistry and biology.

### Loma Linda University School of Pharmacy

Loma Linda University is the only Seventh-day Adventist school with a program in Pharmacy. Loma Linda indicates that preference will be given to students who have completed a baccalaureate degree and specifically recommend a degree in chemistry, biology, physics, or a related scientific field. Please consult [pharmacy.llu.edu](http://pharmacy.llu.edu) to check for any possible changes to the following requirements.

Minimum admission requirements for the Loma Linda University School of Pharmacy include the following courses:



BIOL 151 - General Biology (IN-7) 4 hours  
 BIOL 152 - General Biology (IN-7) 4 hours  
 CHEM 151 - General Chemistry (IN-7) 4 hours  
 CHEM 152 - General Chemistry 4 hours  
 CHEM 311 - Organic Chemistry 4 hours  
 CHEM 312 - Organic Chemistry 4 hours  
 PHYS 211 - General Physics I (IN-7) 3 hours  
 PHYS 213 - General Physics Laboratory I (IN-7) 1 hour  
 BIOL 412 - Cell and Molecular Biology 4 hours  
 OR CHEM 361 - Biochemistry I 4 hours

Additional recommended science classes include BIOL 102, BIOL 103, BIOL 311, BIOL 329, BIOL 340, BIOL 417, and BIOL 418. PHYS 221 and PHYS 223 may be substituted for PHYS 211 and PHYS 213. Other general education course requirements are covered if the student graduates with a degree from Southern Adventist University. For those applying without a 4-year degree, consult Loma Linda for the general education courses that must be completed.

## PHYSICIAN ASSISTANT

**Adviser:** Randy Bishop

Physician assistants are trained to perform many of the essential tasks involved in patient care. They take medical histories, perform physical evaluations, order laboratory tests, make preliminary diagnoses, prescribe appropriate treatments, and recommend medications and drug therapies. They also treat minor problems such as lacerations, abrasions, and burns. Physician assistants work in a variety of practice settings and specialty areas. The most important practice setting is in a physician's office. They also work at hospitals and clinics. Specialties using PA's are family practice, internal medicine, general and thoracic surgery, emergency medicine, pediatrics, and various medical sub-specialties.

The entrance requirements to physician assistant clinical programs vary considerably from school to school. Prerequisite course requirements vary, but generally require a science undergraduate baccalaureate degree. Prior patient care requirements also range from being recommended through two years of direct clinical work experience.

SDA programs offering the Physician Assistant degree are:

AdventHealth University-ahu.edu  
 Kettering College of Medical Arts-kcma.edu  
 Loma Linda University-llu.edu  
 Union College-ucollege.edu/pa

Students may obtain information on these programs by contacting the schools directly, or from the Southern Adventist University pre-PA adviser. A complete list of PA programs can be found on the American Academy of Physician Assistants website at [aapa.org](http://aapa.org). Southern Adventist University can structure a course of study to meet the requirements of any clinical program to which a student wishes to apply. Students are advised to begin early in their academic studies to gather information on prospective PA schools and the prerequisite course work required.

## PODIATRIC MEDICINE

**Adviser:** Keith Snyder

An alternative to allopathic (M.D.) and osteopathic (D.O.) medical schools are the podiatric medical schools whose graduates receive the D.P.M. degree. Doctors of podiatric medicine are physicians trained in the medical and surgical treatment of the human foot and ankle.

To gain acceptance to a school of Podiatric Medicine, a bachelor's degree is highly desirable. Preprofessional course work, with a minimum of 90 semester hours, is required of all

students. Applicants are required to take the Medical College Admission Test (MCAT). In addition, most D.P.M. schools require the same prerequisite science classes as the M.D. and D.O. schools.

There are seven colleges of podiatric medicine, six of which participate in the American Association of Colleges of Podiatric Medicine Application Service (AACPMAS). The six schools in the AACPMAS are located in California, Florida, Illinois, Iowa, Ohio, and Pennsylvania. An application packet can be obtained thru the website <http://www.e-aacpmas.org>.

## VETERINARY MEDICINE

**Adviser:** Joyce Azevedo

Competition for admission to colleges of veterinary medicine is keen. Consequently, most successful applicants have completed a degree rather than the minimum requirements listed below. It should also be noted that it is often more difficult to be accepted in a veterinary institution other than the school in the state where the applicant resides.

The applicant must make a satisfactory score on the Veterinary College Admission Test (VCAT) or Graduate Record Exam (GRE) in addition to meeting grade point average (often above 3.50) and personal qualifications for admission. Professional training involves four years of veterinary school beyond college.

Admission requirements will vary among veterinary schools; therefore, it is recommended that the pre-veterinary student work closely with his/her adviser in assuring that the specific requirements for the schools of his/her choice are met.

Information on veterinary schools and applications, through the Association of American Veterinary Medical Colleges, are available online [aavmc.org](http://aavmc.org).

### **Minimum admission requirements to the University of Tennessee College of Veterinary Medicine in Knoxville are:**

- BIOL 151 - General Biology (IN-7) 4 hours
- BIOL 152 - General Biology (IN-7) 4 hours
- BIOL 311 - Genetics 4 hours
- BIOL 412 - Cell and Molecular Biology 4 hours
- CHEM 151 - General Chemistry (IN-7) 4 hours
- CHEM 152 - General Chemistry 4 hours
- CHEM 311 - Organic Chemistry 4 hours
- CHEM 312 - Organic Chemistry 4 hours
- CHEM 361 - Biochemistry I 4 hours
- ENGL 101 - Critical Thinking in Academic Reading and Writing I (IN-2) 3 hours
- ENGL 102 - Critical Thinking in Academic Reading and Writing II (IN-2) 3 hours
- PHYS 211 - General Physics I (IN-7) 3 hours
- PHYS 212 - General Physics II 3 hours
- PHYS 213 - General Physics Laboratory I (IN-7) 1 hour
- PHYS 214 - General Physics Laboratory II 1 hour

### **Additional requirements include**

Humanities and Social Sciences 18 hours

### **Strongly Recommended**

Additional courses in the biological and physical sciences, especially comparative anatomy, mammalian physiology and microbiology with laboratory.

# Course Descriptions

## Animation

### **AART 104 - Principles of Animation I—3 hours**

This course is an introduction to the mechanics of animation and the elementary components of motion. Hand-drawn techniques such as inbetweening and simple movements will be used to give the student experience in this medium and to equip them with skills to be applied in computer animation. Lab Fee: 13 (\$325). FALL

### **AART 106 - Principles of Animation II—3 hours**

This course explores design, movement, and mechanics of full body animation while incorporating personality and attitude. Lab Fee: 13 (\$325). Prerequisite(s): AART 104. WINTER

### **AART 108 - Introduction to 3D—3 hours**

This course will cover the basics of creating and manipulating assets in the 3D computer environment. The course is an introduction to basic modeling, rigging, animating, texturing, lighting, and rendering. It is designed to prepare students for further exposure to 3D work in Animation and Interactive Media. Lab Fee: 13 (\$325). FALL

### **AART 212 - Storyboarding and Previsualization—3 hours**

This course is constructed to give animation and film students the ability to effectively communicate ideas in a preproduction setting. Presentation quality and clarity are emphasized. The course will also cover traditional and experimental plot and structure issues. Lab Fee: 13 (\$325). Prerequisite(s): ART 104, Admission to Animation or Film Program. FALL

### **AART 216 - Character Animation I—3 hours**

This course focuses on the fundamentals of animation through the exploration of body attitudes, classic actions, and facial expressions. The course will give students a better sense of what is needed to communicate thought and emotion. Lab Fee: 13 (\$325). Prerequisite(s): AART 106, AART 108; Admission to Animation Program. FALL

### **AART 218 - Character Animation II—3 hours**

This course furthers the animation student's skills with the addition of dialog based performances. The course seeks to combine the principles of facial expression and dialogue timing to create believable characters. Lab Fee: 13 (\$325). Prerequisite(s): AART 216; Admission to Animation Program. WINTER

### **AART 236 - Visual Development—3 hours**

This course develops the creative process through the designing of characters, environments, and props for animation or film production. Students will learn to research and observe as well as explore various approaches in visual concept development using traditional and digital tools. Lab Fee: 13 (\$325). Prerequisite(s): ART 105 or permission of instructor. FALL

### **AART 242 - Character Design—3 hours**

This course teaches students the process of designing characters through the development of personas, character packs, modeling, texturing, and rigging. Character development includes extensive research, drawing matrices of character elements, settings, and accessories. Special emphasis will be placed on modeling for effective body and facial rigging for animation. Lab Fee: 13 (\$325). Prerequisite(s): AART 106, AART 108; Admission to Animation Program. FALL

### **AART 244 - Solid Modeling—3 hours**

This course deals with product modeling which describes most mechanical or generally non-deformable objects. This course will cover all surface types, their uses, and a complete understanding of modeling and the relationship between geometry, shading, and lighting technologies. Lab Fee: 13 (\$325). Prerequisite(s): AART 108.

### **AART 246 - Environment Design—3 hours**

This course focuses on the tools required to create production ready environments. Students will explore the process of environmental design and develop techniques to build original environments in CG. Topics include lighting and rendering methods, texture creation, matte painting, and shader creation. Lab Fee: 13 (\$325). Prerequisite(s): AART 108, AART 236. WINTER

### **AART 265 - Topics in Animation—1-3 hours**

This course is designed to be an access point to a broad variety of subjects in animation. May be repeated with permission. Lab Fee: 13 (\$325). FALL | WINTER

### **AART 292 - Internship in Animation—1-3 hours**

Professional work experience in an animation production environment for a minimum of 100 clock hours per credit hour with supervisor evaluation. This experience can come from customary employment in the field or significant non-coursework projects in the visual arts. Must be approved by a faculty adviser in the program. Students will maintain a log sheet and samples of work. May be repeated. Prerequisite(s): Acceptance by a professional studio. FALL | WINTER | SUMMER

### **AART 295 - Directed Study—1-3 hours**

This course involves individual or group work adjusted to meet particular needs in Animation. Content is chosen by the faculty adviser and the student. May be repeated. Lab Fee: 13 (\$325).

**AART 322 - Motion Design (SERV-2)—3 hours**

In this course, graphic design, interactive media, animation, and film students will explore elements of moving compositions by incorporating the fundamentals of design and animation principles and techniques. The course covers how motion design is used by broadcast, film, interactive, and fine art professionals. Lab Fee: 13 (\$325). Prerequisite(s): AART 108 or ARTG 115. FALL | WINTER

**AART 326 - Collaborative Studio—4 hours**

In this course students work together as a team to create a finished animation production. Students are encouraged to work in roles that will help them generate portfolio material in line with their career goals. Issues in effective project management, personal discipline, and working together are explored. Lab Fee: 14 (\$350). Prerequisite(s): AART 216; Admission to Animation Program. FALL

**AART 328 - Collaborative Studio—4 hours**

In this course students work together as a team to create a finished animation production. Students are encouraged to work in roles that will help them generate portfolio material in line with their career goals. Issues in effective project management, personal discipline, and working together are explored. Lab Fee: 14 (\$350). Prerequisite(s): AART 216; Admission to Animation Program. WINTER

**AART 356 - Effects Animation—3 hours**

Procedural animation for effects focuses on creating and rendering dynamic non-character movements such as cloth, hair, particles systems, and fluid simulations. This course also covers concepts in node-based shader manipulation. Concepts in tracking, retouching, color correction, stabilization, keying, layering, and effects generation are addressed. Lab Fee: 13 (\$325). Prerequisite(s): AART 108, CPTR 124 or ARTI 124; Admission to Animation Program. Winter, even years

**AART 366 - Compositing—3 hours**

Node-based compositing for live action and animated films enhances source material via time based image manipulation. Concepts in tracking, retouching, color correction, stabilization, keying, layering, and effects generation are addressed. Lab Fee: 13 (\$325). WINTER, odd years

**AART 427 - Senior Studio—4 hours**

In this course final year students will have the opportunity to produce a significant project needed to complete their portfolio. Class time features structured labs, regular presentations, professor/student meetings, and group discussions concerning each students work. Lab Fee: 14 (\$350). Prerequisite(s): AART 326, AART 328. FALL

**AART 429 - Senior Studio—4 hours**

In this course final year students will have the opportunity to produce a significant project needed to complete their portfolio. Class time features structured labs, regular presentations, professor/student meetings, and group discussions concerning each students work. Lab Fee: 14 (\$350). Prerequisite(s): AART 326, AART 328. WINTER

**AART 465 - Topics in Advanced Motion Design—1-3 hours**

Students who have already studied motion design basics will investigate and apply specialized techniques and styles. Students will work to develop a theme, research and collect pitch, presentation, and portfolio materials, and integrate visual elements from a variety of sources (practical, computer generated imagery, and 2D design elements). Lab Fee: 13 (\$325). FALL | WINTER

**AART 492 - Internship in Animation—1-3 hours**

See AART 292 for course description. Prerequisite(s): Acceptance by a professional studio. FALL | WINTER | SUMMER

**AART 495 - Directed Study—1-3 hours**

See AART 295 for course description. Lab Fee: 13 (\$325).

**Accounting****ACCT 221 - Principles of Accounting I—3 hours**

Principles of Accounting I focuses on how accounting events affect financial statements. Topics include accruals/deferrals, receivables, inventory, long-term operational assets, long-term liabilities, stockholders' equity, recording procedures, and financial statement preparation. FALL | WINTER

**ACCT 222 - Principles of Accounting II—3 hours**

This course continues the study of financial accounting and introduces managerial accounting. Topics may include accounting for partnerships and corporations, the cash flow statement, financial statement analysis, and various managerial accounting topics such as job order and process cost systems, cost behavior, cost-volume-profit analysis, and budgeting. This course should be taken in the freshman year. This course should be taken in the freshman year. Prerequisite(s): A final grade of C or higher in ACCT 221. FALL | WINTER

**ACCT 261 - Tax Practice (VITA) [SERV-2]—3 hours**

A practical introduction to individual income tax preparation, offered in conjunction with the IRS's Volunteer Income Tax Assistance (VITA) program. Once training is completed, students must pass the IRS's written examination to become VITA certified and complete the required staffing hours during tax filing season. Emphasis is on the application of current tax law, communication skills, and community service. This course is cross-listed with ACCT 461. A student may receive credit for this course from only one program. WINTER

**ACCT 265 - Topics in Accounting—1-3 hours**

Selected topics designed to meet the needs or interests of students in specialty areas of business and management. This course may be repeated for credit with permission. Prerequisite(s): Permission of the instructor. FALL | WINTER

**ACCT 295 - Directed Study—1-3 hours**

A directed study involves individualized research into a selected topic chosen by the faculty adviser and the student. Prerequisite(s): Approval of the Dean of the School

**ACCT 311 - Intermediate Accounting I—4 hours**

An in-depth course in financial accounting. Topics include the accounting conceptual framework, accounting for cash, receivables, inventories, plant assets, intangibles, and current and long-term liabilities and accounting for investments. Prerequisite(s): ACCT 221. FALL

**ACCT 312 - Intermediate Accounting II—4 hours**

This course is a continuation of ACCT 311. Topics include accounting for contributed capital, retained earnings investments, income taxes, pensions, and OPEB's, leases, reporting earnings per share, the statement of cash flows, financial statement disclosure requirements, and financial statement analysis. Prerequisite(s): ACCT 311 with a grade of C or higher. WINTER

**ACCT 316 - Governmental and Not-for-Profit Accounting—3 hours**

Accounting theory and practice are applied to governmental units and not-for-profit entities, including universities and hospitals. The classification and use of funds, fiscal procedures, budgetary controls, and financial reporting are covered. Prerequisite(s): ACCT 222. FALL, even years

**ACCT 321 - Managerial Accounting—3 hours**

This course is a study of selected quantitative management decision-making tools. Topics may include cost behavior, cost-volume-profit analysis, budgeting, pricing decisions, relevant costs, out-sourcing decisions, the effect of constraints, capital budgeting, and performance measurement. Prerequisite(s): ACCT 222; BUAD 217. FALL

**ACCT 322 - Cost Accounting—3 hours**

An in-depth study of the more technical aspects of cost accounting systems, including job cost and process cost allocations, joint product and by-product accounting in addition to actual, standard, and direct cost methods. Quantitative techniques are covered and may include decision-making under uncertainty, inventory control, cost behavior and regression analysis, and variance investigation. Lab Fee: 4 (\$30). Prerequisite(s): ACCT 222. FALL

**ACCT 432 - Accounting Ethics and Fraud Examination—3 hours**

Study of professional ethics for accounting from a business perspective in context of financial statement frauds. Topics include nature of accounting, ethical behavior in accounting, ethical theory, fraud prevention, detection, investigation, management and resolution. Prerequisite(s): ACCT 222. FALL, odd years

**ACCT 443 - Accounting Systems—3 hours**

A study of accounting information systems, internal control, reporting systems, computer-based systems and systems development will be covered. Prerequisite(s): ACCT 311 and BUAD 305. WINTER

**ACCT 450 - Advanced Accounting—3 hours**

This course is an in-depth study of selected accounting topics such as consolidated financial statements, segment reporting, business firms in financial distress, foreign currency translations exchange, and partnerships. This course is cross-listed with ACCT 550 in the MBA program. A student may receive credit for this course for only one program. Prerequisite(s): ACCT 312. WINTER

**ACCT 452 - Auditing—3 hours**

Basic auditing theory and practice with emphasis on the application of current auditing standards and the preparation of working papers and audit reports are addressed. Topics include generally accepted auditing standards, ethics, audit planning procedures, types of audit evidence, internal controls, and sampling methods. Provisions of the Sarbanes-Oxley Act are also discussed. This course is cross-listed with ACCT 552 in the MBA program. A student may receive credit for this course from only one program. Prerequisite(s): ACCT 312. WINTER

**ACCT 456 - Federal Taxation—3 hours**

This course is a study of the Federal tax system. The primary emphasis is the Federal income tax as it applies to individuals. A study of other selected Federal taxes and the taxation of other entities is included. This course is cross-listed with ACCT 556 in the MBA program. A student may receive credit for this course from only one program. Prerequisite(s): ACCT 222. FALL

**ACCT 457 - Advanced Federal Taxation—3 hours**

This course is a continued study of the Federal tax system. The primary emphasis is the Federal income tax as it applies to for-profit and not-for-profit entities other than individuals. A study of other selected taxes is included. This course is cross-listed with ACCT 557 in the MBA program. A student may receive credit for this course from only one program. Prerequisite(s): ACCT 456. WINTER

**ACCT 461 - Tax Practice (VITA) [SERV-2]—3 hours**

See ACCT 261 for course description. This course is cross-listed with ACCT 261. A student may receive credit for this course from only one program. WINTER

**ACCT 465 - Topics in Accounting—1-3 hours**

See ACCT 265 for course description. Prerequisite(s): Permission of the instructor. FALL | WINTER

**ACCT 491 - Accounting Practicum—0-3 hours hours**

A practicum consists of supervised volunteer/work experience in related fields of accounting on a part-time basis. The work may be done at various job sites. Students choosing 0 hours will receive a grade of pass/fail. A minimum of 50 clock hours of work experience is required for each semester hour of credit. (Note: A maximum of 3 credit hours of practicum and/or internship may apply as an elective in the major.) Prerequisite(s): Junior or senior status and permission of a supervising professor. (Registration for this course and an agreement with a supervising professor must be completed prior to beginning the work experience.) FALL | WINTER | SUMMER

**ACCT 492 - Accounting Internship—0-3 hours hours**

An internship consists of on-the-job experience working under supervision in an accounting office on a full-time basis. All hours must be completed on one job site. Students choosing 0 hours will receive a grade of pass/fail. A minimum of 100 clock hours of work experience is required for each semester hour of credit. (Note: A maximum of 3 credit hours of practicum and/or internship may apply as an elective in the major.) Prerequisite(s): Junior or senior status and permission of a supervising professor. (Registration for this course and an agreement with a supervising professor must be completed prior to beginning the work experience.) FALL | WINTER | SUMMER

**ACCT 494 - Accounting Capstone—1 hour**

This capstone course combines the concepts of financial and cost accounting as well as tax planning and accounting systems to provide seniors the opportunity to showcase their skills in cases and real company data. Students will make presentations of their reports to business executives. This course should be taken in the senior year. Prerequisite(s): ACCT 312, ACCT 322, ACCT 456; BUAD 305. FALL | WINTER

**ACCT 495 - Directed Study—1-3 hours**

See ACCT 295 for course description. Prerequisite(s): Approval of the Dean of the School

**ACCT 497 - Accounting Research—3 hours**

This course permits students to apply principles of research and statistical analysis of data leading to the completion of a research project. Prerequisite(s): ACCT 450; MATH 215. FALL | WINTER

**Allied Health****ALHT 111 - Introduction to the Health Professions—1 hour**

A survey course that heightens awareness of the options, expectations, and realities of the health professions. Students gain an overview of professional health careers through lectures, guest speakers, observation, and research. FALL

**ALHT 225 - Introduction to Medical Laboratory Science—2 hours**

This course is designed to acquaint prospective clinical laboratory scientists with the profession. The history and standards of medical technology and employment opportunities will be surveyed. Elementary clinical laboratory procedures will be taught and laboratory tours will be conducted. Winter, odd years

**ALHT 265 - Topics in Allied Health—2 hours**

Formal course work designed to meet the needs and interests of students in specialty areas of the Allied Health professions not covered in regular courses. FALL | WINTER

**ALHT 284 - Introduction to Speech-Language Pathology and Audiology—2 hours**

Major types of disorders, etiology, and treatment. Survey course for students majoring in speech-language pathology and audiology, prospective teachers, and others who may encounter speech-language or hearing disorders in their professions. Taught online through Loma Linda University. WINTER

**Adventure Activity****ADAC 141 - Fly-Fishing (P-1b)—1 hour**

This course is designed to teach the fundamentals of fly-fishing. The course will include but not be limited to: casting, rods & reels, knots, lines, leaders, flies, insectology, fish, equipment, wilderness ecology and where to go. This is a great family oriented, lifetime activity that will be about catch and release in the great out-of-doors. Several outings will be part of this course. Minimal fees may be charged for transportation. Lab Fee: 8 (\$150). Prerequisite(s): PEAC 125. WINTER

**ADAC 142 - Canoeing (P-1b)—1 hour**

This is a leadership skills course in flat and moving water canoeing. Students gain knowledge and skill in the areas of canoe handling, guiding, and packing over the course of a multi-day canoeing expedition over flat and moving water. Students also gain experience in primitive camping techniques and outdoor trip leadership. Leave No Trace methods of wilderness camping are emphasized. May include an American Canoe Association certificate. A multi-day expedition trip will be required over fall or spring break, respectively. Lab Fee: 13 (\$325). Prerequisite(s): PEAC 125. FALL | WINTER

**ADAC 145 - Basic Rock Climbing (P-1b)—1 hour**

This course introduces students to the sport of rock climbing and provides the foundation for more advanced climbing courses as well as the ability to lead others climbing. During the class, students will gain an overview of the different types of climbing, rating systems, and equipment. Essential knots, safe belay and rappel techniques, and basic top-rope anchor building skills will be emphasized in this course. Students will also gain exposure to the array of world-class rock climbing and bouldering areas in the Southeast. Crack and face climbing techniques will be taught at a variety of on-and-off campus climbing venues. An off-campus field experience of up to four days may be required. Lab Fee: 9 (\$180). Prerequisite(s): PEAC 125. FALL | WINTER

**ADAC 146 - Whitewater Rafting Guide (P-1b)—1 hour**

This course provides students with the technical and educational proficiencies necessary to be a safe and professional white water rafting guide. Students will work closely with their instructor and commercial rafting companies to learn skills such as participant safety, reading and understanding the river, and customer service. Course leads to certification as a local river rafting guide. An off-campus field experience of up to four days may be required. Lab Fee: 8 (\$150). Prerequisite(s): PEAC 125. FALL | WINTER

**ADAC 148 - Horsemanship (P-1b)—1 hour**

This course is an introduction to horseback riding, designed for students with no or little previous horse handling experience. Ground instruction teaches proper, safe, and organized horse handling as well as horse care. Mounted instruction focuses on teaching the student a basic riding position and use of aids to effectively and efficiently communicate with the horse at the walk and trot. Lab Fee: 12 (\$300). Prerequisite(s): PEAC 125. WINTER

**ADAC 151 - Scuba Diving (P-1b)—1 hour**

This eight-week course leads to open water certification by the National Association of Underwater Instructors (NAUI) upon satisfactory completion of written exam, pool skills and check-out dives. All students at the beginning of the class should be able to comfortably swim combination of strokes for 225 yards with minimal stops for rest. Style and speed are not required. Lab fees and check-out dive expenses will be charged in addition to tuition. This course cannot be added late. Lab Fee: 16 (\$500). Additional trip expenses charged after the check-out dive. Prerequisite(s): PEAC 125. FALL | WINTER, even years

**ADAC 152 - Caving (P-1b)—1 hour**

Overview of sport caving as it applies to the outdoor classroom. Students will receive instruction in specialized equipment usage, cave selection, Leave No Trace ethics, conservation and cave ecology, group management, and participant and personal safety. An off-campus field experience of up to four days may be required. Lab Fee: 8 (\$150). Prerequisite(s): PEAC 125. WINTER

**ADAC 155 - Basic Kayaking (P-1b)—1 hour**

Students will safely learn the mechanics for flat, moving, and whitewater kayaking. The course will include but not be limited to: basic strokes for propulsion, combat roll techniques, eddy turns, peel outs, upstream and downstream ferrying, surfing, and basic river rescue. Lab Fee: 6 (\$90). Prerequisite(s): PEAC 125. FALL

**ADAC 156 - Land Navigation (P-1b)—1 hour**

The use of map and compass is one of the most fundamental of outdoor skills. This class is designed to provide information and practical experience that students will use in their roles as outdoor educators and adventure leaders. Topics include map symbols, Universal Transverse Mercator Coordinate System, latitude and longitude, map scales, declination, resection and map and field bearings, and curriculum development. Students will participate in several map and compass practica as well as a multiday cross country experience. An extended off-campus field experience of up to four days may be required. Lab Fee: 5 (\$60). Prerequisite(s): PEAC 125. FALL, even years

**ADAC 160 - Snow Skiing/Boarding (P-1b)—1 hour**

A course that is designed to increase your appreciation of snow skiing or boarding as a lifelong pursuit. This course topics will include but not be limited to: equipment, clothing, resort navigation, safety, basic to advanced skills, and physical preparation. A spring break trip to Colorado and additional class activities prior to spring break are required. Lab Fee: 24 (\$1,300). Prerequisite(s): PEAC 125. WINTER

**ADAC 161 - Whitewater Kayaking (P-1b)—1 hour**

Students will learn essential techniques and safety precautions necessary to competently navigate whitewater rivers. The course curriculum will follow the American Canoe Association (ACA) safety standards and teaching model and will include such topics as combat rolling, precise boat control in class I-III rapids, play-boating basics, river reading, and river rescue essentials. In addition, students will learn Leave No Trace river ethics and stewardship. Sound decision making, judgment, risk to kayak on classic Southeastern rivers under the guidance of certified ACA instructors. Successful course completion will lead to an industry recognized Level 3 ACA certification in river safety and rescue and certification in CPR/First Aid. An extended off-campus field experience of up to four days may be required. Lab Fee: 9 (\$180). Prerequisite(s): PEAC 125. FALL

**ADAC 162 - Wilderness Backpacking (P-1b)—1 hour**

This fundamental course provides students with the knowledge and skills necessary to be safe, comfortable, and environmentally responsible while backpacking in a wilderness environment. Sound outdoor leadership principles coupled with Leave No Trace backcountry ethics provide the philosophical and practical foundations of this course. Topics include equipment use and selection, meal planning and preparation, orienteering and land navigation, as well as safety and risk management. An extended off-campus field experience of up to four days may be required. Lab Fee: 7 (\$120). Prerequisite(s): PEAC 125. WINTER



**ADAC 200 - Gym Climbing (P-1b)—1 hour**

A fun and exciting introductory course to the sport of Gym Climbing. This course will introduce several climbing skills including: climbing safety, essential knots, belaying techniques, climbing techniques, top roping, and lead climbing. These skills can be used in climbing gyms and is a foundation for outdoor climbing. Lab Fee: 4 (\$30). Prerequisite(s): PEAC 125. FALL | WINTER

**ADAC 212 - Backpacking (P-1b)—1 hour**

This course is designed to increase your appreciation of hiking and camping as a lifelong pursuit. This course will include but not be limited to: equipment, clothing, menu planning, basic cooking skills, map and compass navigation, on-trail hiking techniques, safety, and minimum impact camping. Lab Fee: 6 (\$90). Prerequisite(s): PEAC 125. FALL

**ADAC 214 - Mountain Biking (P-1b)—1 hour**

This course is designed to acquaint students with the basics of mountain biking. The course will include but not be limited to: choosing a mountain bike, bike maintenance, choosing places to ride, safety, and equipment. A variety of rides from easy to challenging will be required. Students must provide their own bike. Minimal transportation fees may be required. Lab Fee: 7 (\$120). Prerequisite(s): PEAC 125. FALL | WINTER

**ADAC 215 - CHA Horsemanship Certification (P-1b)—1 hour**

For group riding instructors dealing with progressive skill building in all levels of riders, both in the arena and on the trail. Certification may be earned in English and/or Western disciplines; minimum age for assistant certification is sixteen (16), minimum age for instructor certification is eighteen (18). Eight levels of certification may be earned in both English and Western disciplines, ranging from assistant instructor to CHA clinician. Level of certification is the sole discretion of the clinic staff. Previous horse experience is required. Lab Fee: 18 (\$700). Prerequisite(s): PEAC 125; ADAC 148 or permission of instructor. WINTER

**ADAC 248 - Intermediate Horsemanship (P-1b)—1 hour**

This course continues to develop the student's basic understanding and application of universal horsemanship skills. Ground instruction includes basic horse health care and maintenance. Mounted instruction in the arena and cross country focuses on correct riding position for the rider and use of aids to effectively communicate with the horse at the trot and canter. Students will also be introduced to beginning jumping techniques. Lab Fee: 12 (\$300). Prerequisite(s): PEAC 125; ADAC 148 or consent of instructor. WINTER

**ADAC 251 - Advanced Scuba (P-1b)—1 hour**

The course is a continuing education certification course for basic open water certified divers. The course certifies the participant as a NAUI ADVANCED DIVER & NAUI RESCUE SCUBA DIVER. RED CROSS FIRST AID/CPR/AED/OXYGEN ADMINISTRATION certifications are also obtained as requirements of this course. Lab Fee: 16 (\$500). Prerequisite(s): PEAC 125 and ADAC 151. WINTER, odd years

**ADAC 262 - Introduction to Camping (P-1b)—1 hour**

A course designed to promote outdoor recreation and provide experience for those interested in preparing for different phases of camp life, outdoor living, and activities. A weekend camping trip with a hike is required. Lab Fee: 5 (\$60). Prerequisite(s): PEAC 125. WINTER

**ADAC 265 - Topics in Activity—1-3 hours**

Topics selected from activities not covered in other courses. This course may be repeated for credit. Prerequisite(s): PEAC 125. FALL | WINTER

**ADAC 430 - Back Country Skiing (P-1b)—1 hour**

This course is a multi-day immersion in backcountry skiing and winter expeditionary travel. This is a human powered outdoor adventure with a focus on developing leadership skills useful to real life. There are no ski lifts. The focus is on technical skiing skills and traveling light, evaluating hazards, and moving through alpine terrain in the most efficient and enjoyable way possible. Students should be prepared for a physically demanding experience and should have intermediate level skiing or snowboarding experience. Students will participate in an avalanche safety course as part of the course field experience. The semester consists of classroom preparation, and an extended trip. This trip will take place during the January week prior to school starting if offered in the Fall semester, or Spring Break if offered in Winter semester. Backcountry huts will serve as the base camp for group safety and comfort. The goal is for the lab fee to cover the costs of avalanche safety course, all rental gear, lodging and transportation. Lab Fee: 24 (\$1,300) FALL or WINTER

**ADAC 435 - Alpine Mountaineering (P-1b)—1 hour**

Alpine Mountaineering develops backcountry and climbing skills that enable the alpinist to ascend larger mountains in an expeditionary context which often involve winter-like conditions. This field-based outdoor adventure focuses on developing leadership skills useful to real life, and provides an introduction to mountaineering skills such as snow camping, ice and mixed rock climbing, crevasse rescue and glacier travel. Due to strenuous nature of this course, participants must be in excellent physical condition, and be prepared to camp and live outdoors in extreme conditions. Extended field experience required. Lab Fee: 24 (\$1,300). Prerequisite(s): ADAC 145. FALL



## Adventure Theory

### ADTH 350 - Adventure Activity Curriculum Applications—2 hours

This course is designed to provide students who have a variety of basic adventure skills with the philosophy, leadership skills and the knowledge to teach adventure activities. Content will include but not be limited to the importance of safety, skill development, curriculum development, leadership, environmental awareness, protection, conservation, and the implementation process of adventure programs. Lab Fee: 8 (\$150). Prerequisite(s): Completion of two ADAC courses. Winter, even years

## Studio Art

### ART 101 - Introduction to Drawing—3 hours

A course designed for the general education student or the art student who has had no formal training in drawing or who does not have a portfolio of their art work. This course introduces the beginning student to the basic principles of drawing such as perspective, value, and form. Does not apply to the major. Lab Fee: 5 (\$60). FALL | WINTER

### ART 104 - Drawing I—3 hours

A foundations course in visual perception that develops sensitive seeing and thinking skills for future application in any media. Students learn to accurately translate three-dimensional objects into two dimensions using line and value. In addition to drawing in class, daily drawing outside of class is required. Lab Fee: 6 (\$90). FALL

### ART 105 - Drawing II—3 hours

In Drawing II students refine observational skills that they began developing in Drawing I. Students will improve accuracy and sensitivity with both line and value. Complex subject matter is addressed through still life and portraiture. Gesture is introduced as the beginning of expression. In addition to drawing in class, daily drawing outside of class is required. Lab Fee: 6 (\$90). Prerequisite(s): ART 104. WINTER

### ART 107 - Drawing in Motion—3 hours

This course will focus on capturing an active figure with drawing. The course is designed to give the animation student skill in gestural drawing that incorporates the use of the line of action, weight, and force. The course includes sequence based studio time with models and observation studies in the field. Lab Fee: 6 (\$90). Prerequisite(s): ART 104. WINTER

### ART 109 - 2D Foundations-Plane and Color—3 hours

This course introduces the fundamental language of design used to create meaning and function in visual communication on the 2-D plane. Students will investigate concepts and principles of organization in relation to the visual elements, with an emphasis on color theory. Methods of generating and editing the visual plane will be explored through a range of creative processes and media. Visual analysis of historical, contemporary, and personal work will foster vocabulary development, technical skills, and critical awareness. Lab Fee: 5 (\$60). FALL | WINTER

### ART 110 - 3D Foundations-Form and Time—3 hours

This course builds on the concepts and principles of design presented in 2-D Foundations by applying them to time based and 3-D forms in physical space. Students will focus on the concepts of space, mass, volume, movement, and time as they pertain to the organizational principles of direction, balance, axis, orientation, and relationship. Hands-on projects emphasize the processes of thinking and planning, selection of tools and materials, thoughtful articulation of the built form, and critical analysis. Lab Fee: 5 (\$60). Prerequisite(s): ART 109. WINTER

### ART 148 - Ceramics I—3 hours

An introductory course in clay ceramics, covering hand-building techniques and beginning wheel throwing processes, along with related glazing and firing techniques. Lab Fee: 9 (\$180). FALL | WINTER

### ART 175 - Introduction to Studio Practices—3 hours

An introductory course in studio practices, in which the student is to acquire the preparatory skills for self-directed creative work. It is expected that the student will, through visual research, inquiry, and material consideration, begin to develop content that will be explored comprehensively in subsequent years. Students style and focus, both materially and conceptually. Lab Fee: 7 (\$120). Prerequisite(s): ART 222 or permission of instructor. FALL | WINTER

### ART 205 - Figure Drawing—3 hours

An intermediate course for fine art majors and animators that focuses on the structure of the human body, for the purpose of becoming visually sensitive to all the deformations on the surface, with respect to form and light. Through the careful observation of the live model in short and prolonged poses, the student will learn to draw, paint, and sculpt the human figure. Lab Fee: 8 (\$150). Prerequisite(s): ART 105. FALL

### ART 221 - Painting I—3 hours

An introduction to the technical and material basics of painting, with a concentration on the observation of form, color, and light. Students work primarily from the still life using a method of direct paint application. Analyzing contemporary and historical paintings will cultivate an awareness of organizational structures and the communicative possibilities of painting. Lab Fee: 7 (\$120). Prerequisite(s): ART 104, ART 105, ART 109, Admission to Fine Arts Program or permission of instructor. FALL | WINTER

### ART 222 - Painting II—3 hours

This intermediate course is designed to allow the painting student to explore the styles and techniques of the masters focusing on light, brush strokes, glazes, and color. Lab Fee: 7 (\$120). Prerequisite(s): ART 221. FALL | WINTER

**ART 228 - Watercolor I—3 hours**

A course designed to give the student a basic understanding of the techniques of transparent watercolor. The student studies brush-strokes, painting surfaces, paint characteristics, masking, and the overlay of colors using the white surface for tinting. A variety of subjects will be studied that require specific painting techniques in rendering surface textures such as water, clouds, and trees. Lab Fee: 5 (\$60). Prerequisite(s): ART 104, ART 105 or permission of the instructor. FALL | WINTER

**ART 230 - Introduction to Art Experiences—2 hours**

A course designed to give education majors who don't have an art background an introduction to the creative art process and hands-on experience with a variety of art media and materials. Emphasis will be given to the aesthetic expression, media exploration, and art appreciation. Attention will also be given to the development of lesson plans that incorporate an artistic use of media, design, and composition. This course does not apply on a major or count toward any major or minor in the School of Visual Arts and Design. Lab Fee: 6 (\$90).

**ART 238 - Introduction to Art Therapy—3 hours**

An introductory course designed to introduce the pre-art therapy student to the field and practice of Art Therapy. A minimum of thirty contact hours in the practice setting of Art Therapy with hands on experience is required. Lab Fee: 6 (\$90). Prerequisite(s): ART 105, ART 109; PSYC 122, PSYC 128. FALL

**ART 248 - Ceramics II—3 hours**

An advanced throwing class exploring a range of stylistic approaches to ceramics, from functional vessels and ceramics on the pottery wheel to more advanced and self-expressive three-dimensional forms. Lab Fee: 9 (\$180). Prerequisite(s): ART 148. FALL | WINTER

**ART 265 - Topics in Art—1-6 hours**

This course is designed to facilitate specialty projects, workshops, tours and topics in visual art. May be repeated for credit with permission. Lab Fee: Variable as needed. FALL | WINTER

**ART 275 - Studio Practices—3 hours**

This course continues the concepts and materials investigations begun in Introduction to Studio Practices, in order to develop a cohesive body of work. Inquiry, along with observational, technical, conceptual, interpretive skills are emphasized in developing a more mature studio practice that incorporates goal setting, time management, and portfolio development. Lab Fee: 7 (\$120). Prerequisite(s): ART 175 or permission of instructor. FALL | WINTER

**ART 295 - Directed Study—1-3 hours**

The course is designed for students who wish directed study or for a group of students who wish a special course not taught under the regular class offering. Students taking the class as directed study may choose from art history, ceramics, design, drawing, painting, printmaking, and sculpture. (Students must have had maximum classes offered in area.) This course also includes credit offered by the Art Department on directed study tours. May be repeated for credit up to four times. Lab Fee: 6 (\$90). Prerequisite(s): For students electing to take ART 295, permission of the instructor must be obtained. ART 495 is for majors and minors only. FALL | WINTER

**ART 300 - Printmaking—3 hours**

A course designed to give the art major experience in printmaking media. Relief, intaglio, and silk-screen will be covered. Lab Fee: 7 (\$120). Prerequisite(s): ART 104 or permission of instructor. FALL

**ART 305 - Figure Workshop—3 hours**

An advanced course for fine art majors and animators that focuses on the structure of the human body, for the purpose of becoming visually sensitive to all the deformations on the surface, with respect to form and light. Through the careful observation of the live model in short and prolonged poses, the student will refine their skill in drawing, painting, and sculpting the human figure. Can be repeated for credit. Lab Fee: 8 (\$150) Prerequisite(s): ART 105, ART 110 or Permission of Instructor. FALL

**ART 306 - Drawing IV—3 hours**

An advanced drawing class in which the student develops conceptual and technical expertise through the creation of a series of visually and thematically related works. Lab Fee: 6 (\$90). Prerequisite(s): ART 205. FALL | WINTER

**ART 310 - Painting III—3 hours**

An advanced class in painting in which the student begins his or her personal idea search. It is expected that the student will develop content in this class that will be developed over the next two years. Constancy in style and focus are expected resulting in professional portfolio pieces. Lab Fee: 7 (\$120). Prerequisite(s): ART 222 or permission of instructor. FALL | WINTER

**ART 328 - Advanced Watercolor—3 hours**

Advanced problems in watercolor technique where a personal style of painting and a body work focused on content is developed. Lab Fee: 5 (\$60). Prerequisite(s): ART 228. FALL | WINTER

**ART 329 - Sculpture: Materials and Techniques—3 hours**

Introduction to the problems of form and volume in sculpture, three-dimensional design, and installation using various media such as clay, plaster, wood, metal casting and found objects. Lab Fee: 9 (\$180). Prerequisite(s): ART 104, ART 110. FALL

**ART 331 - Illustration Methods (SERV-2)—3 hours**

Students will learn illustration techniques using pencils, ink, markers, colored pencils, and photo retouching. Lab Fee: 7 (\$120). Prerequisite(s): ART 105. WINTER

**ART 348 - Ceramics III—3 hours**

An advanced hand-building and mold making course that develops a student's vision for using a variety of ceramic techniques in their work—from innovative construction and mold making techniques to advanced wheel-thrown objects. Glaze and clay formulation are further explored. Lab Fee: 10 (\$210). Prerequisite(s): ART 248. FALL | WINTER

**ART 375 - Advanced Studio Practices—3 hours**

Students are expected to clarify their objectives, refine their technical abilities and develop a strong work ethic. Throughout the fall, students will research the sources that support their studio practice. Students will present a thesis draft on their investigations by the end of the semester. Approval by the Fine Art faculty is required for the development and execution of the thesis in subsequent semesters. Lab Fee: 7 (\$120). Prerequisite(s): ART 275 or permission of instructor. FALL | WINTER

**ART 406 - Drawing V—3 hours**

In this course students continue the series begun in Drawing IV in order to develop a cohesive body of work that informs and parallels creative works in other media. Observational, technical, conceptual, and interpretive skills will be emphasized. Lab Fee: 6 (\$90). Prerequisite(s): ART 306. FALL | WINTER

**ART 410 - Painting IV—3 hours**

A continuation of portfolio development from Painting III with an emphasis on more mature studio practices such as time and portfolio management. Continuing the same content as in Painting III. Lab Fee: 7 (\$120). Prerequisite(s): ART 221 or permission of instructor. FALL | WINTER

**ART 412 - Preparing to Meet the Firms—1 hour**

This course is made up of a series of topics presented in a seminar setting to provide students with necessary tools to actively pursue and acquire internships and jobs. Topics will include but are not limited to: Résumés, Networking, Corporate Climate, Interviewing, Dress, Portfolios, Company Research, Etiquette. Besides listening to guest presentations, opportunities will exist to interact with guest lecturers and professors about thoughts and theories regarding the area of job acquisition. Lab Fee: 4 (\$30). FALL | WINTER

**ART 440 - Thesis Project—6 hours**

Students will pursue independent studio practice with a goal of producing a body of work to be shown in a curated exhibition and presented in their professional portfolio. The body of work will have a written thesis document that supports the thesis draft from the fall semester. This course is taken in conjunction with ART 460. Lab Fee: 9 (\$180). Prerequisite(s): ART 375 or permission of instructor. FALL | WINTER

**ART 448 - Ceramics IV—3 hours**

A capstone ceramics course where students are required to create a fully developed body of work, utilizing the techniques and skills learned in previous ceramic courses. Lab Fee: 10 (\$210). Prerequisite(s): ART 348. FALL | WINTER

**ART 460 - Professional Practices—3 hours**

A preparation for professional artistic practice and/or graduate school. Portfolio design, artist statement, résumé and applications will be prepared and topics relevant to professional artistic practice discussed. Lab Fee: 6 (\$90). FALL | WINTER

**ART 465 - Topics in Art—1-6 hours**

See ART 265 for course description. Lab Fee: Variable as needed. FALL | WINTER

**ART 495 - Directed Study—1-3 hours**

See ART 295 for course description. Times. Lab Fee: 7 (\$120). Prerequisite(s): For students electing to take ART 295, permission of the instructor must be obtained. ART 495 is for majors and minors only.

**Art Education****ARTE 295 - Directed Study—1-3 hours**

This course involves individual or group work adjusted to meet particular needs in Art Education. Content is chosen by the faculty adviser and the student. May be repeated.

**ARTE 338 - Elementary Methods in Art—3 hours**

This course introduces the art education student to lesson plan design specific to art. The teacher is required to produce demonstration pieces for lessons, and incorporate Discipline Based Art Education methods recommended by the National Art Education Association into the lesson format. Text with a specific focus on art education learning process for K-6 will be covered also. The student will participate in the observation of professional teachers and will teach a lesson of their own creation. The application of art criticism, relative to K-6 understanding will also be covered in the class. FALL | WINTER

**ARTE 368 - Secondary Methods in Art—3 hours**

This course introduces the art education student to lesson plan design and unit design specific to art. The teacher is required to produce demonstration pieces for lessons, and incorporate Discipline Based Art Education methods recommended by the National Art Education Association into the lesson format. Text with a specific focus on art education learning process for secondary level students will be covered also. The student will participate in the observation of professional teachers and will teach a lesson of their own creation. Art criticism relative to secondary level students understanding will also be explored. Prerequisite(s): ARTE 338. FALL | WINTER

**ARTE 495 - Directed Study—1-3 hours**

See ARTE 295 for course description. FALL | WINTER

**Film Production****ARTF 111 - Intro to Film Production—3 hours**

This course provides an overview of the entire film production model including story development, pre-production, production, post-production, and distribution. It will also introduce students to the principles and use of tools of filmmaking, including motion picture cameras. This is a studio course. Lab Fee: 14 (\$350). FALL

**ARTF 114 - Film Business and Management—3 hours**

Students act as producers on a short film. Special attention is given to hiring cast and crew, making proper use of legal documents, budgeting, scheduling, and distribution. This is a lecture/studio course. Lab Fee: 14 (\$350). Prerequisite(s): ARTF 111. WINTER

**ARTF 215 - Lighting—3 hours**

Students learn the fundamentals of how to use light to create moods and effects especially as related to motion picture and still photography. This is a lecture/lab course. Lab Fee: 14 (\$350). WINTER

**ARTF 220 - History of Cinema—3 hours**

This course provides an overview of the history of cinema from its dawn in the late 1800s to present. This course is specifically designed to give visual artists critical historical context for their work and will include screenings and analysis of important works of fiction films, documentaries and animations. Key eras including silent cinema (1895-1930), sound cinema (1930-1960), and modern cinema (1960-present) will be addressed. Lab Fee: 5 (\$60). WINTER

**ARTF 226 - Screenwriting I—3 hours**

This is intended for Film Production and Animation students to develop skills in the art of writing for the screen. Attention will be given to audience, theme, character, plot construction, dramatic structure, dialogue, and elements of film space and timing. This is a lecture/lab course. Lab Fee: 6 (\$90). Prerequisite(s): ENGL 101, ENGL 102, Admission to Film Program, or permission of instructor. FALL

**ARTF 235 - Cinematography—3 hours**

This course continues instruction in the craft of capturing moving images with film and digital video cameras. Special emphasis is placed on camera movement, blocking, and shot flow. The course is project-oriented, and students will work with seniors enrolled in ARTF 372 to produce complete short films. This is a studio course. Lab Fee: 16 (\$500). Prerequisite(s): Admission to Film Program. FALL

**ARTF 265 - Topics in Film Production—1-3 hours**

Selected topics in film production and related areas, presented in the setting appropriate to the topical material (classroom, field production, or professional seminar/conference). This is a studio course. This course may be repeated for credit. Lab Fee: Variable as needed to cover expenses. Prerequisite(s): Permission of instructor. FALL | WINTER

**ARTF 295 - Directed Study—1-3 hours**

This course involves individual or group work adjusted to meet particular needs in Film Production. Content is chosen by the faculty adviser and the student. May be repeated. Lab Fee: 14 (\$350).

**ARTF 320 - Post Production—3 hours**

Students will learn non-linear film editing techniques. Special attention is paid not only to technical proficiency but to the pacing and overall flow and continuity of scenes. This is a lecture/lab course. Lab Fee: 14 (\$350). WINTER

**ARTF 328 - Screenwriting II (W)—3 hours**

Students write several short screenplays, as well as one feature length screenplay intended for portfolio use. This is a lecture/lab course. Lab Fee: 6 (\$90). Prerequisite(s): ARTF 226. WINTER

**ARTF 353 - Directing the Documentary (SERV-2)—3 hours**

Students produce several documentary films and analyze documentary films paying special attention to the kinds of creative and practical challenges documentary film makers confront. This is a lecture/studio course. Lab Fee: 14 (\$350). Pre- or Co-requisite: Pre- or Co-requisite: ARTF 320. FALL

**ARTF 360 - Film Studio Practices—3 hours**

This course focuses intensively on maturing leadership abilities. Enrolled students will serve as mentors/tutors to novice/beginner students, and hold regular production leadership meetings. Students will acquire and develop skills for self-directed work. Individual research and inquiry will fuel progress in a selected discipline. Advanced coursework will drive mastery in the student's chosen path. Lab Fee: 13 (\$325). WINTER

**ARTF 372 - Senior Project I—3 hours**

This is the first class in a sequence where students develop and execute a major project in order to hone the skills they have acquired during their academic career. Key components include artistic storytelling, technical proficiency, and content that is compatible with the mission of Southern Adventist University. Ideally this course should be taken during the first semester of the senior year, and encompasses the development and production phase of the project. Lab Fee: 14 (\$350). Pre- or Co-requisite: Pre- or Co-requisites: ARTF 328, ARTF 422. FALL

**ARTF 391 - Film Production Practicum—1-3 hours**

Students will work in a film production related business for a minimum of 50 clock hours per credit hour with employer evaluation. Students must maintain a log sheet and sample of work. Lab Fee: 10 (\$210). FALL | WINTER

**ARTF 422 - Directing the Narrative—3 hours**

Film students will be introduced to fundamentals of acting and directing as they direct each other in short scenes. Attention will also be given to how to communicate clearly with the cast and key department heads. This is a lecture/studio course. Lab Fee: 16 (\$500). Prerequisite(s): ARTF 328. WINTER

**ARTF 465 - Topics in Film Production—1-3 hours**

See ARTF 265 for course description. Lab Fee: Variable as needed to cover expenses. Prerequisite(s): Permission of instructor. FALL | WINTER

**ARTF 472 - Senior Project II—3 hours**

In this sequence students will develop and execute a major project that should represent the skills that they have honed during their academic career. This second phase, taken first semester of the senior year, will encompass pre-production and production phases of the project. Lab Fee: 14 (\$350). Prerequisite(s): ARTF 372. WINTER

**ARTF 492 - Film Production Internship—3 hours**

Students will work on a project in the film industry during the summer, preferably an 8 to 12 week period between the junior and senior year. At least 300 clock hours of work experience are required. Prerequisite(s): Completion of at least half of the hours required for a major in film production. Submission and approval of a demo reel, résumé, and a written summary of interviews with three industry professionals. FALL | WINTER | SUMMER

**ARTF 495 - Directed Study—1-3 hours**

See ARTF 295 for course description. Lab Fee: 14 (\$350).

**Graphic Design****ARTG 115 - Introduction to Graphic Design—3 hours**

An introductory creative imaging course for those interested in professional visual art fields such as graphic design, film, animation, and interactive visual communication. This course introduces students to the Adobe Creative Suite's basic tools and principles for the acquisition, creation, manipulation, and output of both bitmapped and vector-based digitally generated compositions. Lab Fee: 10 (\$210). Pre- or Co-requisite: Pre- or Co-requisite: ART 109. FALL | WINTER

**ARTG 121 - Typography I—3 hours**

An introductory course examining the conceptual and practical application of type as a visual design element. Students investigate the role of type as a tool to convey both information and aesthetics, through a series of projects that explore creative innovation as well as timeless typographic principles. Foundation concepts of typographic structure and organization, historical typography highlights, and type dynamics are emphasized. Lab Fee: 14 (\$350). Prerequisite(s): ART 109; ARTG 115. FALL

**ARTG 122 - Typography II—3 hours**

This intermediate course builds on previous typographic investigation to address the various roles of type in visual communication. Studio projects explore advanced typographic concepts, such as the synergy between type and image, the conceptual and mechanical process of creating original typeface designs, and both the readability and legibility of type as body copy. Lab Fee: 14 (\$350). Prerequisite(s): ARTG 121. WINTER

**ARTG 138 - Design Studio I—3 hours**

A course examining the important historical events and technological innovations that have contributed to current trends and practices in the field of graphic design. Lecture presentations, research, and discussion combine to develop the student's awareness of historical and current technologies, and the artists and designers who have used them to shape the world through visual communication. Studio components of the course give students the opportunity to create visual interpretations of lecture content. Lab Fee: 7 (\$120). Pre- or Co-requisite: Pre or Co-requisites: ART 109; ARTG 115. WINTER

**ARTG 210 - Vector Graphics—3 hours**

A course designed to develop skills needed for producing vector-based digital art. Students with a basic knowledge of vector graphic concepts will gain a comprehensive understanding of the industry standard vector drawing program, Adobe Illustrator. Emphasis is placed on the application of appropriate design principles to digital image making. Lab Fee: 14 (\$350). Prerequisite(s): ART 109; ARTG 115, or permission of the instructor. WINTER

**ARTG 212 - Raster Graphics—3 hours**

In this course the student will learn to create and manipulate raster-based imagery, using the industry standard image-editing program, Adobe Photoshop. Color correction, scanning resolutions, selection tools, compositing, image adjustments, collage and montage techniques, masking, and the effective application of filters, blend modes, and effects will be studied in detail. Lab Fee: 14 (\$350). Prerequisite(s): ARTG 115; ART 110 or permission of the instructor. FALL

**ARTG 238 - Design Studio II—3 hours**

A foundation course that explores the creative and production processes used to develop commercially printed visual communication materials. By focusing on methodologies for ideation, refinement in visualization techniques, and the printed production of finished digital and analog compositions, students will practice the conceptual thinking and mechanical skills needed to achieve consistently effective design solutions. Lab Fee: 14 (\$350). Prerequisite(s): ARTG 138 or permission of instructor. FALL

**ARTG 265 - Topics in Computer Graphics—1-3 hours**

Participation in workshops and seminars offered by active professional graphic designers and adjunct faculty. The presentations are offered in an intensive block two to three times per semester. Selected topics include all areas related to the field of Graphic Design. Lab Fee: 14 (\$350). FALL | WINTER

**ARTG 295 - Directed Study—1-3 hours**

This course involves individual or group work adjusted to meet particular needs in Graphic Design. Content is chosen by the faculty adviser and the student. May be repeated. Lab Fee: 14 (\$350).

**ARTG 324 - Editorial Design—3 hours**

In this course students focus on conceptual design as the foundation for editorial expression. The development of page structure is emphasized as the method for effectively interweaving the use word and image in multi-page publications. Students learn to balance editorial aesthetics, production considerations, and publication time constraints as they produce a series of multiple page projects. Lab Fee: 14 (\$350). Prerequisite(s): ARTG 122 and ARTG 238 or permission of instructor. WINTER

**ARTG 332 - Advertising Design—3 hours**

This course addresses the development of the creative concepts used to promote of products and services through visual imagery. The theoretical tenets of design for advertising are emphasized as the key to effective visual communication, motivation, and persuasion. Lab Fee: 14 (\$350). Prerequisite(s): ARTG 212. FALL

**ARTG 335 - Three-dimensional Graphic Design—3 hours**

A course that explores the synergistic potential of applying graphic elements to three-dimensional structures and environments. Students learn the fundamentals of dimensional construction, while honing their ability to capture audience attention through innovative forms and graphics. Diverse market areas are explored, including retail and promotional packaging, exhibition design, product design, environmental signage, and wayfinding systems. Emphasis is placed on craftsmanship and the imaginative use of materials. Lab Fee: 14 (\$350). Prerequisite(s): ARTG 238. FALL

**ARTG 338 - Design Studio III—3 hours**

A course in which students continue to expand their intellectual and creative abilities by resolving the design challenges of a series of studio projects with a wide variety of formats, functions, and technical specifications. Projects ranging from branding applications to comprehensive PSA campaigns foster the student's ability to develop a design rationale, execute it appropriately, and achieve professional visual solutions for complex design problems. Lab Fee: 14 (\$350). Prerequisite(s): ART 238 or permission of instructor. WINTER

**ARTG 420 - Branding Systems (SERV-2)—3 hours**

A course that focuses on current philosophy and practice in logo/trademark design and application. Students create logo designs that become the basis for comprehensive identity systems crafted to articulate organizational brand attributes clearly and consistently. Lab Fee: 14 (\$350). Prerequisite(s): ARTG 212. FALL

**ARTG 432 - Senior Design Studio—3 hours**

This course prepares students to transition to a career in graphic design by combining instruction in the preparation of a professional portfolio with a comprehensive introduction to fundamental design business practices. Degree candidates hone the business, promotional, networking, and interviewing skills that will be needed in the professional work environment. Lab Fee: 14 (\$350). Prerequisite(s): Senior standing in Graphic Design major. WINTER

**ARTG 465 - Topics in Computer Graphics—1-3 hours**

See ARTG 265 for course description. Lab Fee: 14 (\$350). FALL | WINTER

**ARTG 491 - Graphic Design Practicum—1-3 hours**

Students will work in a graphics related business for a minimum of 50 clock hours per credit hour with employer evaluation. Students must maintain a log sheet and samples of work. FALL | WINTER | SUMMER

**ARTG 492 - Graphic Design Internship—1-2 hours**

Students will work in a graphics related business for a minimum of 180 clock hours per credit hour with employer evaluation. Students must maintain a log sheet and samples of work. FALL | WINTER | SUMMER

**ARTG 495 - Directed Study—1-3 hours**

See ARTG 295 for course description. Lab Fee: 13 (\$325).



## Art History

### **ARTH 218 - Art Appreciation (IN-10)—3 hours**

Lecture and travel seminar. Survey and appreciation course of art history from pre-historic to modern times. One class is offered in the fall semester, with two hours per week lecture, and the week of Thanksgiving spent in and New York City visiting major art museums. When offered in the first summer session, there will be one week of two-hour lectures and two weeks of travel and museum visits. There is an additional charge for travel. Students will be required to write a summary paper. Students taking the class for upper division credit will be required to write a research paper. Lab Fee: 22 (\$1,100). This course is cross-listed with ARTH 318. A student may receive credit for this course from only one program. FALL

### **ARTH 225 - Ancient Through Early Christian Art History (IN-10)—3 hours**

An art history survey course examining the painting, sculpture, and architecture of the ancient Near East from earliest times to the late Roman period. Egyptian and Greek art is taught with a view to future influences on Roman and early Christian periods in relation to social, political, and religious contexts. This course is cross-listed with ARTH 325. A student may receive credit for this course from only one program. WINTER

### **ARTH 235 - Medieval, Renaissance, and Late Baroque Art History (IN-10)—3 hours**

An art history survey course that focuses on the rise of Christianity during the Middle Ages, the subsequent development of Renaissance humanism, and its influence on painting, sculpture, and architecture. The course covers the interactions between major Italian and Northern Renaissance artistic centers and their movements, continuing to the late Baroque period of the 1700s. Attention is given to Baroque artists and those expressions reacting to the Protestant Reformation. This course is cross-listed with ARTH 335. A student may receive credit for this course from only one program. WINTER

### **ARTH 240 - Art History Study Tour—3 hours**

Sponsored by the School of Visual Art and Design, the Art History Study Tour focuses on the art historical, architectural, and archaeological developments within a given region. Emphasis is placed on the comparative analysis of cultures, locations, and events, as they relate to art history. Fees are assessed to cover the expenses of the tour. SUMMER

### **ARTH 245 - Contemporary Art (IN-10)—3 hours**

An art survey course tracing the rise of modernism after the French Revolution through the nineteenth century, culminating in recent postmodern developments of twenty-first century artistic expression. Special attention will be given to European and American arts and the incessant demand for the shock of the new. This course is cross-listed with ARTH 345. A student may receive credit for this course from only one program. FALL | WINTER

### **ARTH 255 - Museum Studies—3 hours**

This is a course offered in collaboration with the Hunter Museum of American Art that provides first-hand interaction with museum professionals on topics in public relations, board and executive management, nonprofit development, museum curation, event planning and collections and facilities management. Lab Fee: 8 (\$150). WINTER

### **ARTH 265 - Topics in Art History—1-3 hours**

Selected areas in art history such as museum studies or study tour. FALL | WINTER

### **ARTH 295 - Directed Study—1-3 hours**

This course involves individual or group work adjusted to meet particular needs in Art History. Content is chosen by the faculty adviser and the student. May be repeated.

### **ARTH 318 - Art Appreciation (IN-10) (W)—3 hours**

See ARTH 218 for course description. Lab Fee: 22 (\$1,100). This course is cross-listed with ARTH 218. A student may receive credit for this course from only one program. FALL

### **ARTH 325 - Ancient Through Early Christian Art History (IN-10) (W)—3 hours**

See ARTH 225 for course description. This course is cross-listed with ARTH 225. A student may receive credit for this course from only one program. WINTER

### **ARTH 335 - Medieval, Renaissance, and Late Baroque Art History (IN-10) (W)—3 hours**

See ARTH 235 for course description. This course is cross-listed with ARTH 235. A student may receive credit for this course from only one program. WINTER

### **ARTH 340 - Art History Study Tour—3 hours**

See ARTH 240 for course description. Fees are assessed to cover the expenses of the tour. SUMMER

### **ARTH 345 - Contemporary Art (IN-10) (W)—3 hours**

See ARTH 245 for course description. This course is cross-listed with ARTH 245. A student may receive credit for this course from only one program. FALL | WINTER

### **ARTH 346 - Art Theory, Criticism and the Christian Worldview (W)—3 hours**

An art philosophy course that focuses on providing tools for judging art, based on aesthetics, cognition, and perception. Theories of art will be evaluated, and the differences between secular and Christian worldview discussed. Students will also learn critical writing skills using key terms, analytical lenses, and pertinent frameworks for interpretation of contemporary art and artistic practice in art criticism. Prerequisite(s): ENGL 102, ARTH 345 or ARTH 218 or ARTH 318 FALL

**ARTH 455 - Museum Studies—3 hours**

See ARTH 255 for course description. Lab Fee: 9 (\$180). WINTER

**ARTH 465 - Topics in Art History—1-3 hours**

See ARTH 265 for course description. FALL | WINTER

**ARTH 492 - Art History Internship—3 hours**

Professional work experience in an art museum or art gallery with a minimum of 100 clock hours per credit hour and evaluation by employer. Students will work in any/or all capacities related to curatorial, education, conservation, administration, or library and will be based on their academic training, interests, and the needs of the gallery/museum. FALL | WINTER | SUMMER

**ARTH 495 - Directed Study—1-3 hours**

See ARTH 295 for course description.

**Interactive Media****ARTI 124 - Programming for Artists—3 hours**

This course teaches the fundamentals of programming in a visual context. Students will learn functions, expressions, control statements, object-oriented concepts, events, conditionals, recursion, loops, data types, and arrays. A visual approach to designing algorithms will also be employed for major projects. Previous experience with programming is not required for this course. Lab Fee: 10 (\$210). FALL

**ARTI 223 - Interactive Media I—3 hours**

This course will introduce students to planning and designing websites using HTML and CSS, with an emphasis on accessibility and usability. Additionally, students will learn about site management, graphics optimization, internet history, and the architecture of the World Wide Web. Lab Fee: 14 (\$350). Prerequisite(s): ARTG 115; ARTI 124.

**ARTI 230 - Sound Design—3 hours**

Students will conduct recordings and use digital audio tools to create sound for motion pictures and interactive systems. By integrating visual design with sound theory, students will learn ADR, Foley, effects, mixing techniques, sound management, sampling, and MIDI music creation. Three hour lecture. Lab Fee: 13 (\$325). FALL

**ARTI 265 - Topics in Interactive Media—1-3 hours**

This course is designed to be an access point to a broad variety of subjects in interactive media. The course may be repeated with permission. Lab Fee: 12 (\$300). FALL | WINTER

**ARTI 295 - Directed Study—1-3 hours**

This course involves individual or group work adjusted to meet particular needs in Interactive Media. Content is chosen by the faculty adviser and the student. May be repeated. Lab Fee: 12 (\$300).

**ARTI 324 - Interactive Media—3 hours**

This course introduces students to the process of using HTML and CSS to design, develop, and implement websites, with an emphasis on the creation of effective user experiences. Lectures and demonstrations will focus on implementing standards compliant code, while developing design concepts that are both functionally and aesthetically effective. Readings, exercises, and assignments allow students to explore and learn these concepts. Additionally, students will learn about site management, graphics optimization, and the architecture of the World Wide Web. Lab Fee: 14 (\$350). Prerequisite(s): ARTG 212. FALL

**ARTI 329 - Multimedia—3 hours**

In this course, students learn how to design and develop interactive products and visualizations that incorporate multiple medias, such as sound, text, 2D and 3D assets into a usable experience. Lab Fee: 12 (\$300). Prerequisite(s): AART 108; ARTG 212.

**ARTI 424 - Advanced Interactive Media—3 hours**

This course focuses on the complexities of designing for user experience while integrating the creation and management of dynamic interactive content. Students will develop concepts through research, prototyping, testing, and peer assessment. Conceptual thinking and design aesthetics will be emphasized. Readings, exercises, collaborative work and assignments allow student to explore and learn these concepts. Lab Fee: 14 (\$350). Prerequisite(s): ARTI 324. WINTER

**ARTI 427 - Interactive Video and Sound—3 hours**

Students will explore and express their own audio-visual experiences through interactive video and sound synthesis programming. Five hour studio course. Lab Fee: 12 (\$300). Prerequisite(s): ARTI 230.

**ARTI 432 - 3D Environments—3 hours**

This course teaches students to create interactive audio and visual experiences that are three dimensional with dynamic motion, programmable triggers and events, sound and animation. Five hour studio course. Lab Fee: 12 (\$300). Prerequisite(s): AART 108.

**ARTI 437 - New Media Applications—3 hours**

This course covers historical influences of technology and art in relation to current trends in New Media. Various artists and mediums will be researched for the application of the final project. Three hours of lecture. Lab Fee: 12 (\$300).



**ARTI 440 - Digital Portfolio—3 hours**

This course teaches students to create successful digital portfolios. During the course of study students will learn about interface design, informational architecture, flowcharting, software and hardware constraints, digital publishing, basic scripting, and asset management. Lab Fee: 12 (\$300). Prerequisite(s): Senior status or permission of instructor.

**ARTI 465 - Topics in Interactive Media—1-3 hours**

See ARTI 265 for course description. Lab Fee: 12 (\$300). FALL | WINTER

**ARTI 480 - Self Promotion—1 hour**

Students will prepare for job placement or higher education enrollment by researching specific areas in interactive design. Their portfolio will be refined along with their skills in interviewing, job hunting, and resume writing. Select faculty members will conduct a final review of the student's portfolio and career preparation. Lab Fee: 8 (\$150).

**ARTI 491 - Interactive Media Practicum—1-3 hours**

Students will work the interactive design business for a minimum of 50 clock hours per credit hour with employer evaluation. Students must maintain a log sheet and samples of work. FALL | WINTER | SUMMER

**ARTI 495 - Directed Study—1-3 hours**

See ARTI 295 for course description. FALL | WINTER

**American Sign Language****ASL 101 - American Sign Language I—3 hours**

An introductory class in American Sign Language designed for the student with little or no signing experience. Course focus is on developing beginning sign communication for basic conversational usage. Lab Fee: 3 (\$20). FALL | WINTER

**ASL 102 - American Sign Language II—3 hours**

A continuation of American Sign Language I with an ongoing emphasis on expressive and receptive sign communication development. Further attention is placed on ASL grammar and deaf culture. Students seeking a Bachelor of Arts degree must check with their School/Department prior to taking this course. Lab Fee: 3 (\$20). Prerequisite(s): ASL 101 or equivalent. FALL/WINTER

**ASL 207 - Intermediate American Sign Language I—3 hours**

This course offers practice in conversational ASL with an emphasis on increasing fluency and expressing concepts with appropriate signs. This course includes vocabulary building, finger-spelling drills, grammar instruction, and information regarding the Deaf Culture. Lab Fee: 3 (\$20). Prerequisite(s): ASL 102 or approval of the department. FALL

**ASL 208 - Intermediate American Sign Language II—3 hours**

This course prepares students for advanced levels of conversation with deaf and for entry level interpreting classes. Speed and fluency is emphasized as well as expressing difficult concepts with appropriate signs and finger-spelling. This course includes vocabulary building, finger-spelling drills, grammar instruction, and information of Deaf Culture. Lab Fee: 3 (\$20). Prerequisite(s): ASL 207 or approval of the department. WINTER

**ASL 250 - Deaf Culture—3 hours**

This course would focus on the historical and cultural overview of the American Deaf community. Topics include value systems of education, traditions, folklore, organizations, language, community, and identity as a cultural group. This course includes authentic experiential opportunities. WINTER

**ASL 265 - Topics in American Sign Language—1-3 hours**

Selected topics in American Sign Language presented in a classroom setting. This course may be repeated for credit. FALL | WINTER

**ASL 340 - ASL Linguistics—3 hours**

This course focuses on the unique grammatical components of American Sign Language demonstrating how language functions in a signed format and compares to other signed and spoken languages around the world. Course will assist student to view ASL from a more "informed vantage point." Prerequisite(s): ASL 102.

**ASL 465 - Topics in American Sign Language—1-3 hours**

See ASL 265 for course description. FALL | WINTER

**Biology****BIOL 101 - Anatomy and Physiology (IN-7)—4 hours**

A study of the fundamentals of human anatomy and physiology. This course covers basic cytology, histology, integumentary, musculoskeletal, nervous, and endocrine systems. Does not apply to a major or minor in Biology. Three lectures and one three-hour laboratory period each week. Lab Fee: 7 (\$120). Prerequisite(s): Minimum composite ACT 18, SAT 1290, R-SAT 940, or permission of the department. FALL | WINTER | SUMMER

**BIOL 102 - Anatomy and Physiology—4 hours**

A study of the fundamentals of human anatomy and physiology. This course covers cardiovascular, lymphatic/immunity, respiratory, digestive, urinary, reproductive systems, along with metabolism, genetics, and development. Does not apply to a major or minor in Biology. Three lectures and one three-hour laboratory period each week. Lab Fee: 7 (\$120). Prerequisite(s): BIOL 101. FALL | WINTER

**BIOL 103 - Principles of Biology (IN-7)—3 hours**

A basic general education biology course designed to give the student a modern treatment of the fundamental processes and principles of plant and animal life. Does not apply on a major or minor in Biology. Two lectures and one three-hour laboratory each week. Lab Fee: 5 (\$60). FALL | WINTER

**BIOL 151 - General Biology (IN-7)—4 hours**

This is an introductory course in biology primarily for science majors and pre-professional students. It introduces the student to the scientific method; cell structure and function; cell energetics; Mendelian and molecular genetics; and origins. Three lectures and one three-hour laboratory period each week. Lab Fee: 7 (\$120). Prerequisite(s): Minimum composite ACT 18, SAT 1290, R-SAT 940, or permission of the department. FALL

**BIOL 152 - General Biology (IN-7)—4 hours**

This is an introductory course in biology primarily for science majors and pre-professional students. It introduces the student to the diversity of plant and animal kingdoms, reproductive patterns, anatomy and physiology, and ecology. Three lectures and one three-hour laboratory period each week. Lab Fee: 7 (\$120). Prerequisite(s): Minimum composite ACT 18, SAT 1290, R-SAT 940, or permission of the department. WINTER

**BIOL 225 - Basic Microbiology—4 hours**

A study of the principles of microbiology, disinfection, sterilization, elementary immunology, and microorganisms emphasizing their relationship to health and disease. Does not apply on a major or minor in Biology. Two one and one-half hour lectures and two one and one-half hour laboratory periods each week. Lab Fee: 7 (\$120). Prerequisite(s): BIOL 101 or permission of instructor. FALL | WINTER

**BIOL 252 - Tropical Biology—3 hours**

A general introduction to the tropical habitats of Asia with the plants and animals that inhabit them. Both terrestrial and marine habitats are studied through exploration of volcanoes, nature parks, and a marine preserve. Involves three weeks in tropical Asia. Lab Fee: 33 (\$3000). SUMMER, even years

**BIOL 255 - Introduction to Dentistry—1 hour**

An introduction to the field of dentistry covering basic dental terminology, dental nomenclature, and tooth morphology. Guest lecturers from various dental specialties share perspectives on dentistry as a career as well as giving an overview of the scope of treatment in the specialty. Factors necessary for good personal dental health are emphasized. Laboratory experiences introduce the student to dental waxing procedures as well as to practice manual dexterity carving skills. Lab Fee: 4 (\$30). WINTER

**BIOL 282 - Biological Analysis—3 hours**

An introduction to the principles of experimental design and data analysis in the biological sciences. Topics include the designing of controlled experiments, understanding data and data types, describing central tendency and variability in data, and hypothesis testing using R statistical software. Emphasis is on the proper application of basic statistical tools in the analysis of biological data and the proper reporting of such analysis. E. O. Grundset lecture attendance is required. FALL | WINTER

**BIOL 295 - Directed Study—1-3 hours**

Designed for the individual student or group of students who wish to do independent study in an area of biology not listed in the regular offerings. Content and method of study must be arranged for prior to registration. This course may be repeated for credit. BIOL 495 open to Biology majors or minors only. Prerequisite(s): BIOL 151-BIOL 152.

**BIOL 297 - Research in Biology—1-2 hours**

Individuals gain research experience as they participate in an established research project. Prior to registration, students must contact biology staff members to choose from the available research projects. Students should expect to spend three (1 hour credit) to six hours (2 hours credit) per week assisting in a research project. This course may be repeated up to 4 credits. Prerequisite(s): BIOL 282 and permission of instructor. FALL | WINTER

**BIOL 305 - Proposal Writing (W)—1 hour**

The student will write a research proposal in consultation with a principal investigator (biology professor), and a guidance committee (two additional professors). The proposal will be presented in both written and oral formats. With prior approval and continued involvement of the guidance committee, a student may accomplish these requirements as part of an off-campus research experience. Prerequisite(s): BIOL 282 and permission of instructor. FALL | WINTER

**BIOL 311 - Genetics—4 hours**

A study of heredity as related to man, domestic plants and animals and an investigation of gene structure and function. Three lectures and one three-hour laboratory period each week. Lab Fee: 7 (\$120). Prerequisite(s): BIOL 151 or BIOL 225. FALL

**BIOL 313 - Developmental Biology—3 hours**

An introduction to embryonic development from the formation of germ cells through the maturation of major organs culminating in parturition. Special reference is made to humans. Emphasis is placed on problems of growth, differentiation, and morphogenesis. Laboratory includes microscopic study and experiments with sea urchin, frog, and chick embryos. Two lectures and one three-hour laboratory period each week. Lab Fee: 5 (\$60). Prerequisite(s): BIOL 151 - BIOL 152. WINTER, odd years

**BIOL 314 - Ornithology—3 hours**

A study of the birds and their natural history with an emphasis on bird identification. Major topics covered in lectures are morphology, anatomy, taxonomy, and an introduction to behavior. Laboratory sessions are held on Sunday mornings. The laboratory component consists primarily of bird-watching hikes to learn birds by sight and sound. An extended field trip which applies toward laboratory credit is planned. Two lectures per week. Approximately 50 hours of lab per semester. Lab Fee: 8 (\$150). WINTER

**BIOL 315 - Human Parasitology (W)—3 hours**

A general survey of the more important parasites of man and domestic animals. Two lectures and one three-hour laboratory period each week. Lab Fee: 5 (\$60). Prerequisite(s): BIOL 151 - BIOL 152. FALL

**BIOL 317 - Ecology (SERV-2)—3 hours**

Ecology is a study of the interrelationships of plants, animals and their environment. This course examines these interactions in the context of energy flow, nutrient cycles, limiting factors, succession and population dynamics. Field work introduces various ecological sampling techniques and the student participates in an ecological analysis of various local communities as well as extended field trips. Two lectures and one field trip or three-hour laboratory period each week. Lab Fee: 8 (\$150). Prerequisite(s): BIOL 151 - BIOL 152. FALL

**BIOL 320 - Entomology—3 hours**

A systematic study of the insects of the world considering anatomy, physiology, behavior and relation to humans. In the laboratory, emphasis is placed on identifying local insects and a representative collection is turned in. Short field trips are planned as part of the laboratory work. Two lectures and one three-hour laboratory period each week. Lab Fee: 4 (\$30). Prerequisite(s): BIOL 151 - BIOL 152. FALL, odd years

**BIOL 321 - Field Ecology—3 hours**

This course covers general ecology principles and ecology of a selected field area. Emphasis will be placed on identification of amphibians, reptiles, mammals, birds, insects and plants and their ecological interactions. The course will include time at both Southern and the selected field area. Lab Fee: 33 (\$3,000). SUMMER, odd years

**BIOL 329 - General Microbiology—3 hours**

A general study of bacteria, yeasts, molds and viruses, considering their morphology, physiology, genetics, and methods of control. Study is given in immunology topics: antigen-antibody properties, host-antigen interactions, humoral and cellular immune systems. The importance of microorganisms in environmental and applied fields is considered. Two lectures and one three-hour laboratory period each week. Lab Fee: 5 (\$60). Prerequisite(s): BIOL 151 - BIOL 152. WINTER

**BIOL 333 - Medical Toxicology—3 hours**

A study of medically relevant biological toxins found in the venoms and poisons of plants, animals, and other living organisms. We will focus on the treatment of envenomation; the major families/types of toxins found in snakes, spiders, cnidarians, and insect; their mode of action; and their potential use in drug development. Two lectures and one three hour laboratory per week. Lab Fee: 5 (\$60). Prerequisite(s): BIOL 151 and BIOL 152. FALL, odd years

**BIOL 340 - Immunology—3 hours**

A study of the basic aspects of the human immune system including topics such as antigen and antibody structure and reactions, humoral and cell mediated immunity, hypersensitivity, immune disease and transplantation immunology. Two lectures and one three-hour laboratory period each week. Lab Fee: 7 (\$120). Prerequisite(s): BIOL 151 - BIOL 152. FALL

**BIOL 365 - Topics in Biology (W)—1-3 hours**

Formal course work designed to meet the needs or interests of students in specialty areas of Biology not covered in regular courses. May be repeated in different specialized areas. Lab Fee: 7 (\$120). FALL | WINTER

**BIOL 366 - Rosario Beach Topics in Biology—3.3 hours**

Formal coursework designed to meet the needs or interests in specialty areas of biology not covered in regular courses. These are offered at Rosario Beach Marine Station owned by Walla Walla University. May be repeated in different specialized areas. Lab Fee: Additional fee may be required. SUMMER

**BIOL 375 - Plants in Medicine—3 hours**

This field study of trees and flowering plants emphasizes identification of medically important species. Use of keys, various field and photo collections for identification of plants and the study of selected phytochemicals currently encountered in medicine will be emphasized. Two lectures and one field trip or three-hour laboratory period each week. Lab Fee: 4 (\$30). Prerequisite(s): BIOL 151 - BIOL 152; CHEM 152. FALL

**BIOL 387 - Animal Behavior—3 hours**

The behavior of animals is studied with a focus on both proximate causes (mechanisms) and ultimate causes (survival strategies) of behavior. Special importance is placed on understanding techniques of experimental study and hypothesis testing. Topics covered include: genetic, developmental, and physiological bases of behavior; instinct and learning; communication; habitat selection; feeding, antipredatory, reproductive, and parenting strategies; mating systems, social behavior and human sociobiology. Two lectures plus one three-hour lab each week. Prerequisite(s): BIOL 151 - BIOL 152 or PSYC 122 and PSYC 128. WINTER, even years

**BIOL 412 - Cell and Molecular Biology—4 hours**

This course, designed for advanced Biology and Chemistry majors, deals primarily with cell structure and function. Building on cellular principles learned in BIOL 151 -BIOL 152 and BIOL 311, the student is exposed to methods of cellular and molecular research while learning about the appearance and operation of cellular organelles. The exciting details of cell integration and control provide the framework for this interdisciplinary study. Three lectures and one three-hour laboratory period each week. Lab Fee: 7 (\$120). Prerequisite(s): BIOL 311; CHEM 311. WINTER

**BIOL 415 - Comparative Anatomy—3 hours**

A comparison of the anatomy of the various organ systems of vertebrates. The dogfish shark, mud puppy, cat, and/or fetal pig are used for laboratory study. Two lectures and laboratory period each week. WINTER

**BIOL 416 - Human Anatomy—3 hours**

An introductory study of human anatomy with an emphasis on the skeletal, muscular, nervous, and circulatory systems. One lecture and two three-hour laboratory periods each week. Lab Fee: 12 (\$300). Prerequisite(s): Senior standing. WINTER

**BIOL 417 - Animal Histology—3 hours**

A descriptive study of normal tissues, primarily those of man. The microscopic identification and characteristics of stained sections are emphasized in the laboratory. Two lectures and one three-hour laboratory period each week. Lab Fee: 4 (\$30). Prerequisite(s): BIOL 151 - BIOL 152. WINTER

**BIOL 418 - Animal Physiology—3 hours**

Functional processes used by animals in adjusting to their external environment and controlling their internal environment. Laboratories involve analysis of functions of major organ systems. Three lectures and one three-hour laboratory period each week. Lab Fee: 7 (\$120). Prerequisite(s): BIOL 151 - BIOL 152; CHEM 151 - CHEM 152 or BIOL 101 - BIOL 102. FALL

**BIOL 421 - Issues in Science and Society (W)—3 hours**

A study of the philosophical basis of modern natural science as it relates to current issues in origins, biotechnology, bioethics, and environmental responsibility. Special attention is given to Christian perspectives of the issues discussed. This is a writing class and enrollment is limited. Seniors will be given preference. BIOL 421/RELT 421 will not count toward a biology major or minor. This course is cross-listed with RELT 421, School of Religion. A student may receive credit for this course from only one program. FALL | WINTER

**BIOL 424 - Issues of Natural Science and Religion (W)—3 hours**

A study of the scientific, philosophical and religious basis of modern science as it relates to issues in origins and speciation. The course will involve a comparison of the data related to various theories on the origin and history of living organisms based upon current knowledge in biology, paleontology, genetics, and other related areas. Special consideration will be given to Christian perspectives of the issues discussed. Recommended for the junior year. Three lectures each week. FALL | WINTER

**BIOL 458 - Ecotoxicology—3 hours**

Introduces the fundamentals of toxicology: harmful properties of chemicals, routes of exposure, factors that influence toxicity, targets of toxicity, and experimental methods. The class then focuses on how toxicants affect individuals, communities, populations, ecosystems, mass animal die offs, and animal development. Lab Fee: 7 (\$120). Prerequisite(s): BIOL 151 - BIOL 152. WINTER

**BIOL 476 - Research in Biology—1-2 hours**

This course is designed for biology students conducting original research previously designed in BIOL 305. This course may be repeated up to 4 credits. Prerequisite(s): BIOL 282, BIOL 305, permission of instructor, and approved proposal. FALL | WINTER

**BIOL 495 - Directed Study—1-3 hours**

See BIOL 295 for course description. Prerequisite(s): BIOL 151 - BIOL 152.

**BIOL 496 - Senior Thesis (W)—1 hour**

This course is designed to help students develop a publishable-quality research paper. Instruction consists of writing techniques and guidance in completing the research project. Students will give several oral progress reports, a final presentation at a Biology Research Symposium, and a completed Senior Thesis. This course may be repeated up to 2 credits. Prerequisite(s): BIOL 476 and permission of instructor. FALL | WINTER

**Marketing****BMKT 265 - Topics in Marketing—1-3 hours**

Selected topics designed to meet the needs or interests of students in specialty areas of business and management. This course may be repeated for credit with permission. Prerequisite(s): Permission of the instructor. FALL | WINTER

**BMKT 292 - Sales Internship—3 hours**

This course is designed primarily for students seeking an AS degree in Personal Selling. Students obtain on-the-job experience working under supervision either in direct selling or at a wholesaler, retailer, or company sales department on a full-time basis. A minimum of 100 clock hours of work experience is required for each semester hour of credit. (Note: A maximum of 3 credit hours of internship may apply in an AS degree.) FALL | WINTER | SUMMER

**BMKT 295 - Directed Study—1-3 hours**

A directed study involves individualized research into a selected topic chosen by the faculty adviser and the student. Prerequisite(s): Approval of the Dean of the School.

**BMKT 326 - Principles of Marketing—3 hours**

A study of customer relationship management and the functions of marketing, including product, price, place, and promotion as they relate to consumers. FALL | WINTER

**BMKT 327 - Consumer Behavior—3 hours**

An analysis of the consumer decision-making process where behavioral science is combined with marketing theory to enable the marketer to understand and predict consumer behavior in the various stages of the buying decision. Prerequisite(s): BMKT 326. WINTER

**BMKT 328 - Sales Management—3 hours**

An examination of the basic sales processes necessary to achieve organizational objectives and the professional techniques used in the management of the sales force ranging from planning-recruiting to day-to-day management. Prerequisite(s): BMKT 326 or permission of instructor. FALL, even years

**BMKT 345 - Digital Marketing—3 hours**

This course focuses on the technologies marketers use to implement strategic digital marketing programs with particular emphasis on the use of social media, content development, effective use of search engines as well as email and mobile marketing. Students will learn fundamentals of the cutting edge technology marketers utilize to develop effective online and mobile marketing campaigns. FALL

**BMKT 375 - International Marketing—3 hours**

An exploration of the rapidly expanding world of international marketing. Topics include joint ventures, partnerships, direct exporting, foreign subsidiaries, licensing, contract manufacturing, and direct investment. Doing business across cultural and national boundaries are examined in depth to gain an understanding of the nuances necessary to be successful with an international marketing venture. Prerequisite(s): BMKT 326. FALL

**BMKT 410 - Service Marketing—3 hours**

A study of the knowledge needed to implement strategies for quality service to provide companies a competitive advantage. The customer-focused management model includes strategies for increasing customer satisfaction and retention through the design and implementation of service strategies. Topics include customer expectations, service development and design, service delivery, management and measurement of service quality, service recovery, and the financial effect of service strategies. Prerequisite(s): BMKT 326. WINTER, odd years

**BMKT 423 - Principles of Integrated Marketing Communication (SERV-2)—3 hours**

An analysis of integrated marketing communications, with an emphasis on the role of advertising, promotion, direct marketing, and public relations. Topics include setting advertising objectives and budget, media strategy, creative strategy, and evaluating promotional effectiveness. Focus is on the design and management of a complete promotional strategy for an organization. Prerequisite(s): BMKT 326. WINTER, even years

**BMKT 424 - Marketing Strategy—3 hours**

A case study approach to the solving of major marketing problems of various organizations and the ability to formulate appropriate strategies in responding to the presented case problems. Lab Fee: 2 (\$15). Prerequisite(s): BMKT 326. WINTER

**BMKT 465 - Topics in Marketing—1-3 hours**

See course BMKT 265 for course description. Prerequisite(s): Permission of the instructor. FALL | WINTER

**BMKT 491 - Marketing Practicum—0-3 hours hours**

A practicum consists of supervised volunteer/work experience in related fields of management on a part-time basis. The work may be done at various job sites. A minimum of 50 clock hours of work experience is required for each semester hour of credit. Students choosing 0 hours will receive a grade of pass/fail. (Note: A maximum of 3 credit hours of practicum and/or internship may apply as an elective in the major.) Prerequisite(s): Junior or senior status and permission of a supervising professor. (Registration for this course and an agreement with a supervising professor must be completed prior to beginning the work experience). FALL | WINTER | SUMMER

**BMKT 493 - Marketing Internship—0-3 hours hours**

Students obtain on-the-job experience working under supervision at an ad agency, marketing department, marketing research company, wholesaler, retailer, or company sales department on a full-time basis. All hours must be completed on one job site. A minimum of 100 clock hours of work experience is required for each semester hour of credit. Students choosing 0 hours will receive a grade of pass/fail. FALL | WINTER | SUMMER

**BMKT 495 - Directed Study—1-3 hours**

See BMKT 295 for course description. Prerequisite(s): Approval of the Dean of the School.

**BMKT 497 - Marketing Research—3 hours**

A study of the role of research in marketing decision-making; research design, implementation, and analysis and interpretation of research findings. Students will do research for a real business organization, concluding with a research and marketing recommendation report to the sponsoring organization. Prerequisite(s): BMKT 326; MATH 215. WINTER

## Broadcasting

### **BRDC 127 - Introduction to Digital Storytelling—3 hours**

Presents the fundamentals of shooting and editing video and still photographs, as well as recording audio. Students will learn basic principles and aesthetics of using digital cameras and sound equipment purposefully to tell stories that inform, promote, or inspire, laying a foundation for later coursework refining and applying these skills. Students supply their own digital SLR camera with HD video shooting capabilities and a tripod with a pan fluid head. A limited supply of digital SLRs and tripods is available for \$150 rental fee. Lab Fee: 11 (\$240). FALL | WINTER

### **BRDC 201 - Introduction to Digital Media—3 hours**

Explores the business of media production, reviewing its history and analyzing the current practices on film, radio, TV, and internet-based platforms. The course examines how political and regulatory bodies impact digital media and its ethical and cultural effects. Students will be exposed to different media organizations to enhance learning. WINTER

### **BRDC 202 - Digital Audio Production—3 hours**

An introduction to audio production, including use of microphones, digital media, non-linear audio editing, recording, mixing, and post-production. Oral communication emphasis includes instruction on announcing, interviewing, and other broadcast techniques. Lab Fee: 11 (\$240). WINTER

### **BRDC 225 - Studio and Event Production—3 hours**

An introduction to the basics of producing multi-camera programs in studio and on location. Students will work as a crew, learning and experimenting different roles in production. Lab Fee: 11 (\$240). FALL, odd years

### **BRDC 245 - Senior Project—1 hour**

This student-selected, School-approved project demonstrates the student's ability to perform in his/her major field. Students in this course meet with their supervising professor as needed. A written proposal for a project must be submitted to the advising professor by three weeks into the term. Lab Fee: 6 (\$90). Prerequisite(s): Senior standing. FALL | WINTER

### **BRDC 265 - Topics in Broadcasting—1-3 hours**

Selected topics in broadcast and related areas presented in a classroom setting. This course may be repeated for credit. FALL | WINTER

### **BRDC 291 - Practicum—1-3 hours**

Supervised work in a broadcast station or media production environment. At least 90 clock hours of work experience are required for each semester hour of credit. Procedures and guidelines are available from the School. Retroactive credit is not available. Prerequisite(s): Consent of instructor before arranging for practicum. FALL | WINTER | SUMMER

### **BRDC 295 - Directed Study—1-3 hours**

For students who want to do independent research and/or media production. Directed study topics will be selected with guidance from the instructor who will serve as a consultant to the student in carrying out the project.

### **BRDC 314 - Broadcast News Writing (W)—3 hours**

Gathering information, interviewing, writing, and editing for the broadcast media. How to start, develop, and polish hard news and feature stories by writing to sound and pictures. Students write, copy, and produce sound documentaries. Lab Fee: 8 (\$150). Prerequisite(s): BRDC 202; JOUR 205. FALL, even years

### **BRDC 315 - Scriptwriting (W)—3 hours**

This course provides an introduction to scriptwriting in a variety of forms. Students will be introduced to and get experience in the style and preparation of scripts for television, corporate video production, documentary and narrative film, motion pictures, animation, radio, and stage plays. FALL

### **BRDC 327 - Advanced Digital Storytelling—3 hours**

An advanced storytelling class with a focus on single-camera field production. Students will write, produce, shoot, and edit video projects, including TV news reporting, human interest profile, and corporate videos. Lab Fee: 11 (\$240). Prerequisite(s): BRDC 127. WINTER, odd years

### **BRDC 391 - Practicum—1-3 hours**

See BRDC 291 for course description. Prerequisite(s): Consent of instructor before arranging for practicum. FALL | WINTER | PRACTICUM

### **BRDC 417 - Media Management and Ministry—3 hours**

An analysis of the challenges and management practices involved in planning and operating a media organization. Special emphasis is given to media ministry, content production, business ethics, community relations, sales, FCC policies, promotion and content distribution. Students interact with media managers from different platforms, visit network stations, and develop a project proposal for a specific media market. Prerequisite(s): BRDC 201. WINTER, odd years

### **BRDC 442 - Television and News Production—3 hours**

Capstone course that demonstrates the student's knowledge and abilities in video production and storytelling. Students will be part of a media production team for a major media project during the semester. In addition, each student is required to create an online resume reel essential for getting a first job. Emphasis is on visual storytelling and performance skills. Includes lectures and one three-hour lab per week. Includes lectures and one three-hour lab per week. Lab Fee: 11 (\$240). Prerequisite(s): BRDC 225. WINTER, even years



**BRDC 445 - Senior Project—1 hour**

See BRDC 245 for course description. Lab Fee: 6 (\$90). Prerequisite(s): Senior standing. FALL | WINTER

**BRDC 465 - Topics in Broadcasting—1-3 hours**

See BRDC 265 for course description. FALL | WINTER

**BRDC 493 - Broadcast/Media Production Internship—1-3 hours**

Students work at a broadcast station or media production facility to obtain on-the-job experience, preferably during an 8 to 12 week period the summer between the junior and senior year when no other college course is taken. At least 300 clock hours of work experience are required. Procedures and guidelines are available from the School. Retroactive credit is not available. Prerequisite(s): Completion of half the requirements for a major or minor in broadcast journalism or media production and School approval before arranging for internship. FALL | WINTER | SUMMER

**BRDC 495 - Directed Study—1-3 hours**

See BRDC 295 for course description.

**Business Administration****BUAD 103 - Trial Advocacy Basics—1 hour**

This course will familiarize students with basic concepts of law, educate them about the American justice system and teach them effective trial advocacy techniques. The course is ideal for students competing in mock trial program. However, no prior mock trial or public speaking experience is necessary. All students will learn about persuasive oral presentation, thinking on their feet, legal analysis, and public speaking. SUMMER

**BUAD 126 - Introduction to Business (IN-9)—3 hours**

A course designed to provide a basic understanding of the American business system and free enterprise concepts. Business practices, business terminology and contemporary business issues are covered. Students who have 18 or more hours of credit in business courses are ineligible to take this course for credit. FALL | WINTER

**BUAD 128 - Personal Finance (IN-9)—3 hours**

A course in basic economic concepts and business terminology and practices designed to provide the techniques to manage personal finances. Budgeting, consumerism, insurance, home ownership, and investments are included in the topics covered. FALL | WINTER | SUMMER

**BUAD 201 - Business Major Qualification—0 hours hours**

This pass-fail class assesses a student's readiness to gain School acceptance as a Business major, and is normally taken during the first semester of the sophomore year. Coursework includes meeting with the student's adviser, presenting a record of success of a minimum grade of C in ACCT 222, ENGL 102, and MATH 215 and induction into the School of Business by participating in the School of Business induction ceremony. Although the School of Business dean is instructor of record, the adviser works directly with the student, and the school as a whole conducts the final evaluation to determine the student's grade. To pursue a Business major, a student must first receive a Pass in this course. Prerequisite(s): ACCT 222; ENGL 102; MATH 215. FALL | WINTER

**BUAD 217 - Business-Computer Concepts and Applications—3 hours**

This course examines current computer-based technologies as effective tools to facilitate problem-solving and decision-making in business contexts. Students will be exposed to issues involving the professional, ethical, legal, and social use of technology and the Internet. Students gain hands-on experience using and managing office applications including word processing, spreadsheets, database, and other document management software. Lab Fee: 6 (\$90). FALL | WINTER

**BUAD 221 - Business Statistics—3 hours**

The emphasis is on applied statistics as a tool for management decision-making. Topics include: descriptive statistics, elementary probability, sampling, hypothesis testing, inferences, correlation and regression, time series analysis, forecasting, variance analysis, and decision theory. FALL | WINTER

**BUAD 233 - Introduction to the Nonprofit Sector (SERV-2)—3 hours**

This course offers the student an overview of the development and current status of the nonprofit sector in the United States with specific focus on youth and human service agencies. Students will study the unique philosophical, financial, and administrative qualities of this rapidly growing sector of society, as they observe and assess local nonprofit agencies at work. FALL

**BUAD 265 - Topics in Business—1-3 hours**

Selected topics designed to meet the needs or interests of students in specialty areas of business and management. This course may be repeated for credit with permission. Prerequisite(s): Permission of the instructor. FALL | WINTER

**BUAD 288 - Seminar in Business Administration—1 hour**

Includes the Eugene Anderson Lecture Series in business. Top men and women in their field present lectures in insurance, real estate, finance, retailing, production management. Attendance at ten lectures is required. This course may be repeated for credit. WINTER

**BUAD 294 - Business Administration International Study Tour—1-3 hours**

A trip designed to acquaint the student with important international business centers and facilities along with cultural experiences unique to the country. Various types of organizations will be visited such as financial, manufacturing, merchandising, educational, and cultural organizations. Lab Fee: 31 (\$2000). An additional fee may be required to cover additional travel expenses. This course is cross-listed with BUAD 494. A student may receive credit for this course from only one program. SUMMER

**BUAD 295 - Directed Study—1-3 hours**

A directed study involves individualized research into a selected topic chosen by the faculty adviser and the student. Prerequisite(s): Approval of the Dean of the School. FALL | WINTER

**BUAD 296 - Business Administration Study Tour—1 hour**

A trip designed to acquaint the student with important large business centers and facilities. Focus will be on financial, merchandising, advertising, and cultural organizations. Lab Fee: 22 (\$1,100). An additional fee may be required to cover additional travel expenses. FALL

**BUAD 305 - Introduction to Business Analytics—3 hours**

The course is an introduction to exploring and modeling large amounts of data to uncover previously unknown patterns. It includes the process of formulating, developing, analyzing and interpreting models for the purpose of visualizing and communicating information for problem-solving and decision-making in areas such as finance, operations, marketing, retail, health care, insurance, supply chain networks, etc. Topics include: regression scenario analysis; decision making analysis; optimization and linear programming; forecasting models; sensitivity analysis; scenario analysis; project management; and others. Lab Fee: 6 (\$90). Prerequisite(s): BUAD 217; MATH 215. FALL

**BUAD 312 - Professional Communication and Leadership—3 hours**

This course develops proficiency in written and oral communication that creates clear understanding in professional contexts with attention to developing and delivering strong presentations; the theory and practice of group dynamics and processes and effective leadership skills. This course is cross-listed with COMM 312. A student may receive credit for this course from only one program. Prerequisite(s): COMM 135; ENGL 102. FALL | WINTER

**BUAD 339 - Business Law—3 hours**

This course examines the nature, function and ethical issues of United States law and international treaties governing business transactions, corporate formations, agency, employment, negotiable instruments, property, basic tort and product liability issues. Special emphasis will be given to contract law and the application of the uniform commercial code governing sales and contract formation and enforcement. In addition to providing a basic understanding of business law this course is designed to prepare the student for the law component of the uniform certified public accountants examination and to provide a foundation for those students who wish to advance to law school. FALL | WINTER

**BUAD 358 - Ethical, Social, and Legal Environment of Business (W)—3 hours**

A study of how business should operate within the ethical, social, legal, and political environment, and how individuals in leadership should relate to various social and ethical problems. Lab Fee: 5 (\$60). FALL | WINTER

**BUAD 412 - Preparing to Meet the Firms—1 hour**

This seminar course provides opportunities to interact with guest lecturers and professors across disciplines. It provides students with necessary tools to actively pursue and acquire internships and jobs. This course is cross-listed with NURS 412. A student may receive credit for this course from only one program. FALL | WINTER

**BUAD 465 - Topics in Business—1-3 hours**

See BUAD 265 for course description. Prerequisite(s): Permission of the instructor. FALL | WINTER

**BUAD 485 - Missional Business—3 hours**

A study of the theory and practice of initiating, adapting, and/or operating a business venture as a missional organization with the purpose of bringing transformation to communities and building God's Kingdom on earth through business. Business in the ministry of reconciliation and transformation along the four dimensions of economic, social, environmental, and spiritual are explored. This course is cross-listed with BUAD 585. A student may receive credit for this course from only one program.

**BUAD 488 - Seminar in Business Administration—1 hour**

See BUAD 288 for course description. WINTER

**BUAD 490 - International Semester—0 hours hours**

Lab fee for the international semester abroad. Lab Fee: 12 (\$300). FALL | WINTER

**BUAD 491 - Business Practicum—0-3 hours hours**

A practicum consists of supervised volunteer/work experience in related fields of accounting on a part-time basis. The work may be done at various job sites. Students choosing 0 hours will receive a grade of pass/fail. A minimum of 50 clock hours of work experience is required for each semester hour of credit. (Note: A maximum of 3 credit hours of practicum and/or internship may apply as an elective in the major.) Prerequisite(s): Junior or senior status and permission of a supervising professor. (Registration for this course and an agreement with a supervising professor must be completed prior to beginning the work experience). FALL | WINTER | SUMMER



**BUAD 492 - Business Internship—0-3 hours**

An internship consists of on-the-job experience working under supervision on a full-time basis. All hours must be completed on one job site. Students choosing 0 hours will receive a grade of pass/fail. A minimum of 100 clock hours of work experience is required for each semester hour of credit. (Note: A maximum of 3 credit hours of practicum and/or internship may apply as an elective in the major.) Prerequisite(s): Junior or senior status and permission of a supervising professor. (Registration for this course and an agreement with a supervising professor must be completed prior to beginning the work experience). FALL | WINTER | SUMMER

**BUAD 493 - International Business Communications (W)—3 hours**

Provides students with a theoretical and practical framework for understanding and conducting effective oral and written communication in an international business environment. Special emphasis on business letter writing, report development, presentation delivery, resume writing, and interviewing skills within a multicultural context (face-saving, team decisions, non-verbal communication and related language issues, geography, religion, education, history, and politics). This course may substitute for the required business core class BUAD 312. Prerequisite(s): COMM 135; ENGL 101 - ENGL 102. FALL | WINTER

**BUAD 494 - Business Administration International Study Tour—1-3 hours**

See BUAD 294 for course description. Lab Fee: 31 (\$2000). This course is cross-listed with BUAD 294. A student may receive credit for this course from only one program. SUMMER

**BUAD 495 - Directed Study—1-3 hours**

See BUAD 295 for course description. Prerequisite(s): Approval of the Dean of the School. FALL | WINTER

**BUAD 496 - Business Administration Study Tour—1 hour**

See BUAD 296 for course description. Lab Fee: 22 (\$1,100). FALL

**BUAD 497 - Business Research—3 hours**

This course permits students to apply principles of research and statistical analysis of data leading to the completion of a research project. This course is cross-listed with COMM 397. A student may receive credit for this course from only one program. Prerequisite(s): MATH 215; MGNT 334. FALL | WINTER

**Chemistry****CHEM 107 - Chemistry of Everyday Life (IN-7)—3 hours**

An introductory course that uses a "hands-on" approach to teach the basic principles of chemistry (including the use of basic scientific instruments) applied to everyday life. Topics may include forensic science, household chemicals, drugs (prescription, over-the-counter, or illicit), hazards and risks, food chemistry, polymers, and cosmetics. This course does not apply to a major or minor in Chemistry. Prerequisite(s): A minimum Mathematics ACT score of 17, SAT score of 470, R-SAT score of 460 or a minimum grade of "C" in MATH 117. FALL | WINTER

**CHEM 119 - Introductory Chemistry—4 hours**

A survey course designed to familiarize the student with the basic principles of inorganic chemistry. Does not apply to a major or minor in Chemistry. Three hours of lecture and two and one-half hours of laboratory each week. Lab Fee: 1 (\$10). Prerequisite(s): A minimum Mathematics ACT score of 17, SAT Math score of 470, R-SAT score of 460, or a minimum grade of "C" in MATH 117. FALL

**CHEM 120 - Survey of Health Chemistry—3 hours**

A survey course designed to familiarize the student with basic principles of chemistry, with emphasis on the organic chemistry and biochemistry needed to understand health-related topics including metabolism, physiology, and disease. Does not apply to a major or minor in chemistry. Three hours of lecture each week. Lab Fee: 1 (\$10). Prerequisite(s): Minimum composite ACT score of 18, SAT score of 1290, R-SAT score of 940, or CHEM 119 with a grade of C- or higher. FALL | WINTER | SUMMER

**CHEM 121 - Survey of Health Chemistry Laboratory—1 hour**

Laboratory material designed to illustrate the material in CHEM 120. Does not apply to a major or minor in Chemistry. Two and one-half hours of laboratory each week. Lab Fee: 1 (\$10). WINTER

**CHEM 151 - General Chemistry (IN-7)—4 hours**

CHEM 151 is the first portion of a two-semester course that is an introduction to the fundamental laws and accepted theories of chemistry. Areas to be studied include stoichiometry, atomic and molecular structure and bonding, states of matter, and thermochemistry. It is expected that students will have successfully completed a high school chemistry course or CHEM 119 before enrolling in CHEM 151. Three hours of lecture, one hour of recitation, and three hours of laboratory each week. Lab Fee: 1 (\$10). Prerequisite(s): A minimum Mathematics ACT score of 19, SAT score of 460, R-SAT score of 500, or a minimum grade of "C" in MATH 117. FALL | WINTER

**CHEM 152 - General Chemistry—4 hours**

CHEM 152 is the second portion of a two-semester course that continues the introduction to the fundamental laws and accepted theories of chemistry. Areas to be studied include chemical equilibrium, kinetics, thermodynamics, acids and bases, oxidation-reduction and electrochemistry, descriptive chemistry, and nuclear chemistry. Three hours of lecture, one hour of recitation, and three hours of laboratory each week. Lab Fee: 1 (\$10). Prerequisite(s): Completion of CHEM 151 with a grade of C- or higher. WINTER

**CHEM 205 - Tutoring Chemistry (SERV-2)—1 hour**

In this course, students will gain knowledge of current research that provides information about learning and learning styles. They will learn and demonstrate good pedagogical tools that promote learning in chemistry. They will be trained with effective one on one teaching methodologies such as Socratic dialogue, concept modeling and scaffolding. They will also be instructed in methods that will help identify common chemical misconceptions that cause the learner difficulty with chemistry. Active tutoring, totaling 15 hours during the semester, will allow the tutors to use the identification tools and instructional methods mastered so that they can become adept at working with all types of learners and subject material. This service learning training equips each student with lifelong tools that may be used to provide community service as an effective tutor. Prerequisite(s): Completion of CHEM 152 with a grade of B or higher or permission of instructor. FALL | WINTER

**CHEM 295 - Directed Study—1-3 hours**

A course emphasizing individual directed study by a student who wishes to explore an area of chemistry not listed in the regular course offerings. Prerequisite(s): Successful completion of CHEM 152.

**CHEM 311 - Organic Chemistry—4 hours**

CHEM 311 is the first portion of a two-semester course designed to provide the student with a comprehensive introduction to the fundamental principles of organic chemistry and the behavior of organic molecules. It introduces organic molecules and functional groups, the tools used to purify and structurally characterize these molecules, the chemical principles governing their stability and reactivity, and the application of these principles to organic synthesis. The laboratory portion of the course provides practical experience in the application of this knowledge and develops the basic laboratory techniques essential for the synthesis and purification of organic compounds. Three hours of lecture, one hour of recitation, and three hours of laboratory each week. Lab Fee: 4 (\$30). Prerequisite(s): Completion of CHEM 152 with a grade of C- or higher. FALL

**CHEM 312 - Organic Chemistry—4 hours**

CHEM 312 is the second portion of a two-semester course designed to provide the student with a comprehensive introduction to the fundamental principles of organic chemistry and the behavior of organic molecules. The main topics covered are UV-Vis and mass spectrometry; aromatic compounds and their substitution reactions; additions to and substitutions at the carbonyl functionality; enolates and other carbon nucleophiles; chemistry of organic radicals; pericyclic reactions; and carbohydrates and amino acids. The laboratory portion of the course provides practical experience in the application of this knowledge and develops the basic laboratory techniques essential for the synthesis and purification of organic compounds. Three hours of lecture, one hour of recitation, and three hours of laboratory each week. Lab Fee: 4 (\$30). Prerequisite(s): Completion of CHEM 311 with a grade of C- or higher. WINTER

**CHEM 315 - Quantitative Analysis—4 hours**

A study of equilibria as it applies to analytical chemistry. Techniques of determinations, sampling, handling of data, and the detailed chemistry involved are studied in terms of quantitative determinations. Three hours of lecture and four hours of laboratory each week. Lab Fee: 5 (\$60). Prerequisite(s): Completion of CHEM 152 with a grade of C- or higher. WINTER

**CHEM 321 - Instrumental Analysis—4 hours**

A study of the theories, techniques, and instruments involved in spectrometry, chromatography, and electrochemistry. Three hours of lecture and four hours of laboratory each week. Prerequisite(s): Completion of CHEM 315 with a grade of C- or higher. FALL, even years

**CHEM 361 - Biochemistry I—4 hours**

A study of the basic principles of the chemistry of living organisms. Topics presented include the structure, properties, and functions of carbohydrates, lipids, nucleic acids, and proteins; an introduction to bioenergetics; enzyme kinetics and mechanisms; and carbohydrate, lipid, and energy metabolism. Four hours of lecture each week. Lab Fee: 3 (\$20). Prerequisite(s): Completion of CHEM 312 and BIOL 151 with a grade of C- or higher or consent of instructor. FALL

**CHEM 362 - Biochemistry II—3 hours**

A continued study of the basic principles of the chemistry of living organisms. Topics presented include photosynthesis, protein and nucleic acid metabolism, and information pathways. Three hours of lecture each week. Lab Fee: 3 (\$20). Prerequisite(s): Completion of CHEM 361 with a grade of C- or higher. WINTER

**CHEM 363 - Biochemistry Laboratory—1 hour**

An introduction to the fundamental techniques used in the study of biochemical systems, including the separation and analysis of biological molecules, enzyme kinetics, and metabolism studies. Requires computer data analysis. Four hours of laboratory each week. Lab Fee: 3 (\$20). Prerequisite(s): Completion of CHEM 315 and CHEM 361 with a grade of C- or higher. WINTER

**CHEM 385 - Chemistry Seminar—1 hour**

An introduction to the use of chemical literature as a source of information and the techniques involved in making scientific presentations. Oral and written presentations are made on specific topics in chemistry. These presentations must utilize Power Point and word processing skills. It is recommended that this course be taken in the junior year, prior to taking CHEM 496. Prerequisite(s): Completion of CHEM 312 and COMM 135 with a grade of C- or higher. WINTER

**CHEM 411 - Physical Chemistry I (W)—4 hours**

A study of the fundamental concepts of chemical thermodynamics, chemical equilibria, properties of pure substances and mixtures, phase changes, kinetic theory, reaction kinetics, and dynamics. May also include an introduction to quantum mechanics. Three hours of lecture and four hours of laboratory each week. Prerequisite(s): Completion of CHEM 152, MATH 191; PHYS 212 or PHYS 222 with a grade of C- or higher. FALL

**CHEM 415 - Physical Chemistry II—3 hours**

A study of quantum chemistry. Areas to be studied include: wave mechanics, boundary problems, the Schrodinger equation and its solution for one electron atoms and extension to multi-electron systems, chemical bonding, and atomic and molecular spectroscopy. Three hours of lecture each week. Prerequisite(s): Completion of CHEM 152, MATH 315; PHYS 212 or PHYS 222 with a grade of C- or higher. WINTER, even years

**CHEM 425 - Advanced Organic Chemistry—3 hours**

This course offers a more in-depth study of topics in organic chemistry. The student will learn name reactions used in organic research, demonstrate excellence in proposing reaction mechanisms, design synthetic routes for target organic compounds; apply knowledge of organic chemistry to real life situations, learn to do literature searches; and use critical thinking skills to solve problems independently. Prerequisite(s): Completion of CHEM 312 with a grade of C- or higher. WINTER, odd years

**CHEM 435 - Inorganic Chemistry—4 hours**

A study of structures and chemical properties of inorganic compounds. Particular focus is placed on the description of chemical bonds between elements, the effects of bond properties on the structures, reactivity, and characterization of these compounds, and the periodic trends observed in the properties of the elements. Three hours of lecture and four hours of laboratory each week. Prerequisite(s): Completion of CHEM 312 with a grade of C- or higher; completion of CHEM 411 is recommended. WINTER, even years

**CHEM 465 - Topics in Chemistry—1-4 hours**

Selected topics presented in a formal classroom setting in specialty areas of chemistry not covered in regular courses. May be repeated for credit for different topics. FALL | WINTER

**CHEM 495 - Directed Study—1-3 hours**

See CHEM 295 for course description. Prerequisite(s): Completion of CHEM 152 with a grade of C- or higher.

**CHEM 496 - Introduction to Research (W)—1 hour**

An introduction to the design, conduct, and publication of research in chemistry under the direction of chemistry faculty. Topics covered include literature searches, identification of suitable research topics, experimental design, working as part of a research group, the formal, professional presentation and publication of research results. One hour of lecture each week. Prerequisite(s): Junior or senior chemistry major who has successfully completed CHEM 312 and CHEM 315 with a grade of C- or higher. Corequisite(s): CHEM 498. FALL | WINTER

**CHEM 498 - Research in Chemistry—1-2 hours**

Individual or group research under the direction of the chemistry faculty. Four hours of laboratory each week for each hour of credit. May be repeated for credit up to a maximum of two credits. Lab Fee: 4 (\$30). Pre- or Co-requisite: CHEM 496. FALL | WINTER

**Communication****COMM 103 - Introduction to Mass Communication—3 hours**

Overview of the development and characteristics of mass media, with emphasis on media in the United States including newspapers, radio, television, photography, film, sound recording, books, magazines, advertising, public relations, and social media. Attention is given to theories of communication and how to be a critical and discriminating consumer of mass media. FALL

**COMM 135 - Communication and Public Speaking (IN-3)—3 hours**

This course introduces students to the ways communication affects and relates to our everyday lives. Students will acquire theory and develop skills in preparing, presenting, and critically consuming messages in one-on-one, small group, and public speaking contexts. FALL | WINTER | SUMMER

**COMM 145 - H:Communication and Public Speaking (IN-3)—3 hours**

This course is required for Southern Scholars. It is a more rigorous version of COMM 135, emphasizing rhetorical theory and implications of communicative practices. Like COMM 135, this course introduces students to the ways communication affects and relates to our everyday lives. Students will acquire theory and develop skills in preparing, presenting, and critically consuming messages in one-on-one, small group, and public speaking contexts. WINTER

**COMM 200 - Christian Service in Journalism and Communication (SERV-2)—0 hours hours**

This course provides students the option to complete a service project coordinating through the School of Journalism and Communication.

**COMM 210 - Comm Convention/Study Tour—0-6 hours**

Students attend a conference or participate in a study tour designed to enrich their educational experience and promote effectiveness and job preparedness within their field of study. Requirements include attendance and maintaining a log of resulting reflections/learning experiences. Lab fees based on destination. Lab Fee: Lab fee based on destination. Prerequisite(s): Permission of instructor. FALL | WINTER

**COMM 230 - Introduction to Acting—3 hours**

This introductory level course is designed to present fundamental acting techniques to students unfamiliar with the theater. In addition, the student will gain a better understanding of theater as an art form, as well as learn the basic vocabulary specific to theater and acting. FALL | WINTER

**COMM 240 - Communication Theory—3 hours**

This course offers the conceptual foundation for studying human communication. It offers a survey of the major theories of communication and rhetoric. FALL, odd years

**COMM 242 - Introduction to Web Design—3 hours**

This course introduces the student to Web design and content creation in both theory and technique. Students will learn how to use this medium effectively as well as learn how it differs from other more traditional media. In addition to learning basic design elements and Web writing, students will be introduced to HTML and CSS Web page creation utilizing industry standard design and coding tools. Lab Fee: 8 (\$150). Prerequisite(s): JOUR 208 or CPTR 108. FALL | WINTER

**COMM 265 - Topics—0-3 hours hours**

Selected topics in speech and related areas presented in a classroom setting. Subjects covered will determine general education credit status. This course may be repeated for credit. FALL | WINTER

**COMM 291 - Communication Practicum—1-3 hours**

Supervised work experience in communication. At least 90 clock hours of work experience are required for each semester hour of credit. Work experience may be completed in the United States or overseas. Procedures and guidelines are available from the School. Prerequisite(s): Consent of instructor before arranging for practicum. FALL | WINTER | SUMMER

**COMM 295 - Directed Study—1-3 hours**

This course is for students who want to do independent research and writing in a specialized area of communication. Directed study topics will be selected with guidance from the instructor who will serve as a consultant to the student in carrying out the project. This course may be repeated for credit.

**COMM 300 - Christian Service in Journalism and Communication (SERV-2)—0 hours hours**

This course provides students the option to complete a service project coordinating through the School of Journalism and Communication or in partial fulfillment of an upper division.

**COMM 312 - Professional Communication and Leadership—3 hours**

See BUAD 312 for course description. This course is cross-listed with BUAD 312. A student may receive credit for this course from only one program. Prerequisite(s): COMM 135; ENGL 102. FALL | WINTER

**COMM 326 - Film Evaluation (IN-10) (W)—3 hours**

The primary goal of this class is to help each student develop a set of criteria for critically evaluating films. Besides regular assigned reading, class activities include discussion of the contributions films make to our culture, studying how films are made, and how to write about films. Films are screened as a part of the class and weekly evaluation papers based on the screened film are expected. FALL | WINTER | SUMMER

**COMM 330 - Intercultural Communication (W)—3 hours**

This course deals with communication and culture as they relate to perception and values, language, nonverbal communication, ethics, intercultural relationships, as well as sociocultural, psychocultural, and environmental influences on the processes of communication. FALL|WINTER

**COMM 331 - Intercultural Communication—3 hours**

See COMM 330 for course description. FALL | WINTER

**COMM 336 - Interpersonal Communication—3 hours**

Introduces students to the theory, research, and practice of communication in personal relationships. Topics include listening, verbal and nonverbal communication, emotions, conflict management, and the development and maintenance of effective personal relationships. This course utilizes readings and out-of-class activities to help students understand and apply interpersonal communication principles. WINTER

**COMM 340 - Group Dynamics and Leadership—3 hours**

This course explores the dynamics of small group interaction and promotes cooperation rather than competition in the decision-making process. Students will gain an understanding of different communication and leadership styles, discuss gender issues, learn how to direct and motivate others, and productively manage conflict. This class is taught using lecture and hands-on application of concepts. Prerequisite(s): COMM 135. FALL | WINTER

**COMM 391 - Communication Practicum—1-3 hours**

See COMM 291 for course description. Prerequisite(s): Consent of instructor before arranging for practicum. FALL | WINTER | SUMMER

**COMM 397 - Communication Research (W)—3 hours**

Introduces students to scientific inquiry and the basic research techniques of advertising, communication, journalism, and public relations. Uses interdisciplinary approach to explain quantitative and qualitative research methodology and to evaluate different research designs. Emphasizes the importance of the development and exchange of scholarly information as students conduct primary research. This class should be completed before taking 400 level classes in the School of Journalism and Communication. This course is cross-listed with BUAD 497. A student may receive credit for this course from only one program. FALL

**COMM 406 - Persuasion and Propaganda (W)—3 hours**

This course focuses on the historical origin and contemporary uses of persuasion and propaganda, the concept of public opinion, motivational tools and techniques to achieve public response, characteristics of publics, and how publics are influenced. We will examine artifacts of popular culture, politics, advertising, and mass media through the lens of persuasion and propaganda theories. WINTER

**COMM 415 - Portfolio and Career—1 hour**

A capstone course emphasizing professional skills, ethics, portfolios, career planning and graduate school exploration. Specific attention given to resume preparation, creation of a digital portfolio, interviewing and job search skills. WINTER

**COMM 420 - Professional and Technical Writing—3 hours**

See ENGL 420 for course description. Lab Fee: 4 (\$30). This course is cross-listed with ENGL 420. A student may receive credit for this course from only one program. FALL

**COMM 427 - Mass Media Law and Ethics—3 hours**

This course provides an overview of the U.S. legal system, the press as The Fourth Estate, and The First Amendment's role in American law. The class focuses on issues, both legal and ethical, currently faced by communication professionals. Topics studied in the class include freedom of the press, the American legal system, defamation, invasion of privacy, information gathering, records and open meetings, free press and fair trial, obscenity, copyright, advertising and media regulation. The class will discuss issues affecting Seventh-day Adventists, such as intellectual property, church identity, and the church's stance on Separation of Church and State. Students present legal cases, write legal briefs, and conduct legal research, culminating in a final paper and presentation at the end of the class. WINTER

**COMM 465 - Topics—1-3 hours**

See COMM 265 for course description. FALL | WINTER

**COMM 488 - Mass Communication and Society (W)—3 hours**

This course provides for informed student participation in the examination of the role and function of the mass media system in the United States. Among the topics considered are: the concept of social responsibility as a constraint upon the media; and ethical, social, economic and political issues involved in the function of newspapers, magazines, radio, television, new media advertising, and public relations. Emphasis on reading, writing media critiques, and on analysis of concepts and ideas. WINTER

**COMM 492 - Communication Internship—1-3 hours**

Students work off-campus in a professionally supervised role in the field of communication to obtain on-the-job experience during the school year or during the summer. For each hour of academic credit, 100 clock hours of work experience are required. Detailed procedures and guidelines are available from the School. Prerequisite(s): Completion of at least half the requirements for a major or minor in communication studies and School approval. FALL | WINTER | SUMMER

**COMM 495 - Directed Study—1-3 hours**

See COMM 295 for course description.

**Cooperative Education****COOP 265 - Cooperative Education—1-6 hours**

This course allows students to receive credit for work experience. The assignments must be a specific program designed as an internship with an agreed upon description of the type of work, arrangements for supervision, and methods of evaluation. One hour of credit requires a minimum of 50 work hours. A maximum of six credit hours of cooperative education may be applied to a degree. FALL | WINTER | SUMMER

**COOP 465 - Cooperative Education—1-6 hours**

This course allows students to receive credit for work experience. The assignments must be a specific program designed as an internship with an agreed upon description of the type of work, arrangements for supervision, and methods of evaluation. One hour of credit requires a minimum of 50 work hours. A maximum of six credit hours of cooperative education may be applied to a degree. FALL | WINTER | SUMMER

**Hardware and Embedded Systems****CPHE 200 - Digital Logic and Design—4 hours**

Digital design principles and implementation of digital systems. Number systems, Boolean algebra, architectural concepts, combinational and sequential logic, memory, I/O design, CAD tools, and logic synthesis. The objective of this course is to prepare the essential and rudimentary basis for students to become the next generation of digital circuit designers. Three hours of lecture and three hours of laboratory each week. Lab Fee: 4 (\$30). FALL

**CPHE 222 - Organization, Architecture and Assembly Language—4 hours**

Basic machine organization and architecture. Processor components, instruction sets, memory types and hierarchy. Introduction to data representation, instruction formats, addressing techniques, assembly language, pipelining, and I/O bus architectures. Three hours of lecture and three hours of laboratory each week. Prerequisite(s): CPHÉ 200; CPTR 124. WINTER

**CPHE 265 - Topics in Embedded Systems—1-3 hours**

Topics selected from areas of embedded systems not covered in other courses. May be repeated with permission. FALL | WINTER

**CPHE 295 - Directed Study in Hardware and Embedded Systems—1-3 hours**

Individual or group work adjusted to meet particular needs of computer science students. Formal written report required. May be repeated for credit up to six hours. Prerequisite(s): Permission of instructor and school dean.

**CPHE 300 - Christian Service in Computing—0-1 hour**

This course provides students the option to complete a service project coordinated through the School of Computing or in partial fulfillment of a CPTR, CPHE, CPTE, CPIS upper division course with a service oriented project that fulfills one or two Level II requirements of the Christian Service program. FALL|WINTER

**CPHE 310 - Introduction to Signal Processing—4 hours**

Introduction to signal processing for discrete-time and continuous-time signals. Filtering, frequency response, Fourier transform, Z transform, and sampling. Laboratory emphasizes computer-based signal processing. Three hours of lecture and three hours of laboratory each week. Prerequisite(s): MATH 192. FALL, odd years

**CPHE 323 - Analog Electronics—3 hours**

Foundational theory and practice of analog circuit analysis and design. Basic concepts of circuit behavior, electronic components, circuit analysis methods, semiconductors, and transducers. Introduction to test and measurement instrumentation, experimental techniques for analysis and characterization of electrical circuits, and practical implementations of common analog circuitry in modern embedded systems. Two hours of lecture and three hours of laboratory each week. WINTER, even years

**CPHE 380 - Microcontroller Design—4 hours**

Microcontroller structure, instruction set and addressing modes. Introduction to embedded system development, microcontroller resource allocation, assembly and C language programming, interrupt handlers, real-time operation, timing and basic communication interfaces. Three hours of lecture and three hours of laboratory each week. Lab Fee: 5 (\$60). Prerequisite(s): CPHE 222. FALL, even years

**CPHE 412 - Embedded Systems Development—3 hours**

Fundamentals of microcontroller interfacing and embedded system development for OS-based devices. Overview of embedded operating systems and multitasking, common embedded development best practices and pitfalls, device driver development, DMA, and common bus standards. Two hours of lecture and three hours of laboratory each week. Lab Fee: 7 (\$120). Prerequisite(s): CPHE 380. WINTER, odd years

**CPHE 465 - Topics in Embedded Systems—1-3 hours**

Topics selected from areas of embedded systems not covered in other courses. May be repeated with permission. FALL | WINTER

**CPHE 495 - Directed Study in Hardware and Embedded Systems—1-3 hours**

See CPHE 295 for course description. Prerequisite(s): Permission of instructor and school dean.

**Information Systems****CPIS 265 - Topics in Computer Information Systems—1-3 hours**

Topics selected from areas of computer information systems not covered in other courses. May be repeated with permission. Prerequisite(s): Permission of the instructor. FALL | WINTER

**CPIS 295 - Directed Study in Computer Information Systems—1-3 hours**

Individual or group work adjusted to meet particular needs of computer information systems students. Formal written report required. May be repeated for credit up to six hours. Prerequisite(s): Permission of instructor and school dean.

**CPIS 443 - Software Evaluation—3 hours**

This course focuses on methods for evaluating popular application software packages. Performance and feature evaluation, reliability, usability, maintainability, Security, licensing, and human computer interaction issues. A major project is required. Prerequisite(s): CPTR 124. WINTER, odd years

**CPIS 465 - Topics in Computer Information Systems—1-3 hours**

See CPIS 265 for course description. Prerequisite(s): Permission of the instructor. FALL | WINTER

**CPIS 495 - Directed Study in Computer Information Systems—1-3 hours**

See CPIS 295 for course description. Prerequisite(s): Permission of instructor and school dean.

**Computer Technology****CPTE 100 - Computer Concepts (IN-5)—1 hour**

Important computer competencies including understanding how the history of computers and the Internet can aid in our capability to prepare for future changes in computing technology, the ability to appreciate the potential and limitations of computers and the Internet, how to maintain a "healthy" personal computer system, and how to use computers and the Internet safely, responsibly, and effectively. Does not apply on a major or minor in Computing. FALL | WINTER | SUMMER



**CPTe 105 - Introduction to Word Processing—1 hour**

Creating, editing and formatting documents; creating multiple-page reports; simple desktop publishing; mail merge; creating styles, outlines, tables, table of contents, form letters, mailing labels, and web pages; collaborating with others on a document. Does not apply on a major or minor in Computing. Online only. Prerequisite(s): A typing course or permission of instructor. FALL | WINTER

**CPTe 106 - Introduction to Spreadsheets—1 hour**

Using spreadsheet software to manage data, use formulas and functions, develop professional-looking spreadsheets, create charts and graphs, manage lists, and work with multiple spreadsheets and files. Does not apply on a major or minor in Computing. Online only. FALL | WINTER

**CPTe 107 - Introduction to Database—1 hour**

Using database software to manage data, create and manage a database, query a database, create forms and reports, create advanced queries, create custom forms, create custom reports, integrate the database with the Web and with other software applications. Does not apply on a major or minor in Computing. Online only.

**CPTe 109 - Presentation Technology—1 hour**

An investigation of various presentation software packages and their use in making effective presentations. General presentation design, graphics for presentations, use of animation, video and sound in presentations, and display technology. Students will design, create, enhance and use electronic overheads, outlines, speaker's notes, and audience handouts. Does not apply on a major or minor in Computing.

**CPTe 110 - Introduction to Web Development—1 hour**

Web development using HTML. Designing and developing web sites using web site creation software. Maintaining and updating web sites. Online only. FALL | WINTER | SUMMER

**CPTe 212 - Web Programming—3 hours**

Programming for e-commerce using the World Wide Web. Application architecture, languages, scripting tools, HTML editors, Web design packages and authoring tools. Prerequisite(s): CPTR 124. Pre- or Co-requisite: Pre- or co-requisite: COMM 242 or CPTe 110 or permission of instructor. FALL

**CPTe 230 - Windows Administration—3 hours**

This is a practical course in managing Windows servers and clients. Topics may include Active Directory Domain management, organizational structure, group policies, PowerShell (and/or other scripting tools), user management, availability issues, logs, IIS, deploying pre-built web services, imaging and virtualization. Two hours of lecture and three hours of lab each week. Prerequisite(s): CPTe 212 or CPTR 215. FALL

**CPTe 254 - UNIX Systems Administration—3 hours**

Installation and management of UNIX operating systems in the business environment. Use of common UNIX tools for support and administration. Comparison of common UNIX variants. Two hours of lecture and three hours of lab each week. Prerequisite(s): CPTe 212 or CPTR 215. WINTER

**CPTe 265 - Topics in Computer Technology—1-3 hours**

Topics selected from areas of computer technology not covered in other courses. May be repeated with permission. Prerequisite(s): Permission of the instructor. FALL | WINTER

**CPTe 295 - Directed Study in Computer Technology—1-3 hours**

Individual or group work adjusted to meet particular needs of technical computer support students. Formal written report required. May be repeated for credit up to six hours. Prerequisite(s): Permission of instructor and school dean.

**CPTe 300 - Christian Service in Computing (SERV-2)—0-1 hour**

This course provides students the option to complete a service project coordinated through the School of Computing or in partial fulfillment of a CPTR, CPHE, CPTe, CPIS upper division course with a service oriented project that fulfills one or two Level II requirements of the Christian Service program. Does not count towards a Computing major or minor. May be repeated for up to two hours of credit. FALL|WINTER

**CPTe 316 - Application Software Support—3 hours**

This course focuses on methods of mastering applications software in order to be able to provide technical support. Practice in mastering a wide range of software applications. Software troubleshooting. Interpersonal issues relative to giving support to non-technical personnel. Mentoring and software training issues. Prerequisite(s): Admission to the School of Computing. WINTER, odd years

**CPTe 433 - Network Administration—3 hours**

Network administration to support internal operations and e-commerce. The role of the supervisor in managing user accounts, file systems, directories, security systems, resources, etc. Managing backups, printers, application, and operating system updates and Internet connections. Prerequisite(s): Admission to the School of Computing; CPTR 328 or permission of instructor. WINTER, even years

**CPTe 440 - Programming and Scripting for Administration—3 hours**

Scripting languages, language hosts and libraries, development environments. SNMP, multi-system integration, integrating operational information sources, dashboards. Prerequisite(s): CPTe 254, CPTe 230. FALL, odd years

**CPTe 465 - Topics in Computer Technology—1-3 hours**

See CPTe 265 for course description. Prerequisite(s): Permission of the instructor. FALL | WINTER

**CPTE 495 - Directed Study in Computer Technology—1-3 hours**

See CPTE 295 for course description. Prerequisite(s): Permission of instructor and school dean.

**Computer Science****CPTR 108 - #EssenceOfComputing—3 hours**

Introduction to programming and the major areas of computing. An overview of algorithmic problem solving, computer organization, operating systems, networking, information systems, and social and ethical issues in computing. Two hours of lecture and three hours lab each week. Prerequisite(s): MATH ACT > 16, SAT > 390, R-SAT > 430, or MATH 081. FALL

**CPTR 124 - Fundamentals of Programming—4 hours**

Control structures, data types, data representation, compiling, debugging, modularity, and standard programming algorithms are introduced, using a higher level language. Three hours of lecture and three hours of laboratory each week. Prerequisite(s): Math ACT > 22, SAT > 520, R-SAT > 550, MATH 117, or permission of instructor. WINTER

**CPTR 215 - Fundamentals of Software Design—4 hours**

Introduction to software design methods. Elementary data structures. Development of reliable, modifiable programs. Three hours of lecture and three hours of laboratory each week. Prerequisite(s): CPTR 124. FALL

**CPTR 265 - Topics in Computer Science—1-3 hours**

Topics selected from areas of computer science not covered in other courses. Possible topics include: neural networks, information retrieval, distributed computing, advanced compiler design, computer architecture, advanced operating systems, systems programming, visualization of data, computer simulation, and parallel computing. May be repeated with permission. Prerequisite(s): Permission of the instructor. FALL | WINTER

**CPTR 292 - Computing Internship—1-3 hours**

Individual or group work in current computing technologies. No more than three hours will count towards a computing major or minor. May be repeated for credit up to six hours. Prerequisite(s): Consent of instructor or school dean. FALL | WINTER | SUMMER

**CPTR 295 - Directed Study in Computer Science—1-3 hours**

Individual or group work adjusted to meet particular needs of computer science students. Formal written report required. May be repeated for credit up to six hours. Prerequisite(s): Permission of instructor and school dean. FALL | WINTER

**CPTR 302 - Software Development Tools—1 hour**

Immersion in the tools for modern software development. Topics include project management, source control, dependency management, build tools, licensing, continuous integration, and project requirements. Prerequisite(s): CPTE 212 or CPTR 215. WINTER

**CPTR 309 - Software Engineering—3 hours**

Team-based project class to introduce and apply software engineering principles, models (tradition and agile), practices (requirements gathering, design, implementation, and testing), and tools. Two hours of lecture and three hours of laboratory each week. Prerequisite(s): CPTR 215.

**CPTR 318 - Data Structures and Algorithms—3 hours**

Advanced data structures including heaps, hash tables, height-balanced trees, and graphs. Techniques for data abstraction. Algorithms that have application in many areas of computer science including searching, sorting, and graph algorithms. Recursive algorithms. Analysis of algorithms including time and space complexity analysis. Criteria for choosing data structures and algorithms. Prerequisite(s): Admission to the School of Computing; CPTR 215 and MATH 280. Recommended: MATH 191. FALL

**CPTR 319 - Database Management Systems—3 hours**

Introduction to database management systems, including data modeling, query languages and processing, database design, data integrity and security. Issues related to distributed database systems, object-oriented database systems, and legacy database systems are also discussed. Prerequisite(s): CPTE 212 or CPTR 215. WINTER

**CPTR 328 - Principles of Networking—3 hours**

Principles and issues related to computer networking and data communications. Network topologies, network protocols, network models, routing, congestion control, Internet working, security and privacy. Prerequisite(s): CPTR 108; MATH 120. FALL

**CPTR 333 - Computer Architecture and Design—4 hours**

Basic digital logic, computer architecture, and hierarchical memory organization. Number systems, combinational and sequential circuits, finite state machines, and implementation of digital systems. Processor components, instruction sets, memory types and hierarchy. Introduction to data representation, instruction formats, addressing techniques, assembly language and pipelining. Three hours of lecture and three hours of laboratory each week. Prerequisite(s): CPTR 124. WINTER, even years

**CPTR 365 - Operating Systems—3 hours**

Detailed study of operating system concepts. Process management, scheduling, time slicing, concurrency, mutual exclusion, semaphores, resource management, memory mapping, virtual systems, mass storage, file systems, and security. Case studies of operating systems. Prerequisite(s): Admission to the School of Computing; CPTR 318. WINTER



**CPTR 405 - Organization of Programming Languages—3 hours**

Computer language definition via formal syntax and semantics. Design and implementation issues of features found in most programming languages but including some features found only in modern programming languages. Programming language paradigms. Prerequisite(s): CPTR 215. Recommended: CPTR 318. WINTER, even years

**CPTR 415 - Compiler Construction—3 hours**

Principles and techniques of lexical analysis, parsing, semantic analysis, code generation, and optimization. Students will be required to design and implement a functional compiler for a given programming language. Prerequisite(s): CPTR 318; MATH 280.

**CPTR 418 - Artificial Intelligence—3 hours**

Search techniques and methods of knowledge representation. Application to areas such as planning, learning, expert systems, neural networks, intelligent agents, natural language processing, image processing, and speech recognition. Introduction to the languages used in AI. Prerequisite(s): CPTR 318. FALL, odd years

**CPTR 425 - Computer Graphics—3 hours**

This course teaches the principles of generating graphical images on a computer with an emphasis on the underlying mathematical theory and its programming implementations. Topics include graphics primitives, windowing techniques, clipping, 2-D and 3-D transformations, projections, 3-D viewing techniques, cubic interpolating and approximating curves, bicubic 3-D surface patches, fractal curves and surfaces, hidden line and surface removal, shading, surface mapping, ray tracing, animation techniques. Prerequisite(s): CPTR 318; MATH 192. Recommended: MATH 200.

**CPTR 427 - Network Security—3 hours**

This course provides an overview to key issues and solutions for information security and privacy. Introduction to cryptography and its application to network and operating system security; security threats; applications of cryptography; secret key and public key cryptographic algorithms; hash functions; basic number theory; authentication; security for electronic mail and network scripting languages. Two hours of lecture and three hours of lab each week. Lab Fee: 10 (\$210). Prerequisite(s): CPTR 328. Recommended: CPT 254. WINTER

**CPTR 435 - Mobile Application Development—3 hours**

Introduction to mobile device application development and device interfacing. Topics include connecting to web-based servers, accessing device sensors, communicating with wirelessly connected devices and sensor, and programming for mobile applications. Upon completion, students should be able to create basic connected applications for mobile devices. Two hours of lecture and three hours of laboratory each week. Prerequisite(s): CPTR 215. FALL, odd years

**CPTR 442 - Theory of Computation—3 hours**

Formal models of computation such as finite state automata, push-down automata and Turing machines. Formal languages. Computability and complexity theory along with the practical implications of theoretical results. Prerequisite(s): CPTR 318; MATH 280.

**CPTR 444 - Advanced Network Security—3 hours**

Advanced Network Security focuses on advanced, current topics in network security. Topics may include cryptography, privacy, confidentiality, integrity, authentication, network defense, penetration testing, offensive security, security protocols and other topics as appropriate. CANNOT BE REPEATED FOR GRADUATE CREDIT. This course is cross-listed with CPTR 542. A student may receive credit for this course from only one program. Prerequisite(s): CPTR 328. FALL, odd years

**CPTR 446 - Web Services—3 hours**

This is a practical course in web-centric computing from the server perspective. Topics include selection of web services servers, technical architecture of web services sites, security issues, implementation, management and maintenance of web services servers, web services design and implementation, and database integration. A team-based capstone project is required. Prerequisite(s): CPT 212 or CPTR 215. FALL, even years

**CPTR 465 - Topics in Computer Science—1-3 hours**

See CPTR 265 for course description. Prerequisite(s): Permission of the instructor. FALL | WINTER

**CPTR 486 - Senior Seminar (W)—2 hours**

Written and oral reports are made on specific computing topics/projects appropriate to each student's major program. Intellectual property, professional ethics, privacy issues, preparation for the job search, and witnessing on the job are also discussed. One hour of lecture and three hours of laboratory each week. Prerequisite(s): Admission to the School of Computing; Senior standing or permission of instructor. FALL

**CPTR 488 - Senior Project—2 hours**

Individual capstone project that demonstrates the student's ability to integrate various elements of their undergraduate computing knowledge and skills. Individual project includes management, implementation, testing and presentation components. The course also includes a small, team-based experience that demonstrates the student's teamwork and communication skills. Six hours of laboratory each week. Prerequisite(s): CPTR 486; Senior standing or permission of instructor. WINTER

**CPTR 492 - Computing Internship—1-3 hours**

See CPTR 292 for course description. Prerequisite(s): Consent of instructor or school dean. FALL | WINTER | SUMMER

**CPTR 495 - Directed Study in Computer Science—1-3 hours**

See CPTR 295 for course description. Prerequisite(s): Permission of instructor and school dean.

**Economics****ECON 213 - Survey of Economics (IN-9)—3 hours**

A course designed for the general education student. It provides an understanding of the United States' mixed economy through a study of the market system, the role of money, the government's fiscal policy, and the impact of the foreign sector. No credit is available if ECON 224 or ECON 225 has been taken. This course does not apply for credit to a BBA or BS Business major. FALL

**ECON 224 - Principles of Macroeconomics—3 hours**

A study of economics as it affects the national interest. Topics include total employment, output and income, with inflation and recession, and with the variables that influence these conditions. This course is cross-listed with PLSC 224, History Department. A student may receive credit for this course from only one program. FALL

**ECON 225 - Principles of Microeconomics—3 hours**

Analyzes specific market environments which influence business policy. Topics include scarcity and choice, individual goods and markets, and the price mechanism showing how it automatically directs the society's resources into the most desirable uses. Prerequisite(s): ECON 224, PLSC 224, a high school economic class, or consent of instructor. WINTER

**ECON 265 - Topics in Economics—1-3 hours**

Selected topics designed to meet the needs or interests of students in specialty areas of business and management. This course may be repeated for credit with permission. Prerequisite(s): Permission of the instructor. FALL | WINTER

**ECON 452 - Financial Markets—3 hours**

Mediums of exchange, money and credit, banks and their services, the Federal Reserve System, and other financial institutions are considered. This course is cross-listed with FNCE 452. A student may receive credit for this course from only one program. Prerequisite(s): ECON 224; FNCE 315. FALL

**ECON 465 - Topics in Economics—1-3 hours**

See ECON 265 for course description. Prerequisite(s): Permission of the instructor. FALL | WINTER

**Education****EDUC 129 - Introduction to and Foundations of Elementary Education—3 hours**

Designed to give students an opportunity to be immersed in their first field experience and is required of all students seeking elementary education licensure. Additionally, weekly focused reading and discussion will include teaching as a profession, foundations in the history of education, as well as current issues and trends in public and Seventh-day Adventist education. Students will be supported in becoming disciples of Christ, disciple makers, and change agents—roles that are held as central within the core tenants of the Teacher Education Program. Students will be required to show evidence of passing a TN Bureau of Investigation background check prior to participating in field experiences. Lab Fee: 8 (\$150). FALL | WINTER

**EDUC 138 - Introduction to and Foundations of Secondary Education—3 hours**

Designed to give students an opportunity to be immersed in their first field experience and is required of all students seeking secondary education licensure. Additionally, weekly focused reading and discussion will include teaching as a profession, foundations in the history of education, as well as current issues and trends in public and Seventh-day Adventist education. Students will be supported in becoming disciples of Christ, disciple makers, and change agents—roles that are held as central within the core tenants of the Teacher Education Program. Students will be required to show evidence of passing a TN Bureau of Investigation background check prior to participating in field experiences. Lab Fee: 8 (\$150). FALL | WINTER

**EDUC 201 - Teacher Education Candidacy—0 hours hours**

This pass-fail course assess a student's readiness to become a teacher education candidate. This course is a requirement for Transition Two in the Teacher Education Program. Coursework includes meeting with the education program adviser to ensure requirements for Transition Two have been met. Although the student consults directly with the adviser, it is the Teacher Education Council that votes completion of this transition. To continue in the Teacher Education Program, a student must first receive a Pass in this course. Prerequisite(s): EDUC 129 or EDUC 138; ENGL 101 and ENGL 102 each with a minimum grade of C; Completion of 45 undergraduate hours. FALL | WINTER

**EDUC 210 - Technology Integration in Early Childhood Education—3 hours**

This course focuses on the study and analysis of best practices in the integration of technology at the early childhood level. Philosophical perspectives in the use of technology, age appropriate implementation of technology, and current technological trends related to Early Childhood Care Center(s) is discussed. This course also seeks to provide the educator with an array of professional competencies so as to optimally leverage technology for instructional ends.

**EDUC 217 - Psychological Foundations of Education—2 hours**

The study of psychological information and its application to the processes of teaching and learning. The course covers subjects such as theories of learning, pupil characteristics, pupil variability, culture and community, motivation, creating learning environments, and student assessment.

**EDUC 233 - Children's Literature—3 hours**

A survey of children's literature, K-8th. Each genre is explored, with attention given to close reading techniques to guide elementary students in the analysis of both narrative and informational text. Emphasis is also placed on nurturing aesthetic and efferent textual experiences. Students have interactive opportunities to develop philosophical and professional principles to guide in selecting literature for children. FALL | WINTER

**EDUC 238 - K-8 Bible Methods—3 hours**

An introduction to the pedagogical knowledge, skills, and dispositions related to the effective teaching of religion and spiritual commitment. Candidates become familiar with the Transformational Planning Framework and Spiritual Growth Model that serve as the philosophical basis for the Encounter Bible curriculum. Instructional planning and assessment are based on the pedagogical strategies outlined in the Encounter units for 1st-8th grades. Field experience is required. Lab Fee: 2 (\$15). FALL

**EDUC 242 - Elementary Numeracy Concepts—2 hours**

This course will help students develop a deeper understanding of the foundation of numbers, number systems, algorithms, and geometry. The course will focus on the reason behind mathematical operations and its related pedagogy. Prerequisite(s): MATH ACT of 19. WINTER

**EDUC 243 - Foundations of Elementary Literacy—2 hours**

This introductory course examines research and its implications on the development of literacy. Candidates will be introduced to theoretical knowledge and pedagogical skills to assist in making data-informed instructional decisions for teaching reading, writing, language, speaking and listening. The course engages candidates in planning, instruction, and assessment with a greater emphasis on planning. Topics introduced include the creation of literacy-rich learning environments, respect for language diversity, instructional strategies, integrated unit design, analysis of complex texts, and taking an active stance in professional growth in literacy. A performance assessment will be submitted. Fifteen (15) hours of field experience are required. WINTER

**EDUC 295 - Directed Study—1-3 hours**

This course permits the advanced student with adequate preparation to pursue independent study in special fields. This course may be repeated for credit. Prerequisite(s): Achieved Teacher Education Candidacy or EDUC 201.

**EDUC 301 - English as a Second Language: Issues and Trends—3 hours**

See ENGL 301 for course description. This course is cross-listed with ENGL 301. A student may receive credit for this course from only one program. WINTER

**EDUC 302 - English as a Second Language: Strategies and Methods—3 hours**

Involves the study and application of second-language theories and cultural knowledge to ESL teaching methodology and curriculum design. In addition, it explores various approaches and techniques for adjusting lessons to suit the needs of second-language learners and enhance their acquisition of English. Concentrates on assisting educators in the development of appropriate strategies for teaching, speaking, writing, and grammar usage in ESL environments. Five (5) hours of field experience will be required. This course is cross-listed with ENGL 302. A student may receive credit for this course from only one program. Prerequisite(s): Achieved Teacher Education Candidacy or EDUC 201, or permission of instructor. FALL

**EDUC 303 - Professional Seminar—1 hour**

This seminar is designed to address issues related to becoming a professional educator. There is a required pre-semester August fieldwork assignment to assist a mentor teacher with preparing a classroom for the school year. It requires a minimum of 30 hours onsite in a school and a notebook of documentation. Other topics include portfolio development, interviewing skills, preparation for professional exams, overview of professional organizations, and other topics of importance as identified by candidates and professor. Prerequisite(s): Achieved Teacher Education Candidacy or EDUC 201. FALL

**EDUC 305 - Primary Literacy—3 hours**

This is the second of three courses that examine the research on the acquisition and development of literacy and its implications on pedagogy. This course focuses on the integrated literacy practices enacted in primary grade classrooms. Candidates are engaged in planning, instruction, and assessment with an emphasis on instruction and assessment. Topics relate to the development of phonemic awareness, phonics, literacy processes, spelling, and oral language. A performance assessment will be submitted that includes a comprehensive unit design. A minimum of 20 hours of field experience is required. Lab Fee: 4 (\$30). Prerequisite(s): EDUC 243; Achieved Teacher Education Candidacy or EDUC 201. FALL

**EDUC 317 - Teaching with Technology—2 hours**

Effective teaching has as much to do with empowering students to learn as it does with knowing how to teach. Through a background of legal, social, and ethical issues related to use of educational technology, the course introduces a variety of simple website development, course management systems, mobile devices, and online media to enhance planning, instruction, and assessment. Topics covered during the course include: technology as a tool, internet in the classroom, standards for integrating technology and multimedia teaching tools, and facilitating students' use of technology. This instructional class is supplemented by an experiential lab. Lab Fee: 4 (\$30). Prerequisite(s): EDUC 129, EDUC 138, or permission of instructor. FALL|WINTER

**EDUC 322 - Educational Research and Statistics (W)—3 hours**

This course examines research methodology as well as basic descriptive and inferential statistics. The emphasis is on the practical aspects of educational research, including research projects, presentations, and critiques of published research. APA style and computer-aided analysis will be utilized. Prerequisite(s): Achieved Teacher Education Candidacy or EDUC 201. FALL

**EDUC 324 - Elementary Language Arts Methods—3 hours**

A comprehensive study of effective evidence-based language arts principles and instructional methods appropriate for Kindergarten-8th grade. Effective methods and strategies related to both the receptive and expressive language arts (including listening, talking, writing, viewing, and visual representation) are emphasized. Teacher candidates become familiar with frameworks of instruction that support multi-grade contexts, developmentally appropriate practices, and differentiating for diversity. Study is given to assessments that inform instruction in the language arts. A minimum of 15 hours of cohort-based field experience provides opportunities for application of knowledge, skills, and dispositions. Lab Fee: 4 (\$30). Prerequisite(s): Achieved Teacher Education Candidacy or EDUC 201. Completion of ENGL 132 for any candidate who does not have either a B in ENGL 101 or a minimum score of 21 on the English component of the ACT, 510 on the SAT or 29 (writing/language subscore) on the SAT-R. FALL

**EDUC 327 - Elementary Mathematics Methods—3 hours**

Includes curriculum organization, materials, methods, and instructional aids with emphasis on multi-grade classrooms. Attention is given to the sequential skill development and to changes in the mathematical contents, technology and pedagogy. Instruction is also provided in lesson planning, assessment, and differentiating instruction to meet the needs of diverse learners. Observation and micro-teaching required. Incorporates fieldwork that includes an intensive culminating field experience in conjunction with EDUC 331, EDUC 339, EDUC 454, and EDUC 457, providing opportunity for application of knowledge, skills, and dispositions. Prerequisite(s): Achieved Teacher Education Candidacy or EDUC 201. Corequisite(s): EDUC 331, EDUC 339, EDUC 454, and EDUC 457. WINTER

**EDUC 331 - Educational Theory and Assessment—3 hours**

The study of education theories as these pertain to the teaching-learning process. Theories include behaviorism, social cognitive theory, information processing theory, and constructivism. Candidates will study and develop a variety of assessment instruments that include formative, summative, and standardized testing. The practical application of the theories and assessment is a part of the field experience for this course. EDUC 327, EDUC 339, EDUC 454, and EDUC 457 provide opportunity for application of knowledge, skills, and dispositions. Prerequisite(s): Achieved Teacher Education Candidacy or EDUC 201. Corequisite(s): EDUC 327, EDUC 339, EDUC 454, and EDUC 457. WINTER

**EDUC 338 - Foundations of Inclusive Education (SERV-2)—3 hours**

This course is based on the assumption that all students are capable of learning. The course seeks to familiarize teacher candidates with the broad range of exceptionalities found in elementary and secondary classrooms. Emphasis is placed on learning to differentiate instruction to meet the needs of diverse students in inclusive classrooms. Students are also introduced to the Response to Intervention model, including universal screening instruments and the three tiers of instruction and assessment. This course will include a case study incorporating twenty (20) hours of field experience outside of class time. A lab is required concurrently to assist in field experience. Lab Fee: 4 (\$30). Prerequisite(s): Achieved Teacher Education Candidacy or EDUC 201, or permission of instructor. FALL | WINTER

**EDUC 339 - Principles and Methods of Teaching Reading—3 hours**

This is the third of three courses that focus on the research on how children become literate and the implications of research on instructional practice. This course focuses on fluency, vocabulary acquisition, comprehension, and close reading of complex text. This course connects to content in previous literacy-specific courses and develops proficiency in the use of more complex teaching strategies and assessments. Incorporates fieldwork that includes an intensive culminating field experience in conjunction with EDUC 327, EDUC 331, EDUC 454, EDUC 457 providing opportunity for application of knowledge, skills, and dispositions. Lab Fee: 8 (\$150). Prerequisite(s): EDUC 243, EDUC 305; Achieved Teacher Education Candidacy or EDUC 201. Corequisite(s): EDUC 327, EDUC 331, EDUC 454, EDUC 457. WINTER

**EDUC 341 - General Methods and Assessment—3 hours**

An introduction to the pedagogical knowledge, skills, and dispositions related to differentiated instruction and assessment. Other topics include teacher responsibilities, culturally responsive teachers, teacher self-assessment, and study skills. Forty-five hours of field experience provide opportunity for application of knowledge skills and dispositions. Prerequisite(s): Achieved Teacher Education Candidacy or EDUC 201 or education minor. Corequisite(s): Should be taken jointly with EDUC 342, EDUC 343, and EDUC 434, as applicable in the candidate's program. FALL | WINTER

**EDUC 342 - Curriculum and Content Methods - Secondary—2 hours**

This course combines discussion, guided practice, and actual teaching experiences in a local middle/high school/academy. Attention is given to using North American Division and TN Learning Standards to guide instruction and assessment. Secondary teacher candidates become familiar with content pedagogy as well as resources for planning, instruction, assessment, and evaluation. Curriculum and Content Methods is offered in Biology, Chemistry, English, History, Languages, Mathematics, Physics, and Religion, including Encounter training. Fifteen hours of field experience provide opportunity for application of knowledge, skills, and dispositions. Prerequisite(s): Achieved Teacher Education Candidacy or EDUC 201. Corequisite(s): Should be taken jointly with EDUC 341, EDUC 343, and EDUC 434, as applicable in the candidate's program. FALL | WINTER

**EDUC 343 - Learning Theories and Classroom Management—3 hours**

The course is the study of educational theories as these pertain to the teaching-learning process and classroom management/behavior discipline models. Other topics include the characteristics of an effective teacher, first days of school, interviewing skills, preparation for professional exams, and parent-teacher conferences. Forty-five hours of field experience provide opportunity for application of knowledge, skills, and dispositions. Must be taken in residence. Lab Fee: 8 (\$150). Prerequisite(s): Achieved Teacher Education Candidacy or EDUC 201 or education minor. Corequisite(s): Should be taken jointly with EDUC 341, EDUC 342, and EDUC 434, as applicable in the candidate's program. FALL | WINTER

**EDUC 419 - Philosophy and Leadership in Christian Education (W) (SERV-2)—3 hours**

This course is designed to familiarize teacher candidates with the scriptural principles and philosophical base as it relates to Seventh-day Adventist education and instructional leadership. The writings of Ellen White and others inform this study. Leadership principles are studied, including topics related to the integration of faith and learning, interpersonal communication, administration of small schools, and the responsibility of educators to constituencies. Prerequisite(s): Achieved Teacher Education Candidacy or EDUC 201, or permission of instructor. FALL | WINTER

**EDUC 421 - Behavior Management-Elementary—2 hours**

This course is designed to prepare the candidate to successfully manage PreK-8 classrooms. It includes instruction from notable authors such as Jones & Jones, Wong, Canter, White, Glasser, and others. Students will refine their own approach based on their exposure to a variety of philosophies, theories, observations, and experiences. Prerequisite(s): Achieved Teacher Education Candidacy or EDUC 201. WINTER

**EDUC 423 - Issues in Adolescence—3 hours**

See PSYC 422 for course description. This course is cross-listed with PSYC 422. A student may receive credit for this course from only one program. Prerequisite(s): PSYC 128. FALL, even years

**EDUC 434 - Reading and Writing in the Content Areas—2 hours**

This course focuses on guiding secondary and PreK-12 candidates to develop an understanding of disciplinary literacy skills and strategies necessary in middle and secondary school classrooms. Techniques for improving students' ability to read, write, view, listen and speak will be discussed. Candidates will learn and practice strategies for reading comprehension and vocabulary development, as well as writing to learn and public writing. Causes of literacy problems and assessment procedures will be studied. Fifteen hours of field experience provide opportunity for application of knowledge, skills, and dispositions. This course fulfills the NAD requirement for secondary reading methods. Prerequisite(s): Achieved Teacher Education Candidacy or EDUC 201 or education minor. Corequisite(s): Should be taken jointly with EDUC 341, EDUC 342, and EDUC 343, as applicable in the candidate's program. FALL | WINTER

**EDUC 448 - Response to Intervention—2 hours**

This course is designed to provide teacher candidates with a comprehensive understanding of the Response to Intervention (RTI) model of instruction and intervention. Candidates become familiar with universal assessment, formative assessments, evidence-based Tier II interventions, and progress monitoring. An intensive field experience involves administration and analysis of assessments and use of interventions within a tutoring context. Candidates may choose an emphasis in Math or Literacy RTI. A performance assessment is required. Lab Fee: 6 (\$90). Prerequisite(s): Achieved Teacher Education Candidacy or EDUC 201. FALL

**EDUC 454 - Elementary Science and Health Methods—2 hours**

Includes curriculum organization, methods, materials and equipment with emphasis on multi-grade classrooms. Techniques and materials are examined using basic principles of the scientific method. Instruction is also provided in lesson planning, assessment, and differentiating instruction to meet the needs of diverse learners. Incorporates fieldwork that includes an intensive culminating field experience in conjunction with EDUC 327, EDUC 331, EDUC 339, and EDUC 457, providing opportunity for application of knowledge, skills, and disposition. Prerequisite(s): Achieved Teacher Education Candidacy or EDUC 201. Corequisite(s): EDUC 327, EDUC 331, EDUC 339, and EDUC 457. WINTER

**EDUC 457 - Elementary Social Studies Methods—2 hours**

An introduction to the pedagogical knowledge, skills, and dispositions related to effective instruction and assessment in Social Studies. Teacher candidates become familiar with frameworks of instruction that support multi-grade contexts, developmentally appropriate practices, and differentiating for diversity. Incorporates fieldwork that includes an intensive culminating field experience in conjunction with EDUC 327, EDUC 331, EDUC 339, and EDUC 454, providing opportunity for application of knowledge, skills, and dispositions. Prerequisite(s): Achieved Teacher Education Candidacy or EDUC 201. Corequisite(s): EDUC 327, EDUC 331, EDUC 339, and EDUC 454. WINTER

**EDUC 464 - Teaching Seminar—2 hours**

This course is designed to provide candidates with opportunities to enhance the student teaching experience through in-depth discussion and analysis of topics relevant to student teaching. The seminar will include an overview of major principles/theories of learning and teaching as they relate to actual classroom practice. Practitioners will make presentations related to areas of the teaching experience. Prerequisite(s): Admission to Student Teaching. FALL | WINTER

**EDUC 471 - Enhanced Student Teaching - Elementary (SERV-2)—10 hours**

Designed as a full-time practicum for one semester. Students are assigned to two (2) placements (K-3, 4-8). Cooperating teachers, determined by the district and university personnel, are selected according to experience, certification, and competence, and share supervision responsibilities with university faculty, who assume responsibility for the final summative evaluation. Lab Fee: 12 (\$300). Prerequisite(s): Admission to Student Teaching. Corequisite(s): EDUC 464. FALL | WINTER

**EDUC 472 - Enhanced Student Teaching - Secondary (SERV-2)—10 hours**

Designed as a full-time practicum for one semester. Students are assigned to two (2) placements (middle school, high school). Cooperating teachers, determined by the district and university personnel, are selected according to experience, certification, and competence, and share supervision responsibilities with university faculty, who assume responsibility for the final summative evaluation. Lab Fee: 12 (\$300). Prerequisite(s): Admission to Student Teaching. Corequisite(s): EDUC 464. FALL | WINTER

**EDUC 473 - Enhanced Student Teaching K-12 (SERV-2)—10 hours**

Designed as a full-time practicum for one semester. Students may be assigned to three (3) placements (K-4, 5-8, 9-12). The time spent will be approximately six weeks in each area. Cooperating teachers, determined by the district and university personnel, are selected according to experience, certification, and competence, and share supervision responsibilities with university faculty, who assume responsibility for the final summative evaluation. Lab Fee: 12 (\$300). Prerequisite(s): Admission to Student Teaching. Corequisite(s): EDUC 464. FALL | WINTER

**EDUC 475 - Workshop in Education (Methodology)—1-3 hours**

Experienced teachers are given opportunity to work under supervision on curriculum problems. Credit is also available for preservice students as an elective. FALL | WINTER

**EDUC 476 - Practicum: English as a Second Language—1 hour**

Supervised experience in a school setting working with ESL teachers and students. A minimum of thirty (30) clock hours of classroom experience in two placements (PreK-6 and 7-12) is required. Candidates will spend additional time in lesson planning. Cooperating teachers will be determined by collaboration between university and K-12 personnel. University faculty assumes responsibility for the final summative evaluation. Grades will be assigned on an A, B, or F basis. Prerequisite(s): Achieved Teacher Education Candidacy or EDUC 201; junior or senior standing. FALL | WINTER

**EDUC 485 - Workshop in Education (Content)—1-3 hours**

Experienced teachers are given opportunity to develop new skills and gather new facts in content fields at various levels. Credit is also available for preservice students as an elective. SUMMER

**EDUC 495 - Directed Study—1-3 hours**

See EDUC 295 for course description. Prerequisite(s): Achieved Teacher Education Candidacy or EDUC 201.

**English Language Skills****EESL 127 - Grammar for English Language Learners 1—3 hours**

This course provides an overview of the basic sentence patterns of English and develops the grammar skills necessary for clear written and oral communication. FALL

**EESL 128 - Grammar for English Language Learners 2—3 hours**

This course continues the overview of the basic sentence patterns of English and develops the grammar skills necessary for clear written and oral communication. WINTER

**EESL 137 - Writing for English Language Learners 1—3 hours**

This course offers an introduction to academic writing skills including the study of the steps in the writing process, the parts of the paragraph and basic essay structure. Emphasis on sentence and paragraph structure. FALL

**EESL 138 - Writing for English Language Learners 2—3 hours**

This course develops academic writing skills, emphasizing the process of planning, writing, revising, and editing paragraphs and essays for a particular audience. Emphasis on proofreading and editing skills. WINTER

**EESL 147 - Reading and Critical Thinking for Academic Purposes 1—3 hours**

This course focuses on reading skills for newcomers to the U.S. academic environment. Students will learn critical thinking strategies for approaching academic reading and show understanding through annotation, paraphrase, summary, and notetaking skills. FALL

**EESL 148 - Reading and Critical Thinking for Academic Purposes 2—3 hours**

This course improves the student's ability to handle academic reading and further develops the critical thinking skills demanded for university course work. Students may also be exposed to library and research skills. WINTER

**EESL 157 - Oral Skills for Academic Purposes 1—3 hours**

This course serves to improve oral proficiency for newcomers to the US academic environment. Students will learn language patterns and strategies for coping with group work, oral presentations, and notetaking. Critical thinking skills will be adapted for oral contexts. FALL

**EESL 158 - Oral Skills for Academic Purposes 2—3 hours**

This course reinforces oral skills in the US academic environment. Students will employ critical thinking skills, appropriate language patterns and adaptive strategies for coping with group work, oral presentations, lectures, and workplace expectations. WINTER



**EESL 195 - Directed Study—1-3 hours**

Customized language practice designed to practice targeted language skills such as vocabulary development, test preparation, accent improvement, or other skills not covered through regular EESL courses.

**Literature****ELIT 175 - Transformative Texts (IN-10)—3 hours**

This course offers first-year students an opportunity for lively discussion of accessible, yet important, literary texts in a small-group setting. The emphasis will be on developing collegiality, cultural literacy, and more sophisticated reading and analysis skills. The content of individual seminars will be determined by English department faculty. This course does not count toward an English major or minor.

**ELIT 214 - Survey of American Literature (IN-10)—3 hours**

A study of representative selections from major American authors, from the pre-colonial period to the present, with emphasis on literature as it relates to history, spirituality, and aesthetic analysis. Prerequisite(s): ENGL 102. FALL | WINTER

**ELIT 215 - Survey of English Literature (IN-10)—3 hours**

A study of representative selections by British writers, with special emphasis on the author's philosophy as compared or contrasted with Bible-based thinking, and a review of literary trends and influences from the late Roman period to the present. Among writers receiving strong attention are Chaucer, Shakespeare, Donne, Milton, and Wordsworth. Prerequisite(s): ENGL 102. FALL | WINTER

**ELIT 216 - Approaches to Literature (IN-10)—3 hours**

In this course students read and interpret short stories, poems, and drama in terms of current literary theories. Students acquire the basic tools and vocabulary to analyze a variety of diverse works including the Bible as literature. Students have interactive opportunities to develop philosophical and professional values which can guide them in making wise reading and viewing decisions. WINTER

**ELIT 295 - Directed Study—1-3 hours**

The content of this course will be adjusted to meet the particular needs of the student. This course may be repeated for credit. FALL | WINTER

**ELIT 309 - Readings in English—1 hour**

Topics selected from language, literature, rhetoric, theory, or related areas of English. Online only. FALL | WINTER

**ELIT 323 - A Destiny in Reserve: American Classics of the Nineteenth Century (IN-10) (W)—3 hours**

A chronological study of some of the most significant works of American literature written during the nineteenth century. FALL, odd years

**ELIT 332 - Studies in Medieval Literature (IN-10) (W)—3 hours**

A study of literary selections from the English Medieval period. Emphasis placed on the works of Old English poetry (including Beowulf), translations of the Bible ranging from Caedmon in the seventh century to Wycliffe in the fourteenth century, Arthurian legends, Chaucer, sources and analogues of the works, and twentieth-century criticism. FALL, odd years

**ELIT 333 - Poets and Other Radicals of the English Renaissance (1485-1608) (IN-10) (W)—3 hours**

Henry VIII's actions unleashed a swirl of debate over responsibilities previously monitored by Rome. Authors in the English Renaissance dispute matters of conscience, obedience, allegiance, wealth, work, honor, law, superstition, worship, and doctrine. Emphasis placed on the works of Skelton, Wyatt, Tyndale, Latimer, Thomas More, John Foxe, Spencer, Sydney, and Shakespeare. WINTER, even years

**ELIT 335 - The Bible as Literature (IN-10) (W)—3 hours**

A study of the literary masterpieces of the Bible in translation. The course applies techniques of close reading to various biblical genres such as narrative, lyric, proverb, parable, speech, and epistle. FALL, even years

**ELIT 337 - A Beautiful Empire: British Classics of the Nineteenth Century (IN-10) (W)—3 hours**

A chronological study of the most significant works of British literature from 1798-1901. FALL, even years

**ELIT 338 - Twentieth-Century Writers (IN-10) (W)—3 hours**

A study of significant texts, theories, and trends of the twentieth century. This reading and writing intensive course will focus on Anglophonic work from English, Irish, Scottish, American, and Canadian authors, in addition to concepts of modernism, postmodernism, and literary theory. FALL

**ELIT 340 - C. S. Lewis (IN-10) (W)—3 hours**

A survey and critical study of the literature of C. S. Lewis. His major fictional works, autobiography, and theological works are selected for study from the post-conversion period of Lewis's life. Critical literary theorists and primary source authors are examined in connection with the literature. The course will focus on issues of faith and on literary techniques as demonstrated in this popular twentieth century author's various literary genres. This class does not count toward a major or minor in English. WINTER

**ELIT 342 - African American Literature (IN-10) (W)—3 hours**

African American Literature is a study of major periods, genres, and theories of African American literature to show the breadth and variety of the African American literary tradition and the ways in which African Americans have contributed to, been influenced by, and transformed America. WINTER, odd years

**ELIT 346 - Shakespeare (IN-10) (W)—3 hours**

Celebrated as the greatest of English writers, Shakespeare continues to influence world culture. This course employs a variety of critical strategies to read and discuss several plays. Topics discussed include authority and ethical government, art and the shaping of history, social unity and the influence of the theatre, staging and performance, music and costume, superstition and magic, identity and the self, honor and cowardice, and obedience and the conscience. Students will attend a professional performance of a selected Shakespeare play. Lab Fee: 4 (\$30). WINTER, odd years

**ELIT 417 - Intercultural Contexts: Literatures of Power, Place, and People (IN-10) (W)—3 hours**

A study of diverse international literature. This reading and writing intensive course will focus specifically on literature of the twentieth and twenty-first centuries, with special attention to texts that address the imperialist project and its aftereffects, as represented in indigenous and postcolonial cultures. The course material will also investigate how representations of the Other, concepts of moral responsibility, and preoccupations with Western degeneration structure political and cultural boundaries, which are countered and critiqued by those from margins of society. WINTER, odd years

**ELIT 425 - Literature of the South (IN-10) (W)—3 hours**

This course considers literary works from important writers of the American South including Mark Twain, William Faulkner, Flannery O'Connor, and others. WINTER, even years

**ELIT 430 - Library Materials for Young Adults—2 hours**

A survey of the variety of books and related materials available for grades 6-12. Designed for prospective teachers in SDA junior and senior academies as well as those in public middle and high schools, this course correlates critical evaluation and selection to the uses and specific needs of young adults as they develop their reading habits and skills. Includes a study of censorship and copyright law. FALL

**ELIT 444 - Restoration, Revolution, and Reason: British Classics of the Eighteenth Century (1660-1800) (IN-10) (W)—3 hours**

New freedoms of the 1688-1689 English revolution created a market-driven press where writers competed to entertain or to improve society. Included are poets, preachers, and essayists such as Milton, Dryden, Pope, Thomson, and John Wesley; dramatists such as Goldsmith and Sheridan; novelists such as Bunyan, Swift, Defoe, and Johnson; and authors of travel and slave narratives such as Olaudah Equiano and Lady Mary Wortley Montagu. WINTER, even years

**ELIT 445 - Ancient Classics (IN-10) (W)—3 hours**

After beginning with the three great epics that underlie the literature of the Western World---the Iliad, the Odyssey, and The Book of Job---the course considers a range of Greek and Roman works. Collateral emphasis is on enhancing a student's ability to distinguish between classical Greco-Roman and Judeo-Christian modes of thought. FALL

**ELIT 450 - You, Me, We: Identity, Society, Culture, and Politics in Contemporary Literature (W)—3 hours**

This reading and writing intensive course is a study of contemporary literary texts, theories, trends, and contexts with a focus specifically on literature since 1990. Course material will address key concerns and innovative trends of current writing, including the ways in which literature depicts the individual in relation to wider social, political, cultural, and global contexts. Topics may include but are not limited to: identity politics; censorship and the individual; medical humanities; modernity, globalization, and postnationalism; psychogeography, geopolitics, and the environment. WINTER, even years

**ELIT 463 - Literary Criticism—3 hours**

A survey of modern approaches to literary criticism, including Psychoanalytic, Feminist, Marxist, Structuralist, Deconstructionist, New Historicist, and Postcolonialist. Prerequisite(s): ELIT 216. FALL

**ELIT 465 - Topics in Literature (W)—1-3 hours**

Selected topics in literature presented in a classroom setting. Subjects covered will determine how the class applies to the major. This course may be repeated for credit. FALL | WINTER

**ELIT 468 - Milton Seminar (IN-10) (W)—3 hours**

In this class, Milton's brilliant mind engages our community of scholars in his vibrant and antagonistic debates about the freedoms of conscience, speech, assembly, and the press. Students read Milton's major epics, polemical prose, and poetry. Milton's work is also contextualized by other early seventeenth-century poets such as Donne, Herbert, Marvell, Herrick, and Crashaw. WINTER, odd years

**ELIT 490 - Senior Capstone—1 hour**

This course is for senior English majors only, to be taken during the semester prior to the final semester before graduation. The work consists of essay writing, portfolio preparation, an oral assessment, and reviewing for and taking the Major Field Test, Literature in English. English majors must score at or above the 50th percentile on the Major Field Test, with acceptable performance on essays, portfolio, and the oral assessment, in order to earn a Pass. A student may earn a grade of Honors ("A" on the transcript), Pass, or Fail. One must earn at least a Pass in order to graduate as an English major. Prerequisite(s): Senior standing. FALL | WINTER

**ELIT 495 - Directed Study—1-3 hours**

See ELIT 295 for course description. FALL | WINTER



## English

### **ENGL 100 - Fundamentals of Critical Thinking in Reading and Writing—3 hours**

ENGL 100 focuses on fundamental critical thinking skills related to university-level reading and writing in preparation for ENGL 101 and ENGL 102. This course is required of students whose English ACT score is below 18, writing SAT score is below 450, or R-SAT score is below 25. Students must earn a C to pass the course. FALL | WINTER

### **ENGL 101 - Critical Thinking in Academic Reading and Writing I (IN-2)—3 hours**

This course introduces students to the demands and conventions of academic reading and writing. It broadens students' knowledge and skills about writing and analyzing various texts so they can adapt to the diversity of reading and writing tasks encountered across the college curriculum and beyond. Instruction on the stages of writing process, from prewriting exercise through drafting and revision, forms a key part of the curriculum. This course does not count toward the English major or minor. Prerequisite(s): ENGL 100 minimum grade of C, English ACT score of 18, writing SAT score of 450, or R-SAT score of 25. FALL | WINTER | SUMMER

### **ENGL 102 - Critical Thinking in Academic Reading and Writing II (IN-2)—3 hours**

This course builds on the critical reading and writing proficiencies developed in ENGL 101 with an emphasis on critical evaluation and writing source-based arguments as well as summarizing, analyzing, and synthesizing. Students will identify issues, assess claims, locate evidence, take positions, and write convincing arguments. Designed to familiarize students from a variety of academic disciplines with basic information literacy and documentation skills, the course includes an introduction to MLA and APA documentation. This course does not count toward the English major or minor. Prerequisite(s): ENGL 101. FALL | WINTER | SUMMER

### **ENGL 103 - H:Critical Thinking in Academic Reading and Writing II (IN-2)—3 hours**

This course is required for Southern Scholars. It is a more rigorous version of ENGL 102, emphasizing full argumentation in all writing modes and a longer research paper. Students taking this class are expected to have a strong grasp of grammar and usage. This course does not count toward an English major or minor. Prerequisite(s): Acceptance into Southern Scholars and completion of ENGL 101 with a grade of A- or higher, or permission of the instructor. WINTER

### **ENGL 106 - H:Critical Thinking in Academic Reading and Writing II—1 hour**

This course is required for Southern Scholars who have taken ENGL 102 rather than ENGL 103. The content of this class will be adjusted to meet the particular needs of the student as demonstrated in a portfolio of composition writing assignments. WINTER

### **ENGL 109 - Reading for Comprehension—1 hour**

Reading for Comprehension is designed to assist students in the development of college-level reading skills, with an emphasis on textbook reading. Includes literal and critical comprehension skills, vocabulary development, and reading efficiency. Online only. This course does not count toward the English major or minor. FALL | WINTER

### **ENGL 132 - Programmed Grammar Study—1 hour**

Programmed Grammar Study is a structured review of English grammar, mechanics, and usage for students who wish to improve proficiency in these skill areas. This course does not count toward an English major or minor. Online only. FALL | WINTER

### **ENGL 150 - English Major Qualification—0 hours hours**

This pass-fail class assesses a student's readiness to gain departmental acceptance as an English major, and is normally taken during the second semester of the freshman year. Coursework includes producing a writing portfolio, counseling with the student's adviser, presenting a record of success in ACT or SAT-Writing tests and selected college English courses, and carrying out such special essays or projects as may be assigned by the adviser. Although the Department of English chair is teacher of record, the adviser works directly with the student, and the department as a whole conducts the final evaluation to determine the student's grade. To complete an English major, a student must receive a Pass in this course. FALL | WINTER

### **ENGL 200 - Christian Service in English (SERV-2)—0 hours hours**

Christian Service in English provides students the option to complete a service project coordinated through the Department of English or in partial fulfillment of an ELIT or ENGL lower division course with a service-oriented project that fulfills one or two Level II requirements of the Christian Service program. FALL | WINTER

### **ENGL 202 - Grammar and Its Consequences (SERV-2)—3 hours**

This course is a rigorous description of English grammar (descriptive and prescriptive) focusing on how words function in sentences, how sentences relate to one another in paragraphs, and how grammar affects language and society. It introduces students to beginning concepts of sentence diagramming. The class may be waived as an English-major requirement for those who score 90% or higher on the associated pre-test. WINTER, even years

### **ENGL 209 - Teaching English in the Community—1 hour**

Teaching English in the Community covers fundamental principles and practices of teaching community members who wish to improve their reading, writing, and speaking skills in English. This course does not count toward the English major or minor. Online only. FALL | WINTER

### **ENGL 210 - English Convention/Study Tour—0-6 hours**

Students attend a conference or participate in a study tour designed to enrich their educational experience and promote effectiveness and job preparedness within their field of study. Requirements include attendance and maintaining a log of resulting reflection/learning experiences. Lab Fee: Based on destination. Prerequisite(s): Permission of instructor. FALL | WINTER

**ENGL 220 - Creative Writing: Tools of the Craft (IN-10)—3 hours**

This course is an introduction to creative writing. Students will read contemporary creative writers in four genres: short fiction, short literary nonfiction, poetry, and screen-plays, focusing on how “story” governs each genre. Students will learn, analyze, and imitate effective writer’s craft. Students will be required to write original work in all four genres. In addition, students will write short reflections on assigned readings as well as on their own writings. Students will analyze the effectiveness of contemporary writers’ use of the elements of story and of writer’s craft. Active class participation will be expected. A portfolio of original work from the semester will be required. Prerequisite(s): ENGL 101. WINTER

**ENGL 295 - Directed Study—1-3 hours**

The content of this course will be adjusted to meet the particular needs of the student. This course may be repeated for credit. FALL | WINTER

**ENGL 300 - Christian Service in English (SERV-2)—0 hours hours**

Christian Service in English provides students the option to complete a service project coordinated through the Department of English or in partial fulfillment of an ELIT or ENGL upper division course with a service-oriented project that fulfills one or two Level II requirements of the Christian Service program. FALL | WINTER

**ENGL 301 - English as a Second Language: Issues and Trends—3 hours**

The central purpose of this course is to provide experience in identifying, analyzing, and discussing significant current issues in the field of English as a Second Language with in-depth study of the history of English as a Second Language instruction. Additional study will focus on articles written by major researchers in this field. This course will also investigate the development and characteristics of various programs used in teaching English to limited English proficient (LEP) students and review current state and federal requirements affecting provision of services for non-English background learners. This course is cross-listed with EDUC 301. A student may receive credit for this course from only one program. FALL

**ENGL 302 - English as a Second Language: Strategies and Methods—3 hours**

See EDUC 302 for course description. This course is cross-listed with EDUC 302. A student may receive credit for this course from only one program. FALL | WINTER

**ENGL 306 - Creative Writing: Literary Nonfiction (W)—3 hours**

Students in this course will use creative writing craft to compose personal essays in a variety of forms. Students will read and analyze examples of both classical and contemporary creative non-fiction as models of effective writing. Writing assignments will be peer-reviewed in a workshop setting. Students will submit a substantial portfolio of original work tailored to their interests over the course of the semester. In addition, students will create and maintain a writer’s blog (or vlog) as a platform for their work. FALL, odd years

**ENGL 307 - Creative Writing: Fiction (W)—3 hours**

In this course, students will deepen their understanding of what makes nano-fiction, short stories, and novels effective through the reading of contemporary writers and the writing of original work that will be peer-reviewed in a workshop setting. Emphasis will be placed on the development of the writer’s voice. Students will submit a substantial portfolio of original work written over the course of the semester and tailored to their interests. FALL, even years

**ENGL 308 - Creative Writing: Poetry (W)—3 hours**

Students in this course will study the elements of writing poetry from the use of imagery and figurative language to both formal and organic poetic forms. Students will study contemporary poetry for writer’s craft and submit their work for peer-review in a workshop setting. Emphasis will be placed on the development of a collection of poetry ready for publication, which will be submitted as a portfolio of work written over the course of the semester. WINTER, even years

**ENGL 309 - Readings in English—1 hour**

Topics selected from language, literature, rhetoric, theory, or related areas of English. Online only. FALL | WINTER

**ENGL 313 - Expository Writing (W)—3 hours**

A workshop approach that provides practical instruction in expository writing for all disciplines. Emphasizes developing a natural writing style; writing economical but lively prose; increasing vocabulary; and cultivating a writing process which frees writer’s block and facilitates thoughtful, cogent, focused, coherent, and fluent writing. Involves reading and analysis of a wide variety of writing. Helpful for all students wishing to improve their writing skills, particularly those headed for graduate school or for professions in which writing is important. Tailored to the needs and interests of students who enroll. FALL

**ENGL 317 - Introduction to Linguistics—3 hours**

This class offers an overview of linguistic analysis. Using basic concepts from phonetics, phonology, morphology, syntax and sociolinguistics, students examine the nature of language and its pedagogical implications. The course also briefly surveys the history and development of the English language. FALL

**ENGL 320 - Rhetoric: The Performance of Argument—3 hours**

A survey of the theories and techniques of rhetoric from ancient Greece to the present. Particular attention is given to the ways in which contemporary writers can create appropriate rhetorical strategies for communicating in their own social and cultural contexts. WINTER

**ENGL 414 - Mapping the Publication Maze—3 hours**

This course is designed for serious, experienced creative writers who plan to publish their writing. Instruction will be given regarding the different options for publication today and the advantages and disadvantages of each. Students will research potential publication venues for their work and will be required to submit their writing for publication during the semester. Prerequisite(s): ENGL 307 or ENGL 308 and portfolio. FALL, odd years

**ENGL 420 - Technical and Professional Writing—3 hours**

A course created to teach students to design and produce documents that communicate professional and technical information effectively and efficiently. The course will emphasize the clarity, accuracy, and correctness demanded by writing in various workplace genres, for example, letters, memos, reports, directions, and explanations. Students will learn to analyze audience needs and modify their communications accordingly. Lab Fee: 4 (\$30). This course is cross-listed with COMM 420. A student may receive credit for this course from only one program. FALL

**ENGL 460 - Senior Research Project in English—1 hour**

In this course, which all English majors are required to pass, students will learn how to enter academic conversations, craft arguments, and draw conclusions based on intensive research, writing, and discussion. The product, a full-length academic essay, may be presented at an academic conference and/or used as a writing sample for graduate school or job applications. Enrollment is limited to two students per upper-division English class, and not all classes will accommodate this project in a given semester. Additional information appears in the current "Senior Research Project in English" guidelines. Prerequisite(s): Permission of the instructor. FALL | WINTER

**ENGL 465 - Topics in English—1-3 hours**

Selected topics in English presented in a classroom setting. Subjects covered will determine how the class applies to the major. This course may be repeated for credit. FALL | WINTER

**ENGL 476 - Practicum: English as a Second Language—1 hour**

Supervised experience in a community setting working with adult ESL students, including a minimum of twenty (20) clock hours of teaching in a community setting, maintaining a reflective teaching journal of classroom experiences, building a portfolio of lesson plans and materials development, and participating in TESOL webinars or use of other training materials. Can be waived with relevant student missionary experience. FALL | WINTER

**ENGL 491 - English Practicum—0-3 hours hours**

The student gains on-the-job experience using English skills in a part-time work situation (maximum of 25 hours per week). A department coordinator works with the student and a local business to oversee placement and evaluation. Both the student and the business assess in writing the quality and nature of the work experience. The student receives 1 credit hour for each 50 hours of work experience. A minimum of 150 hours of supervised work is required as a major requirement. Positions can be paid or non-paid. Procedures and guidelines are available from the department. (Pass/Fail credit). Prerequisite(s): 18 hours in the major, ENGL 313, and formal approval by the department. FALL | WINTER | SUMMER

**ENGL 493 - English Internship—0-3 hours hours**

The student gains on-the-job experience using English skills in a full-time work situation (minimum of 35 hours per week). A department coordinator works with the student and a selected business to oversee placement and evaluation. Both the student and the business assess in writing the quality and nature of the work experience. A minimum of 150 hours of supervised work is required. Positions can be paid or non-paid. Procedures and guidelines are available from the department. (Pass/Fail credit). Prerequisite(s): 18 hours in the major, ENGL 313, and formal approval by the department. FALL | WINTER | SUMMER

**ENGL 495 - Directed Study—1-3 hours**

See ENGL 295 for course description. FALL | WINTER

**Engineering****ENGR 121 - Introduction to Engineering—1 hour**

Exposure to the diverse aspects of the profession and practice of engineering and engineering design. Class will include guest lecturers and engineering design projects. Lab Fee: 4 (\$ 30). FALL

**ENGR 149 - Introduction to Mechanical Drawing and CADD—3 hours**

An introductory level course in Computer-Aided Drafting Design (CADD) using AutoCAD software in orthographic projection, surface development, sectioning, pictorial representation, dimensioning, and working drawings. Drawings plotted to scale on A, B, C, and D size paper. Six periods of laboratory each week. Lecture as announced by the instructor. Lab Fee: 3 (\$20). This course is cross-listed with TECH 149. A student may receive credit for this course from only one program. FALL

**ENGR 211 - Engineering Mechanics: Statics—3 hours**

Two and three-dimensional equilibria employing vector algebra, moment of a force, friction, structural analysis, centroids and center of mass, virtual work, and moments of inertia. Pre- or Co-requisite: MATH 192 ; PHYS 221. FALL

**ENGR 212 - Engineering Mechanics: Dynamics—3 hours**

One and two-dimensional kinetics and kinematics of rigid bodies by vector calculus; dynamics of rotation, translation and plane motion; relative motion; work and energy; impulse and momentum. Pre- or Co-requisite: ENGR 211; MATH 218; PHYS 222. WINTER

**ENGR 228 - Linear Circuit Analysis—3 hours**

Basic concepts of DC and AC circuit theory and analysis. Basic concepts of circuit behavior, circuit analysis theorems and methods, and RLC circuits including circuit variables and parameters; Kirchoff's laws and network solution; equivalent circuits, network theorems; natural and complete response; sinusoidal steady-state, phasors, and impedance. Introduction to test and measurement instrumentation, experimental techniques for analysis and characterization of electrical circuits. Includes three hours of laboratory each week. Pre- or Co-requisite: Pre- or co-requisites: PHYS 222. WINTER

**ENGR 295 - Directed Study—1-3 hours**

Individual or group work adjusted to meet particular needs of engineering studies students. Formal written report required. May be repeated for credit.

**Earth Science****ERSC 105 - Earth Science (IN-7)—3 hours**

A non-mathematical and qualitative introduction, for non-science majors, to the areas of physical geography, geology, and meteorology. Special consideration is given the environment-conservation or pollution of natural resources. FALL | WINTER | SUMMER

**Finance****FNCE 265 - Topics in Finance—1-3 hours**

Selected topics designed to meet the needs or interests of students in specialty areas of business and management. This course may be repeated for credit with permission. Prerequisite(s): Permission of the instructor. FALL | WINTER

**FNCE 295 - Directed Study—1-3 hours**

A directed study involves individualized research into a selected topic chosen by the faculty adviser and the student. Prerequisite(s): Approval of the Dean of the School.

**FNCE 315 - Principles of Finance—3 hours**

A study of the fundamental principles of financial organization. Emphasis is on instruments of finance, policies of capitalization, problems pertaining to working capital, and corporate expansion and reorganization. Prerequisite(s): ACCT 222 with a grade of C or higher. FALL | WINTER

**FNCE 425 - International Finance—3 hours**

Financial management and economic theory in the international environment. The impact of regulation, taxation, capital and money markets, working capital management, capital budgeting, risk, and exchange rates on decision-making are considered. Consideration is also given to the development and application of economic principles within the world economy. Prerequisite(s): FNCE 315 with a grade of B or higher. WINTER

**FNCE 448 - Corporate Finance—3 hours**

This course explores advanced topics in regard to corporate financial management. The objective is to focus on the factors that influence the decisions of corporate managers and the impact of those decisions on the value creation of the firm in terms of working capital, capital investment, capital structure, and shareholder distributions. The approach of the course will be rigorous and analytical. The topics covered include: working capital issues, capital budgeting topics, capital structure, leases, hybrid securities, derivatives, shareholder distributions, mergers, divestitures, firm failure, and international financial issues. This course is cross-listed with FNCE 548. A student may receive credit for this course from only one program. Prerequisite(s): FNCE 315 with a grade of B or higher. WINTER

**FNCE 450 - Working Capital Management—3 hours**

Includes topics addressing short-term financial management. In addition, the course covers the cost to benefit trade-offs of liquidity, management of working capital, management and budgeting of cash, and short-term investing and financing issues. This course is cross-listed with FNCE 550. A student may receive credit for this course from only one program. Prerequisite(s): FNCE 315 with a grade of B or higher. WINTER

**FNCE 452 - Financial Markets—3 hours**

See ECON 452 for course description. This course is cross-listed with ECON 452 and FNCE 552. A student may receive credit for this course from only one program. Prerequisite(s): ECON 224; FNCE 315 with a grade of B or higher. FALL, even years

**FNCE 455 - Fundamentals of Investments—3 hours**

A practical, as well as a theoretical, approach is taken for the potential investor of institutional or personal funds through the use of problems, readings, and cases. Topics covered will include stocks and bonds in the security market, real estate, and fixed equipment investments. This course is cross-listed with FNCE 555. A student may receive credit for this course from only one program. Prerequisite(s): FNCE 315 with a grade of B or higher. FALL

**FNCE 461 - Portfolio Management—3 hours**

Includes consideration of investment instrument choices that are available to the investor and the purpose and operation of U.S. and global capital markets. The course also covers the methods of evaluation for current and future investment opportunities in the expansion of a portfolio of investments that satisfies an investor's risk-return goals. Prerequisite(s): FNCE 315 with a grade of B or higher. Winter, even years

**FNCE 465 - Topics in Finance—1-3 hours**

See FNCE 265 for course description. Prerequisite(s): FNCE 315 with a grade of B or higher or Permission of the instructor. FALL | WINTER

**FNCE 491 - Finance Practicum—0-3 hours hours**

A practicum consists of supervised volunteer/work experience in related fields of accounting/finance on a part-time basis. The work may be done at various job sites. A minimum of 50 clock hours of work experience is required for each semester hour of credit. Students choosing 0 hours will receive a grade of pass/fail. (Note: A maximum of 3 credit hours of practicum and/or internship may apply as an elective in the major.) Prerequisite(s): Junior or senior status and permission of a supervising professor. (Registration for this course and an agreement with a supervising professor must be completed prior to beginning the work experience). FALL | WINTER | SUMMER

**FNCE 492 - Finance Internship—0-3 hours hours**

An internship consists of on-the-job experience working under supervision in an accounting/finance office on a full-time basis. All hours must be completed on one job site. A minimum of 100 clock hours of work experience is required for each semester hour of credit. Students choosing 0 hours will receive a grade of pass/fail. (Note: A maximum of 3 credit hours of practicum and/or internship may apply as an elective in the major.) Prerequisite(s): Junior or senior status and permission of a supervising professor. (Registration for this course and an agreement with a supervising professor must be completed prior to beginning the work experience). FALL | WINTER | SUMMER

**FNCE 495 - Directed Study—1-3 hours**

See FNCE 295 for course description. Prerequisite(s): Approval of the Dean of the School.

**FNCE 497 - Finance Research—3 hours**

This course permits students to apply principles of research and statistical analysis of data leading to the completion of a research project. Prerequisite(s): MATH 215; FNCE 450. FALL | WINTER

**French****FREN 101 - Elementary French I—3 hours**

This is a foundation course in basic language skills. Students who have any background in French must take the language placement examination. Students should contact department for details on specific scores. This course develops listening and reading strategies with emphasis on oral and written forms of communication. Laboratory work required. Lab Fee: 3 (\$20). FALL | WINTER

**FREN 102 - Elementary French II—3 hours**

This course is a continuation of the development of basic language skills. Written and oral communication is strongly emphasized. It concentrates on developing the ability to use the language creatively to deal with daily life situations within the French-speaking context. Laboratory work required. Lab Fee: 3 (\$20). Prerequisite(s): FREN 101 or score a minimum of 296 on placement examination, or approval of the department. WINTER

**FREN 207 - Intermediate French I—3 hours**

Review and expansion of grammar/vocabulary as students develop speaking, writing, reading, and listening skills. Readings and discussions focus on topics related to the culture of the French-speaking world. Laboratory work required. Lab Fee: 3 (\$20). Prerequisite(s): FREN 102 or score a minimum of 356 on placement examination, or approval of the department. FALL

**FREN 208 - Intermediate French II—3 hours**

Continues to review and expand student-knowledge of grammar/vocabulary as students develop speaking, writing, reading, and listening skills. Readings and discussions focus on topics related to the culture of the French-speaking world. Laboratory work required. Lab Fee: 3 (\$20). Prerequisite(s): FREN 207 or score a minimum of 440 on placement examination or approval of the department. WINTER

**FREN 244 - French Composition and Conversation—3 hours**

Course designed to enhance oral and written proficiency along with vocabulary expansion, and to review grammatical structures. It emphasizes description and narration, extending to the broader French-speaking world. FREN 244 and FREN 344 is a strongly suggested sequence for students who minor in French. Prerequisite(s): FREN 208 or approval of the department. FALL

**FREN 265 - Topics in French—1-3 hours**

Selected topics in French presented in a classroom setting. Subjects covered will determine how the course applies to the major. This course may be repeated for credit. FALL | WINTER

**FREN 295 - Directed Study—1-3 hours**

Emphasizes individual, directed study. Designed for students who want to conduct independent research in a specific subject in the field of modern languages. Faculty will assist student with selection of topic and serve as consultant for the project. This course is limited primarily to the department majors and must be approved by the Chair of Modern Languages.

**FREN 305 - French for Business—3 hours**

This course seeks to develop knowledge and proficiency in the French economic and business world. It includes vocabulary review; practice of oral and written expression, marketing, banking, employment, job hunting, interviewing, accounting, and publicity. Written expression of business correspondence is one of the topics discussed. Prerequisite(s): A minimum of one (1) academic year at Collonges (ACA) prior to taking this course.

**FREN 344 - Advanced French Composition and Conversation—3 hours**

Designed to enhance oral and written proficiency along with vocabulary expansion, and to review grammatical structures. It focuses on *Nous* and *Les Autres*, incorporating description and narration, extending to the broader French-speaking world, incorporating current events and argumentation along with vocabulary study and grammar refinement. FREN 244 and 344 is a sequence particularly suggested for students who minor in French. Prerequisite(s): FREN 208 and FREN 244 or approval of the department.

**FREN 350 - French Linguistics—3 hours**

An intensive course designed to enhance oral and written proficiency along with vocabulary expansion. It focuses on the study of syntax, morphology, phonetics, and phonology as components of the generative grammar of the French language. Open to eligible students returning from ACA. This course is required for majors in French. Prerequisite(s): FREN 208 and FREN 244 or equivalent, or approval of the department.

**FREN 353 - Contemporary French Culture and Civilization (SERV-2)—3 hours**

This course focuses on contemporary French culture and civilization and emphasizes social, political, and artistic trends, and intellectual movements that have contributed to the institutions and character of modern France. Course conducted entirely in French. Prerequisite(s): FREN 244 or approval of the department.

**FREN 357 - Survey of French Medieval and Renaissance Literature (W)—3 hours**

Close reading and discussion of selected works from the period (eleventh through sixteenth centuries) viewed in the socio-historical, intellectual, and artistic context: *Chanson de Roland*, *Roman de Renart*, *Aucassin et Nicolette*, *Farce de Maître Pathelin*, and works by Chrétien de Troyes, Villon, Rabelais, the *Pléiade*, and *Montaigne*. Prerequisite(s): FREN 244 and MDLG 230 or approval of the department.

**FREN 358 - Survey of French 17th and 18th Centuries Literature (W)—3 hours**

This course is a study of neo-classical tragedy and comedy as illustrated in select texts of Corneille, Molière, Racine, Marivaux, and Beaumarchais. It experiments in narrative fiction, including works by Mme de Lafayette and Prévost. The art of epistolarity: Pascal and the polemical letter, Mme de Sévigné and the personal letter, Voltaire and the traveler's letter. Focus on topics: *préciosité* and sensibility; feminism and modernity; rationalism and *esprit critique*. Prerequisite(s): FREN 244 and MDLG 230 or approval of the department. FALL | WINTER

**FREN 458 - Survey of French 19th and 20th Centuries Literature (W)—3 hours**

Studies the main literary works and currents in the modern era in their historical context. Based on an interdisciplinary approach linking literary theory with history, sociology, and psychology. Works studied: Chateaubriand, Réné; Balzac, *Le Père Goriot*; Hugo, *Hernani*; Baudelaire, *Les Fleurs du mal*; Gide, *La Symphonie pastorale*; Camus, *L'Étranger*; Duras, *Moderato Cantabile*. Prerequisite(s): FREN 244 and MDLG 230 or approval of the department. FALL | WINTER

**FREN 459 - Francophone Cultures and Literatures (W)—3 hours**

This course proposes a cultural and literary journey based on a variety of texts throughout the main French-speaking regions of the world: the African continent, South East Asia, French Canada, Belgium, Switzerland, the French-speaking islands of the Caribbean. This approach is intended to stress and place into perspective these geographical and national entities. Guest-speakers closely related, either as native speakers or by their professional experience to French-speaking Africa, Canada, or the Caribbean will be invited when available. Prerequisite(s): FREN 244 and MDLG 230 or approval of the department.

**FREN 465 - Topics in French—1-3 hours**

See FREN 265 for course description. FALL | WINTER

**FREN 490 - Comprehensive Examination Preparation—1 hour**

This course is designed to provide academic support for French majors who will be taking the MCE required for graduation. One member of the faculty will meet with the student regularly to provide the opportunity to cover material pertinent to this examination. French majors must take this course in the last semester prior to graduation. Results of the MCE will be the final grade for this course. FALL | WINTER

**FREN 495 - Directed Study—1-3 hours**

See FREN 295 for course description.

**Geography****GEOG 204 - World Geography (SERV-2)—3 hours**

Maps, land forms, soil, mineral resources, weather, and climate are considered. Man's adjustment to various physiographic regions is studied. Lab Fee: 4 (\$30). WINTER

**Global Community Development****GCDP 405 - Foundations of Christian Values and Witness in Development/Relief—2 hours**

Students will assimilate Biblical perspectives for abundant life, transformation, servanthood, and the role of Christian witness in sustainable development missiology. FALL | WINTER

**GCDP 410 - Theories of Global Community Development/Relief—2 hours**

Students will examine diverse theoretical approaches for planning, conducting, and evaluating community-owned development/relief projects. FALL | WINTER



**GCDP 415 - Principles of Development Entrepreneurship—2 hours**

Students will identify resource generation opportunities and craft entrepreneurship strategies that enables sustainable community change. FALL | WINTER

**GCDP 420 - Techniques for Project Planning and Capacity Building—2 hours**

Students will explore and define how they will assist community leaders to plan, propose, budget, and staff results-oriented development/relief projects. FALL | WINTER

**GCDP 425 - Methods of Scholarship in Development/Relief—2 hours**

Students will demonstrate the research scholarship skills necessary for facilitating evidenced-based and results-oriented community practice outcomes. FALL | WINTER

**GCDP 428 - Preparation for Global Service—1 hour**

In this course students will prepare for their deployment to the project site of their Experiential Learning rotation. Logistical, safety, and practical preparedness will be addressed. SUMMER

**GCDP 465 - Special Topics Seminar—1 hour**

In this seminar, students will explore topics of current significant and/or professional interest for a specific sector in global community development/relief. FALL | WINTER

**GCDP 492 - Field Practice Internship—1-7 hours**

Opportunity for experiential internship learning in development practice settings. One hundred hours of internship must be done for each credit. Field learning will evidence competencies of knowledge, values, and skills that students have accumulated during their degree program. This course will be graded pass/fail. FALL | WINTER | SUMMER

**German****GRMN 101 - Elementary German I—3 hours**

A foundation course in the basic language skills. Laboratory work is required. Students who have not taken any German language must enroll in GRMN 101. This course develops listening and reading strategies with an emphasis on oral and written forms of communication. Lab Fee: 3 (\$20). FALL

**GRMN 102 - Elementary German II—3 hours**

This course is a continuation of the development of basic language skills. Oral and written communication are strongly emphasized. Laboratory work is required. Those students who have any background in German must seek departmental permission to enroll in any German course other than GRMN 101. Lab Fee: 3 (\$20). Prerequisite(s): GRMN 101 or approval of the department. WINTER

**GRMN 207 - Intermediate German I—3 hours**

Continued emphasis on the development of listening and speaking skills. There is, however, an increased emphasis on reading and writing skills through short selections in German. Laboratory work is required. Students may receive credit by passing a "Challenge Examination" with a grade of B or better. For information on the examination, students should refer to Southern's Catalog and/or Modern Languages faculty for details. Those students who have any background in German must seek departmental permission to enroll in any German course other than GRMN 101. Lab Fee: 3 (\$20). Prerequisite(s): GRMN 102 or approval of the department. FALL

**GRMN 208 - Intermediate German II—3 hours**

This course maintains a strong emphasis on listening and speaking skills. Through reading of more extensive texts and informal writing as a support for speaking, it develops oral fluency toward more effective narrative. Laboratory work is required. Students may receive credit by passing a "Challenge Examination" with a grade of B or better. For information on this examination, students should refer to Southern's Catalog and/or Modern Languages faculty for details. Those students who have any background in German must seek departmental permission to enroll in any German course other than GRMN 101. Lab Fee: 3 (\$20). Prerequisite(s): GRMN 207 or approval of the department. WINTER

**GRMN 295 - Directed Study—1-3 hours**

A course emphasizing individual directed study. This course is for students who want to conduct independent research in a specific subject of modern languages. Faculty will assist students with selection of topic and serve as a consultant for the project. This course is limited primarily to the department majors and must be approved by the Chair of Modern Languages.

**GRMN 495 - Directed Study—1-3 hours**

See GRMN 295 for course description.

**History****HIST 145 - The American Civil War: From the Cornfields to the Battlefields—3 hours**

This course covers the American Civil War, from the major figures and the politics and battles they fought, to the common soldiers on the fields of battle and the civilians on the home front. A variety of resources are used in the class, including primary source material, texts, and various other secondary sources. No general education credit given.

**HIST 154 - U.S. History through the Civil War (IN-6)—3 hours**

An introductory survey of the nation from colonial times to reconstruction. The development of its politics, government and social institutions is covered in each semester of the sequence. This course is recommended as general education for freshmen and sophomores.

**HIST 155 - U.S. History since the Civil War (IN-6)—3 hours**

An introductory survey of the nation from reconstruction to the present. The development of its politics, government and social institutions is covered in each semester of the sequence. This course is recommended as general education for freshmen and sophomores.

**HIST 174 - World Societies to 1500 (IN-6)—3 hours**

A study of the development of Western and non-Western culture and government, emphasizing the evolution of European society and its interaction with non-European civilizations. This course is recommended as general education for freshmen and sophomores.

**HIST 175 - World Societies since 1500 (IN-6)—3 hours**

A study of the development of Western and non-Western culture and government, emphasizing the evolution of European society and its interaction with non-European civilizations. This course is recommended as general education for freshmen and sophomores.

**HIST 265 - Topics in History—3 hours**

Selected topics in history presented in classroom setting. Subjects covered will determine whether credit is granted in Area I or Area II. This course may be repeated for credit.

**HIST 278 - History of Western Architecture—3 hours**

Studies of the history of western architecture and urban design. Focus on religious and secular monuments and their settings. Domestic architecture and infrastructure, regional constructional, and compositional traditions from ancient, medieval, and Renaissance through to the 20th century. This course is cross-listed with TECH 278. A student may receive credit for this course from only one program. Prerequisite(s): ENGL 102 with a grade of C- or better.

**HIST 280 - Technology and Power (IN-6)—3 hours**

Utilizing a combination of primary and secondary sources, this honors history course will look at the dramatic extension of European power into Asia, Africa, and the Americas, beginning in the 15th century and proceeding through the 19th century. We will examine how the interplay among accumulated technique, a culture of competition, and varying environments led to extensive conquest. We will further consider how societies choose how and to what extent to utilize available technologies to pursue national goals.

**HIST 294 - International Study Tour—3 hours**

Study tours led by historians outside the United States of America will combine tourism with reading and writing based on primary and/or secondary texts which support the study of the places being visited. Lab Fee: Additional fees may be charged. SUMMER

**HIST 295 - Directed Study—1-3 hours**

A course emphasizing individual directed study. The instructor to whom a student is assigned will determine whether credit is upper or lower division. This course also includes credit offered by the History Department on directed study tours. Writing emphasis credit for HIST 495 only. Approval of the department is required prior to registration.

**HIST 296 - U.S. Study Tour—3 hours**

Study tours led by historians in the United States of America will combine tourism with reading and writing based on primary and/or secondary texts which support the study of the places being visited.

**HIST 298 - Historiography (SERV-2)—3 hours**

A course examining historiography, which is the study of historical consciousness and historical writing. The class will focus on Western historiography (classical, European, and the United States). General education credit will not be given. Lab Fee: 16 (\$500).

**HIST 312 - Historical and Political Geography—3 hours**

This course considers the interaction between world cultures, environments, and geographic regions to explain patterns of human history and political development.

**HIST 345 - Middle Eastern Politics and History (IN-6) (W)—3 hours**

This course traces the major religious and political developments in the Middle East from the rise of Islam through the twentieth century. Any or all of the following topics may be included: Islamic empires; Crusades; Ottoman nationalism; Islam's encounter with the West; the issue of Islamic-Arab nationalism. This course is cross-listed with PLSC 345. A student may receive credit for this course from only one program.

**HIST 351 - Colonial Latin America (IN-6) (W)—3 hours**

Set in the context of Spanish empire and imperial ideology, the course begins with the cultural legacy of high pre-Columbian civilizations in Latin America and traces the interaction of the native people with Spanish exploration and conquest. It focuses primarily on Spanish political and social organization, the responses of the native people to growing Spanish political hegemony, and the gradual development of theories of race, empire, faith which culminated in a recognizably unified Spanish American world.



**HIST 352 - Nineteenth Century America (IN-6)—3 hours**

A study of American history from the early republic to the 20th century, including Jeffersonian and Jacksonian America, the Civil War, Reconstruction, and the Gilded Age.

**HIST 353 - From Colony to Nation (IN-6) (W)—3 hours**

A detailed survey of American political and social history from 1607 to 1800, including the founding of the thirteen colonies, the American Revolution, and the establishment of the new nation.

**HIST 355 - History of the South (IN-6) (W)—3 hours**

A study of the American South from the Early National period through Reconstruction. Prominent issues will include slavery, sectionalism, the Civil War, and Reconstruction.

**HIST 356 - Race, Ethnicity, and Immigration in American History (IN-6) (W)—3 hours**

A study of immigration and the role of ethnic groups in American society. Special emphasis on the tension between assimilation and pluralism in the national character. This course is cross-listed with PLSC 356. A student may receive credit for this course from only one program.

**HIST 357 - Modern America (IN-6) (W)—3 hours**

A study of American History from 1900 on with special examination of the progressive era, normalcy, the depression, the New Deal, and the role of the United States in world affairs.

**HIST 359 - Transformation of American Culture (W)—3 hours**

A topical approach to nineteenth and twentieth-century American history, focusing on the modernization of life. Among the topics that may be covered are entertainment, the media, urban culture, social relations, transportation, and art and architecture.

**HIST 363 - Christian Church I: From the Early Church Through the Middle Ages (IN-6)—3 hours**

A study of the history of western Christianity from the end of the apostolic period to the end of the Middle Ages, emphasizing both institutional and theological development. This course is cross-listed with HIST 364. A student may receive credit for this course from only one program.

**HIST 364 - Christian Church I: From the Early Church Through the Middle Ages (IN-6) (W)—3 hours**

See HIST 363 for course description.

**HIST 365 - Christian Church II: From the Reformation Through the Twentieth Century (IN-6) (W)—3 hours**

A study of the reorientation of western Christianity, beginning with the Protestant Reformation and culminating with contemporary religious trends.

**HIST 366 - Christian Church II: From the Reformation Through the Twentieth Century (IN-6)—3 hours**

A study of the reorientation of western Christianity, beginning with the Protestant Reformation and culminating with contemporary religious trends. This course is cross-listed with HIST 365. A student may receive credit for this course from only one program.

**HIST 372 - Modern China—3 hours**

This course on both 'modern Chinese history' and 'China today' examines events and periods in China's history since the Opium Wars. Throughout the semester students will also be given readings and will participate in discussions which juxtapose modern Chinese history with current events in China today. Thus this course is more than just a study of modern Chinese history, but also a study of how that history impacts the Chinese today. Students will use Chinese history as a tool for understanding the direction and decisions of the Chinese government and the challenges that government faces in the contemporary era. These contemporary challenges will also be placed within the context of three broad themes that appear most important to the Communist Chinese Party today: Stability, sustainability, and territorial integrity. Within these themes major challenges facing China today will be framed within a historical perspective and students will develop a new lens, a Chinese historical lens, through which they will use to interpret contemporary China. This course is cross-listed with PLSC 372. A student may receive credit for this course from only one program.

**HIST 374 - History of England (IN-6) (W)—3 hours**

A survey of the history of Great Britain from Roman times to the twentieth century, emphasizing political, cultural, and economic developments which have influenced western civilization as a whole. FALL, even years

**HIST 375 - Ancient Mediterranean World (IN-6) (W)—3 hours**

A study of the three stages of ancient civilization, the Ancient Near East, Greece, Rome, and the contribution each has made to the development of western culture.

**HIST 379 - American Foreign Policy—3 hours**

This course will examine American foreign policy since the mid-1930s. Major themes of American foreign policy and diplomacy will be engaged. This will begin with American public diplomacy in the late 1930s, will continue through WWII, shifting strategies during the Cold War, in the post-Cold War, and post-9/11. We will also touch on the nuts and bolts of policy making and how the State Department's Foreign Services Officers, the military's Special Forces, and the CIA's clandestine Directorate of Operations help inform, shape, and carry out American foreign policy. Special attention will also be given to the role religion has played in the shaping of American foreign policy. This course is cross-listed with PLSC 379. A student may receive credit for this course from only one program.

**HIST 380 - Pirates, Captives, and Slaves in the Early Modern World (IN-6) (W)—3 hours**

A survey of piracy and slavery in the Atlantic, Mediterranean and Indian Ocean worlds from 1500 to 1750. Readings will include personal captivity narratives as well as biographies of pirates and histories of the slave trade.

**HIST 386 - Medieval Europe (IN-6) (W)—3 hours**

A study of European history from the fall of Rome to the beginning of the modern age, focusing on those developments which have influenced the institutions and values of modern western civilization. The chronological emphasis is on the eleventh through the sixteenth centuries.

**HIST 387 - Europe in the Nineteenth Century (IN-6) (W)—3 hours**

A study of Europe's "long century," from the French Revolution of 1789 to the beginning of World War I in 1914. The course traces Europe's development from a predominantly aristocratic and agricultural culture to an emerging democratic and industrial civilization, devoting particular attention to cultural and social changes.

**HIST 388 - Contemporary Europe (IN-6) (W)—3 hours**

An assessment of political developments and international relations since the outbreak of World War I. Such antithetical forces as peace and war, power and weakness, and sovereignty and dependence are studied in their historical setting. Students may earn either history or political science credit, depending on individual assignments. This course is cross-listed with PLSC 388. A student may receive credit for this course from only one program.

**HIST 389 - History of the Holocaust (W)—3 hours**

A study of the historical and social circumstances leading to and surrounding the Jewish Holocaust. This course explores several theories of the event.

**HIST 450 - History Seminar—3 hours**

A yearly course that varies in topic depending on the professor who teaches it. Seminars are designed to introduce history majors to the rich historiography of a single period, theme, or event. Students are expected to investigate the primary sources on the topic as well as develop a research paper. Students should find this seminar to be one of the richest of their major experiences because they will drill down on a single subject in a more intensive manner than is possible in most of their other history courses.

**HIST 464 - Topics in History—1-3 hours**

Selected topics in history presented in classroom setting. Subjects covered will determine whether credit is granted in Area I general education. This course may be repeated for credit.

**HIST 465 - Topics in History [465 typically qualifies as a (W) course]—3 hours**

See HIST 265 for course description.

**HIST 471 - Western Political Thought through the Renaissance (W)—3 hours**

A study of the key thinkers in western thought from the Heroic Age of Greece to the Renaissance. Reading from original sources, this class will emphasize the discussion and analysis of ideas that have formed the basis of western thought. Included in the readings are selections from Herodotus, Cicero, St. Augustine, Boccaccio, Montaigne, and St. Ignatius of Loyola. This course is cross-listed with PLSC 471. A student may receive credit for this course from only one program. Prerequisite(s): Permission of Instructor.

**HIST 472 - Western Political Thought since the Renaissance (W)—3 hours**

A study of the key thinkers in the nineteenth and twentieth centuries. Reading from original sources, this class will emphasize discussion of critical ideas that have affected the evolution of contemporary social and political thought. Included in the readings are selections from Locke, Mill, Marx, Nietzsche, Lenin, and Hitler. This course is cross-listed with PLSC 472. A student may receive credit for this course from only one program. Prerequisite(s): Permission of Instructor.

**HIST 490 - Senior Exam Preparation—1 hour**

Independent Study and reading in preparation for the one hour oral assessment exam taken by senior history majors.

**HIST 494 - International Study Tour—3 hours**

See HIST 294 for course description. Lab Fee: Additional fees may be charged.

**HIST 495 - Directed Study (W)—1-3 hours**

See HIST 295 for course description.

**HIST 496 - U.S. Study Tour—3 hours**

See HIST 296 for course description.

**HIST 497 - Research Methods in History (W)—3 hours**

Historical theories, procedures, and research methods are examined in conjunction with the preparation of a research project using primary sources. No general education credit given. Lab Fee: 5 (\$60). Prerequisite(s): HIST 298; Word processing and familiarity with Internet searches are prerequisites to this course; Students must have completed at least one writing (W) class.

## Health Education

**HLED 129 - Introduction to Wellness—2 hours**

This course provides an overview of the wellness profession including its history, current trends, opportunities, and exposure to the wellness thought process. An understanding of the philosophical underpinnings of the wellness profession is explored and developed. This course requires ten (10) hours of field based experience. FALL

**HLED 173 - Health for Life—2 hours**

The study of the six dimensions of health forms the foundation of this course. The health dimensions are: Physical, social, spiritual, psychological, intellectual, and environmental. The class focus will be to integrate healthful living with today's scientific research and Christianity into a balanced lifestyle. Specific topics include: Alcohol, tobacco, and drugs; mental health; weight management; fitness; human sexuality; safety; nutrition; and stress. Perspectives of health, particularly from Ellen G. White, and others will be explored. FALL

**HLED 210 - Medical Terminology—1 hour**

Medical terminology is the study of the principles of medical word building to help the student develop the extensive medical vocabulary used in health care occupations. Students receive a thorough grounding in basic medical terminology through a study of root words, prefixes and suffixes. The study focuses on correct pronunciation, spelling and use of medical terms. Anatomy, physiology, and pathology of disease are discussed yet no previous knowledge of these topics is necessary. FALL | WINTER

**HLED 229 - Wellness Applications—2 hours**

Learn how to live life with more passion, peace, purpose, and vitality. Learn how to bring more balance into your life through a practical application of the principles of wellness. This course teaches what wellness is by empowering the student to personally apply the tools of wellness. These tools encourage the development of the dynamic potential of body, mind, and spirit. This in turn brings about a balanced development of the whole person. WINTER, odd years

**HLED 250 - Corporate Wellness Environments—2 hours**

Corporate Wellness Environments provides students with knowledge of the role that wellness programs and professionals play in the corporate arena. Students will identify several different types of corporate wellness programs and engage in shadowing activities in these various environments. The benefits of a wellness program for the corporation and the individual will be discussed. Interviews with wellness professionals will also be conducted. WINTER, even years

**HLED 265 - Topics in Health Education—1-3 hours**

Topics selected from areas of health education not covered in other courses. This course may be repeated for credit. FALL | WINTER

**HLED 345 - Wellness Coaching—3 hours**

The wellness coaching class will teach the student current, best practice counseling techniques using collaboration with participants to identify and set realistic, measurable and time based goals, for changing behaviors that will support a healthy lifestyle. This is a paradigm shift away from prescribing health behavior changes giving the participant motivational "buy-in". The student will receive a Wellness Coaching certification from the National Society of Health Coaches upon successful completion of this course and a test pass completion of a NSHC certification examination. Lab Fee: 12 (\$300). FALL

**HLED 356 - Drugs and Society—2 hours**

A course focusing on the use and abuse of drugs in our society. Emphasis on strategies to assist future health promoters in recognition, intervention, and prevention of substance abuse. Oral presentation required. FALL

**HLED 373 - Prevention and Care of Athletic Injuries—2 hours**

Investigations into the prevention, care, and proper management of injuries related to athletics. Lab Fee: 6 (\$90). FALL | WINTER

**HLED 465 - Topics in Health Education—1-3 hours**

Topics selected from areas of health education not covered in other courses. This course may be repeated for credit. FALL | WINTER

**HLED 470 - Current Issues in Health (SERV-2)—2 hours**

This seminar course is designed to assist students in becoming knowledgeable regarding health issues of our time. Library research, class and campus presentations are required. Discussion and problem solving are emphasized. A major part of the class focuses on the use of qualitative research methods to answer questions in current health issues. A service activity is a course requirement. WINTER

**HLED 473 - Health Education Methods—2 hours**

A study of the theoretical and scientific basis of health education with emphasis on the development and organization of the school health instruction program. Two oral presentations required. Prerequisite(s): HLED 173. WINTER

**HLED 476 - Wellness Methods, Materials, and Management—3 hours**

A course in planning, implementing and evaluating: work-site and community health promotion activities, including stress management, smoking cessation, cardiovascular fitness, body composition, and cholesterol testing. Oral presentation required.

**HLED 491 - Wellness Capstone—2 hours**

The student will work at a wellness facility for not less than 100 clock hours gaining experience with equipment, observing facility scheduling and management, and interacting with clients. Arrangements are made in advance with the school dean. FALL | WINTER | SUMMER

## Health Services and Senior Living Administration

### HSSL 265 - Topics in Health Services and Senior Living Administration—1-3 hours

Selected topics designed to meet the needs or interests of students in specialty areas of business and management. This course may be repeated for credit with permission. Prerequisite(s): Permission of the instructor. FALL | WINTER

### HSSL 295 - Directed Study—1-3 hours

A directed study involves individual research work open only to business majors. Content to be arranged. Approval must be secured from Dean of the School prior to registration.

### HSSL 390 - Internship in Home Community Based Organizations—1 hour

The internship is designed to provide the student with 150 clock hours of management training experience in a Home and Community Based (HCBS) organization under the supervision of an experienced director. The HCBS organization must be approved by the HSSL program director. After completing this course, the student will have a deeper understanding of the regulatory requirements, administrative procedures and day-to-day operations of an HCBS organization. Prerequisite(s): HSSL 431, HSSL 432, HSSL 434, HSSL 435, or permission of HSSL program director. FALL | WINTER | SUMMER

### HSSL 431 - General Administration of the Health Services and Senior Living Facility I—3 hours

Introduces the mission, values, organization, and strategies of nursing homes and other health services and senior living organizations and reviews their history and philosophy. Applies the concepts of management to the areas of staffing, governance, operations, and physical environment of the care in various facilities. Reviews the regulations for licensing, operating, and insuring various risks within the regulatory setting of the industry. Lab Fee: 5 (\$60), for the Long-Term Membership fee (in ACHCA). Prerequisite(s): MGNT 464 or permission of HSSL program director. SUMMER, on campus | FALL, online

### HSSL 432 - General Administration of the Health Services and Senior Living Facility II—3 hours

A detailed study of the technical aspects of health services and senior living organizations and their relationship to other health care facilities in the total health care system, and technically related medical relationships and services. A complete review of applicable federal requirements is included. SUMMER, on campus | FALL, online

### HSSL 434 - Financial Management of the Health Services and Senior Living Facility—3 hours

A review of techniques and interpretation of financial information for management decision making in the health services and senior living industry. The lab fee allows access for one year to the NAB Health Services and Senior Living Administration Boards Examination Study Guide. Lab Fee: 8 (\$150). Prerequisite(s): FNCE 315 or permission of instructor. SUMMER, on campus | WINTER, online

### HSSL 435 - Human Resource Management of the Health Services and Senior Living Facility—3 hours

A study of the organization, training, motivation, and direction of employees with a view to maintaining their productivity and morale at a high level. Selection, compensation, financial incentives, work standards, and leadership are the topics that will be covered. Prerequisite(s): MGNT 344 or permission of HSSL program director. SUMMER, on campus | Winter, online

### HSSL 437 - Marketing of the Health Services and Senior Living Facility—3 hours

Marketing functions, problems, services, and competitive practices unique to the various health services and senior living industries. Prerequisite(s): BMKT 326 or permission of HSSL program director. SUMMER, on campus | WINTER, online

### HSSL 465 - Topics in Health Services and Senior Living Administration—1-3 hours

See HSSL 265 for course description. Prerequisite(s): Permission of the instructor. FALL | WINTER

### HSSL 490 - Internship in Assisted Living/Residential Care Community—1 hour

The internship is designed to provide the student with 200 clock hours of management training experience in an Assisted Living/Residential Care Community under the supervision of an experienced Executive Director. The Assisted Living/Residential Care Community must be approved by the HSSL program director. After completing this course, the student will have a deeper understanding of the regulatory requirements, administrative procedures and day-to-day operations of an assisted living/residential care community. Prerequisite(s): HSSL 431, HSSL 432, HSSL 434, HSSL 435, or permission of HSSL program director. FALL | WINTER | SUMMER

### HSSL 492 - Internship in Skilled Nursing Administration (SERV-2)—2-8 hours

The internship is a tailored program of 650-1000 clock hours of management training experience in a Health Services and Senior Living facility approved by the University. The hours are determined by the minimum required by the state in which the student wants to be licensed. The program director or designee will make scheduled on-site evaluation visits. The student is responsible for arranging the time of visits with the facility management. Three reports must be submitted at each 100-hour interval: a written narrative description of the experience, an intern's report form, and an administrator's report and evaluation form. These are described in the Health Services and Senior Living Internship Manual. Lab Fee: 7 (\$120). Prerequisite(s): HSSL 431, HSSL 432, HSSL 434, HSSL 435, or permission of HSSL program director. FALL | WINTER | SUMMER

### HSSL 495 - Directed Study—1-3 hours

See HSSL 295 for course description.

**HSSL 497 - Health Services and Senior Living Administration Research—3 hours**

This course permits students to apply principles of research and statistical analysis of data leading to the completion of a research project. Prerequisite(s): BUAD 221 or MATH 215; HSSL 431, HSSL 432, HSSL 434, HSSL 435, or permission of HSSL program director. FALL | WINTER

**Nutrition****HLNT 135 - Nutrition—3 hours**

A study of basic nutrition principles, examining the role of foods and their nutrients in the human body. Includes practical application of nutrition principles for maintaining health as well as for combating chronic diseases. Includes food records analysis and nutrition knowledge application. Lab Fee: 3 (\$20). WINTER

**HLNT 265 - Topics in Nutrition—1-3 hours**

Topics selected from areas of nutrition not covered in other courses. This course may be repeated for credit. FALL | WINTER

**HLNT 348 - Food Preparation—3 hours**

A course designed to develop understanding, skills, and philosophy regarding healthy food preparation to include but not limited to breads, cereals, salads, entrees, soups, and desserts. A vegan/vegetarian perspective will be emphasized. Lab Fee: 9 (\$ 180). FALL | WINTER

**HLNT 365 - Topics in Nutrition—1-3 hours**

Topics selected from areas of nutrition not covered in other courses. This course may be repeated for credit. FALL | WINTER

**Humanities****HMNT 150 - International Travel—1 hour**

One credit hour is available to participants in college tours outside the United States. The trip must last seven days excluding travel to and from the tour location, and must include a minimum of 20 hours in museums, historical sites, concerts, drama, and sightseeing. Students will submit written summaries/reflections of their experiences. Credit for this course is not granted simultaneously with credit earned in other tour classes. SUMMER

**HMNT 151 - Learning: An Introduction—1 hour**

In addition to providing an orientation to succeeding in the Southern Scholars Program, this course will examine the ethos of honors learning and what it means to be a Christian intellectual in a secular environment. The course will also expose students to enrichment opportunities offered by the program (semesters abroad, Partners in the Parks, honors conferences, major national scholarships, serving on National Collegiate Honors Council). We will also instruct students in CV writing, interviewing, and note-taking skills. We will be reading John Piper's Think: The Life of the Mind and the Love of God and James V. Schall's Another Sort of Learning.

**HMNT 205 - Arts and Ideas (IN-10)—3 hours**

This class is administered by the History Department. A cultural appreciation class tracing the historical evolution of intellectual movements in western civilization. Ideas from leaders in philosophy and the arts will be studied with appropriate works from music, art, and literature. Students may participate in activities involving specific art forms. Resource persons may assist as available. This course is also offered by the History Department as part of the European study tour program during selected summer sessions. FALL | WINTER

**HMNT 211 - Introduction to Philosophy—3 hours**

An introduction to the major schools of Western philosophy, e.g. Platonic, Aristotelian, Medieval, Enlightenment, Hegelian, Analytical. The course will suggest how philosophy can help students think more critically and coherently. Issues of logic, epistemology, freedom of will, and ethics will be explored.

**HMNT 251 - Philosophy and Practice of Research—1 hour**

A study of values and ethics. Required of students in the Southern Scholars program during their sophomore year. Open to other students with permission of program director. FALL | WINTER

**HMNT 294 - Chinese Cultural and Political Studies—1-3 hours**

This course will be an introduction to Chinese historical, political, and cultural studies. The course will consist of both classroom and tour experience and will focus on both Chinese culture and history, and contemporary Chinese politics and history. During the tour students will typically visit villages, factories, university campuses, attend a Chinese opera, visit a traditional Chinese doctor, and consider/experience other traditionally Chinese cultural perspectives. Lab Fee: 31 (\$2,000). This course is cross-listed with HMNT 494. A student may receive credit for this course from only one program. SUMMER

**HMNT 295 - Directed Study—1-3 hours**

A course emphasizing individual directed study. The instructor to whom a student is assigned will determine whether credit is upper or lower division. Approval of the department is required prior to registration.

**HMNT 350 - International Travel—1 hour**

See HMNT 150 for course description. SUMMER

**HMNT 451 - Interdisciplinary Studies: Belief—1 hour**

A study of great books in religion, philosophy, science and social science that have shaped western culture. Required of students in the Southern Scholars program during their junior or senior year. Open to other students with permission of program director. FALL | WINTER

**HMNT 452 - Interdisciplinary Studies: Doubt—1 hour**

A study of great books in religion, philosophy, science and social science that have shaped western culture. Required of students in the Southern Scholars program during their junior or senior year. Open to other students with permission of program director. FALL | WINTER

**HMNT 494 - Chinese Cultural and Political Studies—1-3 hours**

See HMNT 294 for course description. Lab Fee: 31 (\$2,000). This course is cross-listed with HMNT 294. A student may receive credit for this course from only one program. SUMMER

**HMNT 495 - Directed Study—1-3 hours**

See HMNT 295 for course description.

**International Development Studies****INDV 110 - Human Rights and Service (SERV-2)—3 hours**

This course examines the history of human rights and current human rights issues. Best practices of social entrepreneurs in the human rights arena are analyzed. An application is made to how Seventh-day Adventists individually and corporately can relate to human rights issues.

**INDV 220 - International Relations and Global Politics—3 hours**

This course examines the politics of the global arena to foster understanding so that students can better serve the world's inhabitants. A comparison is made between secular international relations theory and a biblical worldview.

**INDV 230 - International Organizations in International Development—3 hours**

This course provides an overview of the primary existing organizations that play a role in development and their interaction within the international state system with analysis as to contributions and limitations.

**INDV 250 - Cross-Cultural Experience—3 hours**

This course offers principles of cultural appropriateness and conflict resolution in the political and developmental arena.

**INDV 265 - Topics in INDV—3 hours**

Selected topics designed to meet the needs or interests of students in specialty areas of global policy and service studies. This course may be repeated for credit with permission.

**INDV 291 - Practicum—3 hours**

Practicum requirements include at least 150 hours at an organization approved by the course instructor and an in-depth reflection assignment on the practicum. Prerequisite(s): Permission of the instructor.

**INDV 295 - Directed Study—1-3 hours**

A course emphasizing individual directed study. The instructor to whom the student is assigned will determine whether credit is upper or lower division. This course also includes credit offered by the History and Political Studies Department on directed study tours. Approval of the department is required prior to registration.

**INDV 320 - Issues in Development and Ethics—2 hours**

Development practitioners will come in from the field for two weeks during the summer to teach the class. They will teach about their specific areas. This course may be repeated.

**INDV 350 - Sustainability Agriculture (SERV-2)—3 hours**

Topics include examining sustainable agriculture through the lens of health and education as a means for maintaining ecological, societal, and spiritual balance. Lab Fee: 6 (\$90).

**INDV 360 - Political Economy—3 hours**

This course analyzes global economic institution and delves into political and social barriers to economic development. Practical skills in prosperity creation at the micro-level are discussed.

**INDV 370 - Policies in Global Health (W)—3 hours**

Topics include best practices in health policy, management, lifestyle medicine, and community based development.

**INDV 465 - Topics—3 hours**

See INDV 265 for course description.

**INDV 480 - Research Methods—3 hours**

Students will learn original research skills and theories in the social and political sciences, assess Christian Biblical approaches to political studies theory, and embark on an individual research project, in consultation with the professor. The result will be a publishable article-length piece of scholarship. Lab Fee: 5 (\$60).

**INDV 482 - International Development and Cultural Integration—3 hours**

A class that examines the skills and tools needed to adjust to life and work in a developing country. Cultural sensitivity and integration is emphasized in the context of sensible, sustainable development. Students are asked to examine critical shifts between their primary cultural perspective and the social dynamics of other cultures. Writing requirements.

**INDV 490 - Oral Exam—1 hour**

List of readings and study guide questions to be assessed in a one-hour oral exam during the fall semester of the senior year. Students will be given a chance to connect the ideas from their courses with their Christian Biblical worldview and to demonstrate verbal facility with the major concepts of their major's curricula.

**INDV 491 - Practicum—3 hours**

Practicum requirements include at least 150 hours at an organization approved by the course instructor and an in-depth reflection assignment on the practicum. Prerequisite(s): Permission of the instructor.

**INDV 495 - Directed Study—1-3 hours**

See INDV 295 for course description.

**INDV 498 - Senior Capstone—(0-1 hours)**

This class meets bi-weekly during the fall semester of the senior year. It includes the senior retreat, a professional conference, attendance at career fairs and mentoring regarding getting jobs, going to graduate school, and spiritual discipleship for emerging adults.

**INDV 499 - Oral Exam—1 hour**

Lists of readings and study guide questions to be assessed in a one-hour oral exam during the senior year.

**Italian****ITAL 101 - Elementary Italian I—3 hours**

Introduces students to the basic principles of the language necessary for written and oral communication. Emphasis placed on developing the ability to use the language creatively to talk about oneself and to deal with daily life situations within the Italian cultural context. Laboratory work required. (Available only through Adventist Colleges Abroad [ACA]). Lab Fee: 3 (\$20).

**ITAL 102 - Elementary Italian II—3 hours**

Continues ITAL 101. This course further develops the student's ability to communicate in Italian, both orally and in writing. Students will speak, read, and write about such topics as advice and opinions, the future, and hypothetical situations, while at the same time gaining insights into the culture of Italy. Laboratory work required. (Available only through Adventist Colleges Abroad [ACA]). Lab Fee: 3 (\$20). Prerequisite(s): ITAL 101 or approval of the department.

**ITAL 207 - Intermediate Italian I—3 hours**

This course requires a fairly good foundation in the basic principles of the language. Students improve their communication skills by discussing and writing about various topics drawn from readings focused on Italian culture. Review of grammar is included. Laboratory work required. (Available only through Adventist Colleges Abroad [ACA]). Lab Fee: 3 (\$20). Prerequisite(s): ITAL 102 or approval of the department.

**ITAL 208 - Intermediate Italian II—3 hours**

Continues ITAL 207 and requires a good foundation in the basic principles of the language. Students improve their communication skills by discussing and writing about various topics drawn from readings focused on Italian culture. Although review of grammar is included, it is not necessarily stressed. Laboratory work required. (Available only through Adventist Colleges Abroad [ACA]). Lab Fee: 3 (\$20). Prerequisite(s): ITAL 207 or approval of the department.

**Journalism****JOUR 105 - Writing for the Media—3 hours**

Basic writing skills for newspaper, magazines, advertising, public relations, online and broadcasting, with emphasis on learning the Associated Press Stylebook. Prerequisite(s): ENGL 101 with a minimum grade of C or ACT English minimum score of 18, SAT score of 430, or R-SAT score of 25. FALL | WINTER

**JOUR 175 - Communication Workshop—1-3 hours**

One semester-hour credit will be available for 40 clock hours of active participation in workshops conducted by the School in such areas as free-lance writing, news writing, video production, editing newsletters, crisis communication, public relations writing, fund raising, writing for student publications, editing student publications, and advising student publications. Advanced students may earn additional credits by completing a project started during the workshop. May be repeated for credit. SUMMER

**JOUR 205 - News Reporting—3 hours**

News gathering and research techniques; development of news writing skills and style. Emphasis on clarity of writing, accuracy, balance and fairness, and on meeting deadlines. Students are required to contribute bi-weekly stories to the University's newspaper, The Southern Accent. Oral communication emphasis: Interviewing. Prerequisite(s): JOUR 105. FALL | WINTER

**JOUR 208 - Publication Tools and Techniques—3 hours**

An introductory course in using computer-based tools in the creation of publications such as newsletters, brochures and magazines. The course integrates elements of design with specialized software packages including Photoshop and InDesign in order to prepare photographs, illustrations and text for publication. ARTG 115 can be taken in place of this course. Lab Fee: 9 (\$180). FALL | WINTER



**JOUR 245 - Senior Project—1 hour**

This student-selected, School-approved project demonstrates the student's ability to perform in his/her major field. Students in this course meet with their supervising professor as needed. A written proposal for a project must be submitted to the advising professor by three weeks into the term. Lab Fee: 6 (\$90). Prerequisite(s): Senior standing. FALL | WINTER

**JOUR 265 - Topics in Communication—1-3 hours**

Selected topics in journalism or related areas of communication. FALL | WINTER

**JOUR 291 - Practicum—1-3 hours**

Supervised work experience in writing or journalism. At least 90 clock hours of work experience are required for each semester hour of credit. Procedures and guidelines are available from the School. Retroactive credit is not available. Prerequisite(s): Consent of instructor before arranging for practicum. FALL | WINTER | SUMMER

**JOUR 295 - Directed Study—1-4 hours**

For students who want to do independent research and writing in a specialized area of the mass media. Directed study topics will be selected with guidance from the instructor who will serve as a consultant to the student in carrying out the project.

**JOUR 313 - Publication Editing—3 hours**

Students will learn to edit according to the Associated Press Stylebook; write effective headlines and photo captions; select articles, photos, graphics and typefaces; become familiar with legal issues and tools that assist in research and fact verification; evaluate press estimates; and stay within budget. Use of color and the differences between editing for newspapers, magazines, and newsletters will be considered. Students will produce a newsletter and develop editing skills through various projects. Prerequisite(s): JOUR 205, JOUR 208. WINTER

**JOUR 316 - Magazine and Feature Article Writing (W)—3 hours**

The study and practice of researching, writing, and marketing non-fiction feature stories for magazines, newspapers, and other periodicals. Discusses the writing process from idea development and story focus through final revision and marketing of articles via query letters to editors. Prerequisite(s): JOUR 205. FALL

**JOUR 342 - Interactive Journalism—3 hours**

This course teaches modern journalists to tell interactive stories using new, emerging media-working with audio, video, photography, and web technology. The course builds on skills taught in News Reporting and Introduction to Web Design. Lab Fee: 11 (\$240). Prerequisite(s): JOUR 205, COMM 242. WINTER, even years

**JOUR 356 - Investigative Reporting (W)—3 hours**

Students learn advanced investigative reporting, including in-depth research and interviewing skills. Emphasis on public affairs reporting including assigned articles in politics, government, law enforcement, society, science, medicine, education, religion, the arts, business, and also includes an introduction to computer-assisted reporting. Prerequisite(s): JOUR 205. FALL, odd years

**JOUR 372 - Journalism Internship—1-3 hours**

Students work at a newspaper, magazine, broadcast station, or other agency to obtain on-the-job journalism experience, preferably during an 8 to 12 week period the summer between the junior and senior year when no other college course is taken. At least 300 clock hours of work experience are required. Procedures and guidelines are available from the School. Prerequisite(s): Completion of half the requirements for a major or minor in broadcast or journalism and School approval before arranging for internship. Retroactive credit is not available. FALL | WINTER | SUMMER

**JOUR 391 - Practicum—1-3 hours**

See JOUR 291 for course description. Prerequisite(s): Consent of instructor before arranging for practicum. FALL | WINTER | SUMMER

**JOUR 392 - Journalism Internship—1-3 hours**

Students work at a newspaper, magazine, broadcast station, or other agency to obtain on-the-job journalism experience, preferably during an 8 to 12 week period the summer between the junior and senior year when no other college course is taken. At least 300 clock hours of work experience are required. Procedures and guidelines are available from the School. Prerequisite(s): Completion of half the requirements for a major or minor in broadcast or journalism and School approval before arranging for internship. Retroactive credit is not available. FALL | WINTER | SUMMER

**JOUR 416 - Literary Journalism (W)—3 hours**

This course explores the nonfiction form of literary journalism: the extended, often book-length, nonfiction treatment of a topic. Literary journalism distinguishes itself from conventional reporting by going much deeper into a topic-by telling a story with literary techniques such as scene-setting, character development, and rich detail. Literary journalism combines the accuracy of a journalist with the storytelling ability of a novelist. In this course, students will (a) study the theory and techniques of literary journalism, (b) read top works from literary journalists (extended-treatment articles and books), (c) become more familiar with the book publishing industry, and (d) produce a single extended work of literary journalism for publication as a long-form article or book. FALL|WINTER

**JOUR 445 - Senior Project—1 hour**

See JOUR 245 for course description. Lab Fee: 6 (\$90). Prerequisite(s): Senior standing. FALL | WINTER

**JOUR 465 - Topics in Communication—1-3 hours**

See JOUR 265 for course description. FALL | WINTER



**JOUR 475 - Communication Workshop—1-3 hours**

See JOUR 175 for course description. SUMMER

**JOUR 495 - Directed Study—1-4 hours**

For students who want to do independent research and writing in a specialized area of the mass media. Directed study topics will be selected with guidance from the instructor who will serve as a consultant to the student in carrying out the project.

**Library****LIBR 265 - Topics in Library—1-3 hours**

Selected topics designed to meet the needs or interests of students in specialty areas of the library. This course may be repeated for credit with permission. FALL | WINTER

**LIBR 465 - Topics in Library—1-3 hours**

Selected topics designed to meet the needs or interests of students in specialty areas of the library. This course may be repeated for credit with permission. FALL | WINTER

**Mandarin****MAND 101 - Elementary Mandarin I—4 hours**

This course is designed for students without or with very limited Chinese (Mandarin) background. The primary focus is on conversational skills with emphasis on competence and accuracy. Students will learn listening and speaking skills using creative approaches including song and drama presentations, in addition to the lectures. Basic Chinese cultures, customs and traditions are also covered.

**MAND 102 - Elementary Mandarin II—4 hours**

This course is a beginning course in Mandarin with emphasis on the fundamentals of pronunciation, structure, and conversational skills.

**MAND 207 - Intermediate Mandarin—4 hours**

This course is designed for students to learn the use of Chinese phonetic symbols (Hanyu Pinyin); sentence construction; reading, writing and understanding simple passages. Basic Chinese cultures, customs and traditions are also covered.

**Mathematics****MATH 081 - Introduction to Algebra and Statistics—0 hours hours**

[Non-Credit] This remedial course covers the material necessary for a successful understanding of statistics: numbers and operations, solving and graphing linear equations, set theory, counting methods, probability, and basic statistics. It is required of all students whose ACT math standard score is 15 or below. Tuition for three semester hours will be charged for this course. FALL

**MATH 117 - College Algebra—3 hours**

Real numbers and their properties; exponents and radicals; polynomials and factoring; rational expression manipulation; linear equations and inequalities; functions including algebraic, rational, logarithmic, exponential; basic graphing techniques; inverse functions; systems of linear equations; applications involving a geometry and measurement. This course does not apply on a major or minor in mathematics. Prerequisite(s): A minimum ACT math standard score of 16, SAT score of 390, R-SAT score of 430, or MATH 081 with a grade of C- or better. FALL | WINTER

**MATH 120 - Precalculus Algebra—3 hours**

The real and complex number systems; algebraic equations and inequalities; functions and their graphs including polynomial, rational, exponential, and logarithmic functions; inverse functions and their graphs; conic sections; systems of equations; matrices; sequences; the binomial theorem. Special emphasis will be given to problems and techniques that relate to calculus. This course does not apply on a major or minor in mathematics. Prerequisite(s): A minimum ACT math standard score of 22, SAT score of 520, R-SAT score of 550, or MATH 117 with a grade of C or better. FALL | WINTER

**MATH 121 - Precalculus Trigonometry—2 hours**

The trigonometric and inverse trigonometric functions and their graphs, trigonometric equations and identities, trigonometric form of complex numbers, vectors, and other applications. This course does not apply on a major or minor in mathematics. Pre- or Co-requisite: MATH 120 or equivalent. FALL | WINTER

**MATH 191 - Calculus I—4 hours**

Differential and integral calculus of the elementary functions including limits, continuity, the derivative, computation of derivatives, applications of the derivative, the definite integral, the fundamental theorem of calculus, computation of antiderivatives, applications of the definite integral. Prerequisite(s): MATH 120 and MATH 121 or a minimum ACT math subscore of 24, SAT score of 600, or R-SAT score of 620. FALL | WINTER

**MATH 192 - Calculus II—4 hours**

Precise definitions of limits, further topics in differential and integral calculus, polar coordinates, analytic geometry, parametric equations, sequences, infinite series, Taylor series. Prerequisite(s): MATH 191. WINTER

**MATH 200 - Elementary Linear Algebra—2 hours**

Systems of linear equations, matrices and determinants, vector spaces, linear transformations, eigenvalues and eigenvectors, applications. Prerequisite(s): MATH 191. WINTER

**MATH 201 - Intermediate Linear Algebra—3 hours**

Systems of linear equations, matrices and determinants, vector spaces, linear transformations, eigenvalues and eigenvectors, orthogonality and inner product spaces, applications. Prerequisite(s): MATH 191. WINTER

**MATH 205 - Tutoring in Mathematics (SERV-2)—1 hour**

This course is a service learning course designed to help students become effective peer tutors. Prerequisite(s): MATH 192. FALL

**MATH 215 - Statistics (IN-4)—3 hours**

An introduction to descriptive and inferential statistics including organization and analysis of data, elementary probability, probability distributions (binomial, normal, Student's  $t$ , chi-square), estimation, hypothesis testing, correlation and regression. FALL | WINTER | SUMMER

**MATH 218 - Calculus III—4 hours**

Partial derivatives, multiple integrals, vector calculus including Green's theorem, Stokes's theorem, and the divergence theorem. Prerequisite(s): MATH 192. FALL

**MATH 219 - Set Theory and Logic—3 hours**

An introduction to the ideas, terminology, and notation of logic, sets, equivalence relations, and functions. The concept of a mathematical proof will be emphasized. Prerequisite(s): MATH 192. WINTER

**MATH 265 - Topics in Mathematics—1-3 hours**

Topics selected from areas of mathematics not covered in other courses. This course may be repeated for credit with permission. Prerequisite(s): Permission of the instructor. FALL | WINTER

**MATH 280 - Discrete Mathematical Structures—3 hours**

An examination of many of the mathematical concepts of particular use to computer scientists. The topics include set theory, relations, graph theory, combinatorics, Boolean algebra, proof techniques, and finite state automata. Prerequisite(s): MATH 120 or equivalent; Familiarity with a programming language. WINTER

**MATH 295 - Directed Study—1-3 hours**

Individual reading and problem solving in a field chosen in consultation with an instructor. This course may be repeated for credit. Prerequisite(s): Approval by department faculty.

**MATH 305 - Tutoring in Mathematics (SERV-2)—1 hour**

This course is a service learning course designed to help students become effective peer tutors. Prerequisite(s): Mathematics majors who have successfully completed MATH 218. WINTER

**MATH 312 - History of Mathematics (W)—3 hours**

A survey of the development of classical mathematics from ancient times to calculus, together with selected topics from the history of modern mathematics. Prerequisite(s): MATH 192 and MATH 280 or MATH 219. FALL, even years

**MATH 315 - Differential Equations—3 hours**

Introduction to dynamical systems, solutions of various types of ordinary differential equations, systems of linear differential equations, the Laplace transform, applications to problems in the physical sciences. Prerequisite(s): MATH 192. WINTER

**MATH 316 - Partial Differential Equations—3 hours**

Partial differential equations, Fourier series, boundary value problems, Bessel functions, Legendre polynomials. This course is cross-listed with PHYS 316, Physics Department. A student may receive credit for this course from only one program. Prerequisite(s): MATH 315. FALL, odd years

**MATH 317 - Complex Variables—3 hours**

An introduction to the theory of analytic functions of a complex variable, including mappings by elementary functions, complex integration, the Cauchy-Goursat theorem, Cauchy's integral formula, power series, Laurent series, the theory of residues, and conformal mapping. Prerequisite(s): MATH 218, MATH 219. WINTER, even years

**MATH 318 - Abstract Algebra—3 hours**

The structure of groups, rings, integral domains, and fields. Prerequisite(s): MATH 218, MATH 219. FALL, even years

**MATH 320 - Numerical Analysis—3 hours**

This course analyzes the basic techniques for the efficient numerical solution of problems in science and engineering. Topics include root finding, interpolation, approximation of functions, integration, differential equations, and direct and iterative methods in Linear Algebra. Prerequisite(s): MATH 192, MATH 219 or MATH 280 and CPTN 124. WINTER, odd years

**MATH 327 - Probability and Statistics—4 hours**

A calculus based introduction to basic concepts in probability theory and statistics. Topics include conditional probability and independence; Bayes theorem; discrete and continuous probability distributions for one and for several random variables; expectation and variance; special distributions, including binomial, Poisson, and normal distributions; the central limit theorem. Introduces basic statistical theory, including estimation of parameters, confidence intervals, and hypothesis testing. Prerequisite(s): MATH 192 and MATH 215. FALL, even years

**MATH 329 - Actuarial Exam P Preparation—3 hours**

This course prepares students to take Exam P from the Society of Actuaries. Prerequisite(s): MATH 327. WINTER, odd years

**MATH 410 - Real Analysis—3 hours**

A study of real numbers, sequences, series, limits of functions, continuity, differentiation, and Riemann integration. Prerequisite(s): MATH 218 and MATH 219. FALL, odd years

**MATH 415 - Geometry—3 hours**

Topics selected from the following: Euclidean geometry, axiomatic systems and finite geometries, transformational geometry, hyperbolic geometry, projective geometry, other non-Euclidean geometries, applications of geometry. Prerequisite(s): MATH 219. FALL, odd years

**MATH 465 - Topics in Mathematics—1-3 hours**

See MATH 265 for course description. Prerequisite(s): Permission of the instructor. FALL | WINTER

**MATH 485 - Mathematics Seminar (W)—1 hour**

Written and oral reports are made on a variety of topics in mathematics including topics in current mathematical literature. Prerequisite(s): Permission of mathematics staff. FALL, even years

**MATH 486 - Mathematics Seminar II—1 hour**

A continuation of MATH 485 in which a significant research paper will be completed and presented orally. Prerequisite(s): MATH 485. WINTER, odd years

**MATH 490 - Senior Capstone—1 hour**

Preparation for the Major Field Test taken by senior mathematics majors. Preparation of a portfolio summarizing all MATH courses required for bachelor's degree in mathematics. Prerequisite(s): Permission of instructor. FALL

**MATH 495 - Directed Study—1-3 hours**

See MATH 295 for course description. Prerequisite(s): Approval by department faculty.

**Modern Language****MDLG 165 - Topics in Modern Languages—1-3 hours**

Selected topics in modern languages presented in a classroom setting. Subjects covered will determine how the course applies to the major. This course may be repeated for credit. FALL | WINTER

**MDLG 230 - Critical Methods in Languages—3 hours**

It continues the process of critical analysis through literary readings in translation. It presents students with some of the major trends in twentieth-century literary criticism, including a glimpse of the postcolonial condition and awareness of subaltern studies for development of critical thinking skills. Students will write brief critical responses to reading as a step for oral production and academic dialogue in class. This course is offered in English. Prerequisite(s): ENGL 102. WINTER

**MDLG 266 - Topics in Modern Languages—1-3 hours**

See MDLG 165 for course description. FALL | WINTER

**MDLG 300 - Christian Service in Modern Languages (SERV-2)—0 hours hours**

This course offers students the option to complete a service project in a modern language, coordinated through the Department of Modern Languages in partial fulfillment of an upper division course, either as MDLG, or one of our ACA offered and approved language courses with a service-oriented project that fulfills one or two Level II requirements of the Christian Service program. FALL | WINTER

**MDLG 350 - Global Citizenship Seminar I—1 hour**

To provide students the opportunity to acquire global competence and to continue with language acquisition. This seminar is an academic follow-up primarily for ACA students returning from abroad as they readjust to the United States. Lab Fee: 11 (\$240). FALL

**MDLG 450 - Global Citizenship Seminar II—1 hour**

This seminar will focus on preparing global citizens. It serves students as a deepening of their reflection and a contextualization of their experience abroad. Lab Fee: 3 (\$20). Prerequisite(s): MDLG 350. WINTER

**MDLG 465 - Topics in Modern Languages—1-3 hours**

See MDLG 165 for course description. FALL | WINTER

**MDLG 490 - MLD Exit Examination (DEE)—1 hour**

The objective of this course is to assist students in preparing for the Departmental Exit Exam (DEE) as partial fulfillment of the International Studies degree. Students will have the opportunity to maintain and enhance a modern language within the chosen major. Lab Fee: 3 (\$20). Corequisite(s): MDLG 450. WINTER

## Management

### **MGNT 265 - Topics in Business—1-3 hours**

Selected topics designed to meet the needs or interests of students in specialty areas of business and management. This course may be repeated for credit with permission. Prerequisite(s): Permission of the instructor. FALL | WINTER

### **MGNT 288 - Project Management (SERV-2)—0-3 hours**

Successful project management requires a blend of both technical knowledge and non-technical skills such as effective communication, organization, and leadership. Students will learn techniques and best practices for all phases of the project life cycle: project initiation and scope, stakeholder management, risk management, work breakdown structure, planning, cost analysis, personnel management, team building, scheduling, monitoring and controlling, documentation, project closure, and transition to operations. This course may be repeated for credit. Six hours can be counted toward a business requirement. Lab Fee: 5 (\$60). This course is cross-listed with MGNT 488. A student may receive credit for this course from only one program. FALL | WINTER

### **MGNT 295 - Directed Study—1-3 hours**

A directed study involves individualized research into a selected topic chosen by the faculty adviser and the student. Prerequisite(s): Approval of the Dean of the School. FALL | WINTER

### **MGNT 334 - Principles of Management—3 hours**

A study of basic business management including an analysis of business policies viewed from the standpoint of the functional characteristics of the management process and current ethics. FALL | WINTER

### **MGNT 344 - Human Resource Management—3 hours**

An introduction to the organization, training, motivation, and direction of employees with a view to maintaining their productivity and morale at high levels. Among topics covered are selection, training, compensation and financial incentives, work standards, techniques of supervision and leadership, and regulatory compliance. WINTER

### **MGNT 350 - Business Operations and Supply Chain Management—3 hours**

Covers the conceptual models, decision making tools, and information systems used by managers and strategists to integrate operations, supply chain, and information systems toward increased productivity and competitive advantage. Prerequisite(s): BUAD 217; MATH 215. FALL | WINTER

### **MGNT 354 - Principles of Risk Management—3 hours**

An introductory study in the field of risk management. Material covered includes insurance categories of liability, property, health and life. The primary emphasis will be on business applications, but some consideration will be given to the personal risk. WINTER, odd years

### **MGNT 364 - International Business and Economics—3 hours**

A survey of the world environment of business including aspects of economics, cultures, trade theories, governments, exchange and finances, multinational firms' strategies. The impact on business operations of each of these is considered, including a study of the economic relationships between countries and the cooperation that is necessary for stable economic world growth. Prerequisite(s): ECON 224, ECON 225. FALL | WINTER

### **MGNT 368 - Multicultural Management—3 hours**

Develops an understanding of the role and impact of cultural diversity in the workplace. The course focuses on how multiculturalism influences the local and international environments within which organizations operate, including economic, legal, and political aspects; markets and business customs; dealing with foreign governments and nationals; formulating, implementing, and evaluating cross-functional and cross-cultural decision processes that enable an organization to achieve its objectives. Prerequisite(s): MGNT 334 or permission of instructor. FALL

### **MGNT 371 - Principles of Entrepreneurship—3 hours**

A study of the theory and practice of initiating a business venture and organizing the necessary resources. Provides an understanding of the risks and rewards associated with entrepreneurship. Topics include start-up financing, marketing, risk management, development and implementation of a business plan. FALL

### **MGNT 372 - Small Business Management—3 hours**

Examines the principles and problems of operating a small business after it is established. Topics covered include a procedural system for operating a small business, providing physical facilities, financing, organizing, marketing, and managing of the small business. Prerequisite(s): ACCT 222. WINTER

### **MGNT 410 - Organizational Theory and Design—3 hours**

A management capstone course for the development of thinking about organizations. Missions, goals, strategies, and effectiveness are blended into learning about organizational design as it is influenced by external realities. Students learn design alternatives to create a fit between the strengths of the organization and its external environment to achieve a sustainable competitive advantage. WINTER

### **MGNT 420 - Organizational Behavior—3 hours**

Investigates the impact that individuals and groups have on values, attitudes, job satisfaction, motivation, and how the resultant organizational structure and culture are affected. The purpose of the course is the application of this knowledge toward improving an organization's effectiveness. Students learn the dynamics of leadership and management as they influence organizational behavior. FALL

**MGNT 450 - Leadership in Organizations—3 hours**

This course is a non-quantitative exploration of leadership allowing students to engage in an in-depth study of how they can develop as successful organizational leaders. The strengths and weaknesses of various leadership approaches (including Great Man, behavioral, contingency, transformational, servant leadership and shared leadership) are compared. Other course topics may include the Biblical teaching on leadership, conflict management and/or approaches to leading organizational change. Students are required to obtain hands-on leadership experience during the semester outside of class as part of the course requirements. This course is cross-listed with NPLD 550. A student may receive credit for this course from only one program. WINTER

**MGNT 452 - Christian Missionary Entrepreneurship—3 hours**

This course familiarizes students with the complex range of decisions and activities that arise in the initiation and operation of a nonprofit organization. This is accomplished by an immersive academic experience that involves students directly in service for others within the context of the Seventh-day Adventist faith. In addition to real-world challenges, participants study text, online, and periodical material to provide an intelligent consideration of corporate forms, sources of revenue, constituencies, operational considerations, and nonprofit products and services. This class presumes familiarity with, and appreciation of, the writings of Ellen White. Prospective students who are not familiar with the writings of Ellen White may contact the professor for provisional acceptance into the class. This course is cross-listed with NPLD 552. A student may receive credit for this course from only one program. WINTER

**MGNT 460 - Compensation and Benefits—3 hours**

Part one of the course covers employee and executive compensation components, theory, and strategies. Compensation is an integral part of attracting and retaining organizational talent. Part two of the course covers executive and employee benefits and strategies. In the climate of expensive medical coverage, emphasis will be given to cost containment strategies. Great organizations offer benefits that satisfy a wide range of employees' needs and delivers competitive advantage in attracting and retaining a quality employee base. Prerequisite(s): MGNT 344. WINTER, online even years

**MGNT 464 - Business Strategies (W)—3 hours**

A capstone course that integrates the functional business areas. It is designed to give the student experience in strategic analysis and decision-making using the case method. Students learn to identify, analyze, propose alternative solutions, and make decisions about business strategy. Attention is given to matching organizational resources to the external environment to achieve a strategic competitive advantage. Lab Fee: 4 (\$30). Prerequisite(s): BMKT 326; ECON 225; FNCE 315; MGNT 334; Achieve senior status (complete 94 hours before enrolling in this course.) FALL | WINTER

**MGNT 465 - Topics in Business—1-3 hours**

See MGNT 265 for course description. Prerequisite(s): Permission of the instructor. FALL | WINTER

**MGNT 470 - Strategic Management in Nonprofit Organizations (W)—3 hours**

The integration and application of strategic management principles, concepts, and practices in nonprofit organizations are discussed. The development of mission statements, goal-setting concepts, and strategy formulation and implementation approaches are included. Students are provided the opportunity to design organizational plans and strategies relevant to their specific needs and the needs of their organizations. WINTER

**MGNT 488 - Project Management (SERV-2)—0-3 hours hours**

See MGNT 288 for course description. Lab Fee: 5 (\$60). This course is cross-listed with MGNT 288. A student may receive credit for this course from only one program. FALL | WINTER

**MGNT 491 - Management Practicum—0-3 hours hours**

A practicum consists of supervised volunteer/work experience in related fields of management on a part-time basis. The work may be done at various job sites. A minimum of 50 clock hours of work experience is required for each semester hour of credit. Students choosing 0 hours will receive a grade of pass/fail. (Note: A maximum of 3 credit hours of practicum and/or internship may apply as an elective in the major.) Prerequisite(s): Junior or senior status and permission of a supervising professor. (Registration for this course and an agreement with a supervising professor must be completed prior to beginning the work experience.) FALL | WINTER | SUMMER

**MGNT 492 - Management Internship—0-3 hours hours**

Students obtain on-the-job experience working under supervision in a management position or a tailored program of management experience in a selected office or facility on a full-time basis. All hours must be completed on one job site. A minimum of 100 clock hours of work experience is required for each semester hour of credit. Students choosing 0 hours will receive a grade of pass/fail. (Note: A maximum of 3 credit hours of practicum and/or internship may apply as an elective in the major.) Prerequisite(s): Junior or senior status and permission of a supervising professor. (Registration for this course and an agreement with a supervising professor must be completed prior to beginning the work experience.) FALL | WINTER | SUMMER

**MGNT 495 - Directed Study—1-3 hours**

See MGNT 295 for course description. Prerequisite(s): Approval of the Dean of the School. FALL | WINTER

**MGNT 497 - Management Research—3 hours**

This course permits students to apply principles of research and statistical analysis of data leading to the completion of a research project. Prerequisite(s): MATH 215; MGNT 450. FALL | WINTER

## Church Music

### **MUCH 216 - Music in the Christian Church (IN-10)—3 hours**

A historical, theological, and liturgical survey of music in the Christian Church, from its roots in the Jewish synagogue to contemporary trends in worship, with particular emphasis on hymnology. FALL | WINTER

### **MUCH 316 - Church Music, Materials, and Administration—2 hours**

The study of worship philosophies, denominational political hierarchies, liturgies, and the historic role of the minister of music in various denominations. FALL, odd years

### **MUCH 317 - Music and Worship in the Contemporary Church—2 hours**

The study of music and worship as currently practiced in various denominations, focusing on the interaction between traditional and contemporary worship trends and musical styles. The organization of ensembles and selection of appropriate music literature for performance is central to the course. Students are required to prepare service music for services of various denominations. WINTER, even years

### **MUCH 489 - Music and Worship Senior Project—2 hours**

The preparation and presentation/submission of a capstone event for the Bachelor of Science in Music (Music and Worship Emphasis). Content of the project may focus on performance, written research, or the combination of both, as they relate to music and worship. FALL | WINTER

## Music Theory

### **MUCT 107 - Basic Musicianship I—1 hour**

This course, designed to be taken concurrently with MUCT 111, is for prospective music majors and minors whose placement scores indicate a need of fundamental musical knowledge. Students will receive instruction in the elements of music, i.e. pitch and rhythmic notation, key and time signatures, major and minor scales, intervals and chords. Two class periods per week are required. FALL

### **MUCT 108 - Basic Musicianship II—1 hour**

This course is to be taken concurrently with MUCT 112 and, like MUCT 107, is designed to assist students in the acquisition of fundamental musical knowledge. Students will continue the study of triads, seventh chords, and their application within the tonal system, and learn the basic principles of four-part voice leading and part writing. Two class periods per week are required. WINTER

### **MUCT 111 - Music Theory I—3 hours**

A study of the elements that render music of all periods aurally and visually comprehensible, within simple forms and a variety of textures from one to four voices. Music Theory I may not be repeated more than once. Prerequisite(s): Satisfactory score on placement examination. FALL

### **MUCT 112 - Music Theory II—3 hours**

A study of the elements that render music of all periods aurally and visually comprehensible, within simple forms and a variety of textures from one to four voices. Music Theory I may not be repeated more than once. Prerequisite(s): MUCT 111 with a grade of C- or higher. WINTER

### **MUCT 121 - Aural Theory I—1 hour**

A laboratory for the development of keyboard and sight-singing skills related to the materials introduced in MUCT 111 - MUCT 112. This is a computer assisted course. FALL

### **MUCT 122 - Aural Theory II—1 hour**

A laboratory for the development of keyboard and sight-singing skills related to the materials introduced in MUCT 111 - MUCT 112. This is a computer assisted course. WINTER

### **MUCT 211 - Music Theory III—3 hours**

An expanded and intensified study of the structure of music as begun in MUCT 111 - MUCT 112. Prerequisite(s): MUCT 111 - MUCT 112. FALL

### **MUCT 212 - Music Theory IV—3 hours**

An expanded and intensified study of the structure of music as begun in MUCT 111 - MUCT 112. In MUCT 212, contemporary music is emphasized. Prerequisite(s): MUCT 111 - MUCT 112. WINTER

### **MUCT 221 - Aural Theory III—1 hour**

Keyboard and sight-singing applications of materials studied in MUCT 211 - MUCT 212. This is a computer-assisted course. FALL

### **MUCT 222 - Aural Theory IV—1 hour**

Keyboard and sight-singing applications of materials studied in MUCT 211 - MUCT 212. This is a computer-assisted course. WINTER

### **MUCT 295 - Directed Study—1-3 hours**

Individual study open to music majors and other qualified students. Content to be arranged. Approval must be secured from the School Dean prior to registration. May be repeated up to a total of three hours.

### **MUCT 313 - Orchestration and Arranging—3 hours**

The ranges, capabilities and limitations, and transpositions of orchestra and band instruments. Idiomatic scoring of short works for vocal and instrumental chamber groups, small orchestra, and band. Performance of exercises and analysis of scores is emphasized. Prerequisite(s): MUCT 212 or permission of the instructor. FALL, even years

**MUCT 314 - Counterpoint—3 hours**

A study of the concept and principles of counterpoint. Course components include: a species approach to counterpoint as evidenced in 16th-century vocal music; a harmony-based approach to the instrumental contrapuntal writing of the mature Baroque; and a representative sampling of counterpoint as seen in repertoire from the 19th and 20th centuries. Students directly interface with course material through analysis, composition, and performance. Prerequisite(s): MUCT 212 or permission of the instructor. WINTER, odd years

**MUCT 315 - Compositional Techniques—3 hours**

An introduction to the process and experience of musical composition. Students will explore perceptions of repetition, variation, and contrast as elements in artistic construction. They will experiment with rhythmic, melodic, and harmonic aspects of musical gesture and their effects, particularly in small musical forms. Prerequisite(s): MUCT 212 or permission of the instructor. FALL, odd years

**MUCT 413 - Analysis of Musical Forms—3 hours**

An analytical study of musical structure from the smallest units of form to the more complex music of all historical periods. Prerequisite(s): MUCT 212 or permission of the instructor. WINTER, even years

**MUCT 465 - Topics in Music—1-3 hours**

Selected topics in music presented in a classroom setting. Subjects covered will determine how the class applies to the major. This course may be repeated for credit. FALL | WINTER

**MUCT 495 - Directed Study—1-3 hours**

See MUCT 295 for course description.

**Music Education****MUED 236 - String Methods and Techniques—2 hours**

The study of the stringed instruments, including methods and materials for class and private instruction. Observation of classroom and private instruction is required. WINTER, even years

**MUED 246 - Brass Methods and Techniques—2 hours**

A study of tone production, performance techniques, embouchure, fingerings, practical pedagogic techniques, and simple repairs. A survey of literature for the instruments and evaluation of teaching methods. Observation of classroom and private instruction is required. FALL, even years

**MUED 250 - Technology in Music Education—2 hours**

A course designed to help music students develop skills in the use of computers in music education. Students will become proficient in the use of MIDI, and of music notation and sequencing programs. They will sample and learn to use computer programs in the music department and teaching administration and in the teaching of music theory, appreciation, performance, literature, history, and ear training in grades K-12. Prerequisite(s): CPTE 100 or equivalent. WINTER, odd years

**MUED 256 - Woodwind Methods and Techniques—2 hours**

A study of tone production, performance techniques, embouchure, fingerings, practical pedagogic techniques, and simple repairs. A survey of literature for the instruments and evaluation of teaching methods. Observation of classroom and private instruction is required. WINTER, odd years

**MUED 266 - Percussion Methods and Techniques—2 hours**

The study of the percussion instruments, including methods and materials for class and private instruction. Observation of classroom and private instruction is required. FALL, odd years

**MUED 316 - Piano Pedagogy—2 hours**

Methods, materials, and procedures for private and class piano instruction; planning a complete program for pupils on various grade levels including technique, repertoire, and musicianship. Observation and teaching are required. Prerequisite(s): Two hours of MUPF 189 or equivalent. FALL, odd years

**MUED 317 - Voice Pedagogy—2 hours**

Methods, materials, and procedures for private and class voice instruction; testing and classification of voices; physiological and psychological problems of voice production and diction. Observation and teaching are required. Prerequisite(s): Two hours of MUPF 189 or equivalent and permission of instructor. WINTER, odd years

**MUED 318 - Organ Pedagogy—2 hours**

Methods, materials, and procedures for instruction in organ; accompaniment of church services; registration of organ literature on various types of organs. Observation and teaching are required. Prerequisite(s): Two hours of MUPF 189 or equivalent. FALL, even years

**MUED 331 - Music in the Elementary School—3 hours**

A study of music teaching-learning methods, materials and strategies for K-8 students. Basic concepts of musical organization, musical skills, and literature for the classroom. The course will include a survey of age-appropriate choral and instrumental repertoires. Observation of classroom teaching is required. Prerequisite(s): Admission to Teacher Education. FALL, odd years



**MUED 332 - Music in the Secondary School—3 hours**

A study of music teaching-learning methods, materials and strategies for 9-12 students. Theories and practices in secondary school music, attention to music administration, discipline, curricular developments in music education, evaluation procedures appropriate to the music classroom. The course will include a survey of age-appropriate choral and instrumental repertoires. Observation of classroom teaching is required. WINTER, even years

**MUED 439 - Pre-Student Teaching Seminar—1 hour**

A seminar in which the student is oriented to student teaching, including curriculum, lesson planning, professional relationships, and other matters related to student teaching. Prerequisite(s): Admission to Teacher Education. FALL | WINTER

**Music History****MUHL 115 - Music in Western Culture (IN-10)—3 hours**

A course designed to acquaint students with the history of western music from the Middle Ages through the 20th century. Topics will include major composers, styles, forms and genres studied within their cultural contexts. This course does not apply toward a major in music. FALL

**MUHL 120 - Music in the United States (IN-10)—3 hours**

A study of the significant musical trends that have evolved during the four centuries of the nation's history. This course also examines the socio-historical contexts that have fostered differing musical traditions. Topics include folk and traditional music, art music, sacred music, popular music, and music for theatre and film. FALL | WINTER

**MUHL 218 - Musical Styles and Repertoires (IN-10)—3 hours**

A global introduction to musical style and literature, designed for majors and minors, but open to all interested students. The majority of the course examines the history of Western art music from the Middle Ages to the present, yet substantial attention is given to American popular genres, and to the music of various non-western cultures. FALL

**MUHL 295 - Directed Study—1-3 hours**

Individual study open to music majors and other qualified students. Content to be arranged. Approval must be secured from the School Dean prior to registration. May be repeated up to a total of three hours.

**MUHL 320 - Music in the Middle Ages and Renaissance (W)—2 hours**

A survey of the important figures, trends, styles, and genres in Western Europe, beginning with musical thought in ancient Greece and culminating with sacred and secular vocal music of the 16th century. Ability to read music is strongly recommended. FALL, odd years

**MUHL 321 - Music in the Late Renaissance and Baroque (W)—2 hours**

This course begins with the expansion of instrumental music during the Renaissance, and traces the history of western music to the mid-18th century with the principal composers, styles, and genres of the Baroque period. Ability to read music is strongly recommended. WINTER, even years

**MUHL 322 - Classic and Romantic Music (W)—2 hours**

A study of the major composers, genres, and stylistic trends in Europe and the United States from the mid-18th century through the 19th century. Ability to read music is strongly recommended. FALL, even years

**MUHL 323 - Music in the Twentieth and Twenty-First Centuries (W)—2 hours**

A study of the diversity of musical styles from the latter 19th century to the present. The course emphasizes the expanded musical vocabulary of western art music and its incorporation of popular and folk elements as well as non-Western theories and techniques. Ability to read music is strongly recommended. WINTER, odd years

**MUHL 465 - Topics in Music—1-3 hours**

Selected topics in music presented in a classroom setting. Subjects covered will determine how the class applies to the major. This course may be repeated for credit. FALL | WINTER

**MUHL 485 - Music Seminar—2 hours**

A seminar focusing on a particular composer, style, genre, or issue within the history of music. This course may be repeated for credit. Prerequisite(s): Permission of Instructor. FALL | WINTER

**MUHL 489 - Senior Project—2 hours**

The preparation and submission of a substantial research or creative project. Students will submit a proposal to the music faculty no later than the end of the semester prior to enrolling in MUHL 489. Once approved, a faculty adviser will be assigned. Course requirements include weekly meetings with the faculty adviser. All requirements for this course must be met within the semester for which the student is registered. Prerequisite(s): Permission of music faculty. FALL | WINTER

**MUHL 495 - Directed Study—1-3 hours**

Individual study open to music majors and other qualified students. Content to be arranged. Approval must be secured from the School Dean prior to registration. May be repeated up to a total of three hours.



## Music Performance

### MUPF 103 - Class Piano 1—1 hour

For music majors, a two-semester course sequence designed to develop basic piano skills, which include the playing of scales, chords, arpeggios, cadences, and simple melodies and hymns. FALL

### MUPF 104 - Class Piano 2—1 hour

For music majors, a two-semester course sequence designed to develop basic piano skills, which include the playing of scales, chords, arpeggios, cadences, and simple melodies and hymns. WINTER

### MUPF 108 - Group Instruction—1-2 hours

For the general student, class instruction in beginning-intermediate voice, beginning piano, or beginning classical guitar. The instruction emphasizes acquisition of basic techniques and solo performance. A minimum of four hours of practice and/or listening outside of class is required. May be repeated for credit. FALL | WINTER

### MUPF 118 - I Cantori—1 hour

A carefully balanced SATB chamber choir comprised of students with advanced vocal potential and experience. In addition to their distinctive chamber choir experience, members of I Cantori form the leadership core for Bel Canto and Die Meistersinger. Performance opportunities include a variety of on-campus presentations and off-campus tours. Must be members of Bel Canto or Die Meistersinger. Membership commitment is expected for the entire academic year. FALL | WINTER

### MUPF 119 - Bel Canto—1 hour

A choral ensemble for women with beginning through advanced levels of experience. Bel Canto functions independently and also with Die Meistersinger as a combined SATB ensemble. Performance opportunities include a variety of on-campus presentations. FALL | WINTER

### MUPF 128 - Wind Symphony—1 hour

A large touring ensemble of woodwind, brass, and percussion players performing a wide variety of Grade 4-6 (Advanced) wind literature, both sacred and secular. Membership commitment is expected for the entire academic year. FALL | WINTER

### MUPF 129 - Applied Music—1-2 hours

Private instruction in voice, piano, organ, or orchestral instrument. One-half hour lesson and a minimum five hours practice per week are required for each hour of credit granted. May be repeated for credit. Music lesson fee required. FALL | WINTER | SUMMER

### MUPF 138 - Symphony Orchestra—1 hour

A large touring ensemble that performs standard orchestral works from the Classical, Romantic, and Modern periods. Membership commitment is expected for the entire academic year. FALL | WINTER

### MUPF 158 - Die Meistersinger Male Chorus—1 hour

A choral ensemble for men with beginning through advanced levels of experience. Die Meistersinger functions independently and also with Bel Canto as a combined SATB ensemble. Performance opportunities include a variety of on-campus presentations. FALL | WINTER

### MUPF 178 - Instrumental Ensemble Experience—1 hour

A course designed to provide credit for chamber ensembles or, in the case of keyboard majors, significant accompanying experience. This course does not fulfill the music ensemble requirement for music majors. FALL | WINTER

### MUPF 188 - Vocal Ensemble Experience—1 hour

A course designed to provide credit for participants in major choral works, musical productions, and other school-sponsored vocal activities. This course does not fulfill the music ensemble requirement for music majors. Music lesson fee required. FALL | WINTER

### MUPF 189 - Concentration—1-2 hours

Private instruction in voice, piano, organ, or orchestral instrument. One-half hour lesson and a minimum five hours practice per week are required for each hour of credit granted. Private lessons for voice majors and minors include attendance at a weekly voice performance class. All students must perform on at least one Music General Recital and complete a Jury Examination at the end of the semester. Music lesson fee required. May be repeated for credit. Prerequisite(s): Performance examination for freshman standing. For music majors and minors. FALL | WINTER

### MUPF 225 - Singers Diction I—2 hours

An introduction to the study of Italian, German, French, and English pronunciation, using the International Phonetic Alphabet. FALL, odd years

### MUPF 226 - Singers Diction II—2 hours

The advanced study of Italian, German, French, and English pronunciation, using the International Phonetic Alphabet. Prerequisite(s): MUPF 225 or permission of instructor. WINTER, even years

### MUPF 273 - Basic Conducting—1 hour

The development of basic conducting skills, focusing on beat patterns, expressive gestures, score preparation and rehearsal techniques. Prerequisite(s): MUCT 111 FALL | WINTER

**MUPF 279 - Service Playing—1 hour**

The development of skills requisite to playing both liturgical and non-liturgical services, including hymn playing, choral and solo accompanying, conducting from the console, improvisation and modulation, and selection of appropriate preludes, offertories, and postludes. Performance experience required. May be repeated for credit. Prerequisite(s): Two hours MUPF 189 (organ) or permission of instructor. FALL | WINTER

**MUPF 289 - Accompanying—1 hour**

The development of skills requisite to accompanying solo, choral, congregational, and worship service performance. Performance experience required. May be repeated for credit. Prerequisite(s): Two hours MUPF 189 (piano) or permission of instructor. FALL | WINTER

**MUPF 295 - Directed Study—1-3 hours**

Individual study open to music majors and other qualified students. Content to be arranged. Approval must be secured from the School Dean prior to registration. May be repeated up to a total of three hours.

**MUPF 318 - I Cantori—1 hour**

See MUPF 118 for course description. FALL | WINTER

**MUPF 319 - Bel Canto—1 hour**

See MUPF 119 for course description. FALL | WINTER

**MUPF 328 - Wind Symphony—1 hour**

See MUPF 128 for course description. FALL | WINTER

**MUPF 329 - Applied Music—1-2 hours**

Private instruction in voice, piano, organ, or orchestral instrument. One-half hour lesson and a minimum five hours practice per week are required for each hour of credit granted. Music lesson fee required. May be repeated for credit. Prerequisite(s): Two hours of MUPF 129 or permission of instructor. FALL | WINTER

**MUPF 334 - Chamber Music—1 hour**

Study and performance of chamber literature for various combinations of strings, brass, woodwinds, and percussion from the earliest examples to works of the 20th century. May be repeated for credit. FALL | WINTER

**MUPF 338 - Symphony Orchestra—1 hour**

See MUPF 138 for course description. FALL | WINTER

**MUPF 344 - Instrumental Literature—2 hours**

Study and performance of solo literature for strings, brass, woodwinds, or percussion from the earliest examples to works of the 20th century. FALL | WINTER

**MUPF 358 - Die Meistersinger Male Chorus—1 hour**

See MUPF 158 for course description. FALL | WINTER

**MUPF 373 - Choral Conducting—2 hours**

The art of communicating with and through a choral ensemble based on the development of clear and expressive conducting gestures. Study of the unique processes of individual and ensemble vocal development: breath management, phonation, resonance, and articulation. Score analysis, repertoire selection, performance practice, program building, and administration. Prerequisite(s): MUPF 273. FALL, even years

**MUPF 374 - Instrumental Conducting—2 hours**

The study of band and orchestral scores, covering elements of style, form, and interpretation. Emphasis on instrumental problems and transpositions. Development of baton technique through conducting instrumental ensembles. Prerequisite(s): MUPF 273. WINTER, odd years

**MUPF 378 - Instrumental Ensemble Experience—1 hour**

See MUPF 178 for course description. FALL | WINTER

**MUPF 388 - Vocal Ensemble Experience—1 hour**

See MUPF 188 for course description. FALL | WINTER

**MUPF 389 - Concentration—1-2 hours**

For music majors and minors. Private instruction in voice, piano, organ, or orchestral instrument. One-half hour lesson and a minimum five hours practice per week are required for each hour of credit granted. Private lessons for voice majors and minors include attendance at a weekly voice performance class. All students must perform on at least one Music General Recital and complete a Jury Examination at the end of the semester. Music lesson fee required. May be repeated for credit. Prerequisite(s): Junior Standing as Music Major or approval of music faculty. FALL | WINTER

**MUPF 489 - Senior Recital—2 hours**

The preparation and performance of a senior recital in the music major's area of concentration. Course requirements include 12 one-hour lessons with a recital document and/or program notes as appropriate to the content of the recital. An audition of the recital is required at least three weeks in advance of the recital date. All requirements for this course must be met within the semester for which the student is registered. Music lesson fee required. Prerequisite(s): Permission of music faculty. FALL | WINTER

**MUPF 495 - Directed Study—1-3 hours**

Individual study open to music majors and other qualified students. Content to be arranged. Approval must be secured from the School Dean prior to registration. May be repeated up to a total of three hours.

**Nondepartmental****NOND 050 - Student Missions (SERV-2)—0 hours hours**

Students who are serving as Student Missionaries through the Student Missions program at Southern Adventist University are eligible to enroll in NOND 050. This is a service-learning class. The student is expected to use what they learn in the classroom and mission field to make a difference in the community. Reflection component will enable students to describe, and examine how they utilized their knowledge and abilities to serve others. FALL | WINTER

**NOND 099 - Student Missions Orientation—0 hours hours**

[Non-Credit] This class is administered by the University Chaplain. A course designed to help students better understand cultural differences, interpersonal relationships, health care for others and themselves, social and monetary problems, personal qualifications for service, and relevant denominational policies for overseas service. The class is required by the General Conference of Seventh-day Adventist for those under appointment as student missionaries. The class is also a prerequisite for students participating in the North American Division Task Force Program. WINTER

**NOND 101 - Southern Connections (IN-1)—1 hour**

This seminar is designed to equip first-year students for success in the university environment. Emphasis will be placed on the development of critical and creative thinking skills within a student's area of interest. FALL | WINTER

**NOND 103 - JumpStart: Academic Success—1 hour**

This course is designed to equip first year students entering the university on conditional standing with the tools needed to be successful at the university. Course materials will focus on enhancing academic skills such as effective note-taking, test-taking strategies, and study skills in order to maximize learning. The course will also focus on effective time-management, career choice, developing meaningful relationships with peers and professors, and knowing about sources of assistance to resolve problems. WINTER | SUMMER

**NOND 105 - The University Enrichment—1 hour**

This course is specifically designed to enhance the success of students at the university level. Success is dependent upon the student's ability to apply practical life skills to gain self-knowledge, set appropriate goals, and succeed. Focus will be on time management, emotional intelligence, critical thinking, study skills, learning styles and reading comprehension strategies. The need to identify a student's specific motivation for learning will be emphasized. FALL | WINTER

**NOND 108 - International Connections—1 hour**

This course is designed specifically for students who live outside the United States and have a temporary or student visa. Course content includes key information on immigration matters, health insurance and many campus resources including placement testing, registration and academic advising. Participation in this class, SEVIS check-in, attendance at new student orientation, and a campus walking tour are required. FALL | WINTER

**NOND 226 - Christian Service (SERV-2)—0-3 hours hours**

This class is for elective credit only and is designed for student participants in the international evangelistic campaigns organized by the Pierson Institute of Evangelism and World Missions each summer. The credit is earned primarily by participating in the "boot camp" training session prior to traveling abroad and then preaching a series of evangelistic sermons in an international location. However, reading and other activities may be assigned as well. (Pass/Fail) May not be repeated for credit. This course is cross-listed with NOND 326. A student may receive credit for this course from only one program. WINTER | SUMMER

**NOND 227 - Christian Service I (SERV-2)—6 hours**

This class is administered by the University Chaplain. A two-semester sequence for elective credit only, designed for student participants in the North American Division Task Force and Student Mission Program. The credit is primarily field work characterized by Christian witnessing and other assignments. Other activities may be designated. Students may earn six credit hours by completing one semester or twelve credit hours by completing a full academic year. Periodic reports from the students and on-site supervisors may be required. The policy for tuition refunds applies. Refer to the finance section of the Catalog. The date the college receives notification of withdrawal will be the official withdrawal date. May not be repeated for credit. Prerequisite(s): NOND 099. FALL

**NOND 228 - Christian Service II (SERV-2)—6 hours**

This class is administered by the University Chaplain. A two-semester sequence for elective credit only, designed for student participants in the North American Division Task Force and Student Mission Program. The credit is primarily field work characterized by Christian witnessing and other assignments. Other activities may be designated. Students may earn six credit hours by completing one semester or twelve credit hours by completing a full academic year. Periodic reports from the students and on-site supervisors may be required. The policy for tuition refunds applies. Refer to the finance section of the Catalog. The date the college receives notification of withdrawal will be the official withdrawal date. May not be repeated for credit. Prerequisite(s): NOND 099. WINTER

**NOND 265 - Topics—1-3 hours**

Selected topics presented in classroom setting. The course may be repeated for credit. FALL | WINTER

**NOND 308 - Mission Trip (SERV-2)—0-1 hour**

See NURS 327 for course description. Lab Fee: Variable. This course is cross-listed with NURS 327. A student may receive credit for this course from only one program. WINTER

**NOND 326 - Christian Service (SERV-2)—0-3 hours**

See NOND 226 for course description. (Pass/Fail) May not be repeated for credit. This course is cross-listed with NOND 226. A student may receive credit for this course from only one program. WINTER | SUMMER

**NOND 465 - Topics—1-3 hours**

See NOND 265 for course description. FALL | WINTER

**Nutrition****NRNT 125 - Nutrition—3 hours**

A study of basic nutrition principles and how to reliably combat disease and achieve optimal health through nutrition and lifestyle choices. This course includes current issues in nutrition and a practical application in teaching others. FALL | WINTER

**Nursing****NRSO 090 - Registered Nurse Update—0 hours**

[Non-Credit] A non-credit course designed for the inactive nurse with a license who is intending to return to practice or to reinstate a permanent license as an RN or LPN nurse in the State of Tennessee. Includes both theory and clinical experience. Lab Fee: RN Update fee (\$450) will be assessed for this course. FALL | WINTER | SUMMER

**NRSO 103 - LPN-RN Perspectives—1 hour**

A course designed to supplement and prepare the LPN for advanced placement and career mobility. Prerequisite(s): Successful completion of the following: an approved Licensed Practical Nurse (LPN) program and NCLEX-PN. FALL | WINTER | SUMMER

**NRSO 126 - Adult Health I—4 hours**

A course designed sequentially to provide basic theory and evidence-based nursing care in dealing with culturally diverse adults who are experiencing selected non-critical, medical-surgical stressors. The nursing process is patient-centered to promote physical, psychological, sociological, spiritual health and to promote a safe environment and collaborate with the health team to intervene in illness, and incorporate wholistic principles of health and wellness. Practice takes place in an acute care facility. Three hours theory and one hour clinical. Lab Fee: 12 (\$300). Corequisite(s): NRNT 125; PSYC 122 or PSYC 128. FALL | WINTER

**NRSO 130 - Mental Health—4 hours**

A course that is designed to provide basic theory and nursing care to meet the needs of individuals across the life span experiencing psychiatric, mental health conditions. Evidence based nursing process is utilized to promote personalized care and to promote physical, psychological, sociological, and spiritual health and implement quality and safe care. Three hours of theory and one hour clinical. Lab Fee: 12 (\$300). Corequisite(s): NRNT 125; PSYC 122 or PSYC 128. FALL | WINTER

**NRSO 212 - Childbearing Family—4 hours**

A course utilizing evidence-based nursing process in providing care for childbearing families. Emphasis will be placed on assessment of stressors that affect the maternal/fetal, newborn, and family units. Consideration will be given to variables affecting expectant families and their infants before, during and immediately following delivery. Practice will take place in acute care and community settings. Three hours theory and one hour clinical. Lab Fee: 12 (\$300). Prerequisite(s): NRSO 126, NRSO 130. FALL|WINTER

**NRSO 226 - Adult Health II—4 hours**

A course designed sequentially to provide basic theory and evidence-based nursing care in dealing with culturally diverse adults who are experiencing selected non-critical, medical-surgical stressors. The nursing process is patient centered to promote physical, psychological, sociological, spiritual health and to promote a safe environment and collaborate with the health team to intervene in illness, and incorporate wholistic principles of health and wellness. Practice takes place in an acute care facility. Two and three-quarter hours theory and one and one-quarter hours clinical. Lab Fee: 14 (\$350). Prerequisite(s): NRSO 126, NRSO 130 and NRSO 240. FALL | WINTER

**NRSO 231 - Child Health (SERV-2)—4 hours**

A course utilizing the nursing process emphasizing primary and secondary prevention with special consideration given to developmental and sociocultural variables in the care of the child rearing family. Practice and service opportunities will be available in acute care and community settings (including service in NRSO 126 and NRSO 130) where the student has the opportunity to develop awareness of client needs, collaborate with other healthcare providers, and to provide education to clients. A reflection paper will be required for each service learning experience. Three and one-quarter hours theory and three-quarter hour of clinical. Lab Fee: 12 (\$300). Prerequisite(s): NRSO 212, NRSO 226. FALL | WINTER

**NRSG 240 - Introduction to Healthcare Informatics—1 hour**

This course introduces students to the use of computers in the field of nursing and nursing research. Presents specific nursing situations where the use of computer skills is essential for successful outcomes. Students will discover how the computer can assist the nursing student to provide the best patient care possible in a variety of settings. This course builds on computer skills already acquired in Computer Concepts as well as building on basic nursing skills. Lab Fee: 7 (\$120). Prerequisite(s): CPT 100. FALL | WINTER

**NRSG 265 - Topics in Nursing—1-7 hours**

Selected topics designed to meet the needs or interests of students in specialty areas of Nursing not covered in regular courses. This course may be repeated for credit. FALL | WINTER | SUMMER

**NRSG 291 - Preparation for Licensure—1 hour**

NCLEX-RN is a high-stakes exam culminating in a license to practice as a Registered Nurse. Preparation for successful completion of NCLEX-RN will include a variety of strategies for success, such as standardized RN Exit exams, practice questions, and contracts focused on areas of weakness. (Pass/Fail) Lab Fee: 6 (\$90). FALL | WINTER | SUMMER

**NRSG 295 - Directed Study—1-3 hours**

Individual study in an area of choice shall be worked out with the school prior to registration. Either upper or lower division credit may be earned. The area of directed study will appear on the transcript. No more than six hours directed study may be applied toward a degree. Prerequisite(s): Approval of the school dean.

**NRSG 305 - Adult Health III—4 hours**

A course designed to provide advanced theory and interventions for culturally diverse, acutely ill adults and their families in the critical-care setting. The evidence-based nursing process is utilized to provide quality and safe, whole-person Christian nursing care for entry level nursing practice in various critical care settings. Three and one-quarter hours theory and three-quarter hour of clinical. Lab Fee: 12 (\$300). Prerequisite(s): NRSG 212, NRSG 226. FALL | WINTER

**NRSG 308 - Mission Trip (SERV-2)—0-1 hour**

This elective class gives the opportunity for mission experience in a developing country or home mission area for the purpose of meeting physical, emotional, and spiritual needs. Opportunities are available to work collaboratively with students of other disciplines in intraprofessional outreach utilizing the knowledge and skills of each respective major. A reflection paper identifying both group and discipline-specific opportunities and contributions made on the mission trip will be turned in at the conclusion of the trip and will be assessed by the professor. This course may be repeated for credit. Lab Fee: Variable. WINTER

**NRSG 309 - Nursing Seminar—4 hours**

A capstone course that integrates wholistic, evidence-based nursing skills with principles of management. Practice takes place in acute care settings where the student manages groups of patients. Included is a nursing content review course in preparation for NCLEX-RN. Lab Fee: 15 (\$400). Corequisite(s): NRSG 231, NRSG 305. FALL | WINTER

**NRSG 311 - Complementary Interventions—1 hour**

This elective course introduces students to complementary therapies, such as music and painting, for patients who experience physiological, psychological, sociocultural, and spiritual stressors. Lab Fee: 3 (\$20). FALL|WINTER

**NRSG 313 - Herbal Therapy—1-2 hours**

This elective online course is a survey of generally accepted herbal therapies, their efficacy and safety. The focus will be on their use in conjunction with over-the-counter and prescription medications. Lab Fee: 5 (\$60). This course is cross-listed with NURS 328. A student may receive credit for this course from only one program. Pre- or Co-requisite: NRSG 212, NRSG 226. FALL | WINTER | SUMMER

**NRSG 316 - Applied Statistics for Health Professions (IN-4)—3 hours**

A course focusing on applied statistics used in quantitative research studies in the health professions. Topics include descriptive and inferential statistics, probabilities, hypothesis testing, relationship testing, reliability, and validity. The course includes the critique of statistical findings in peer-reviewed journal articles for evidence-based application in the healthcare setting. SPSS (statistical software) is used to analyze and display data. Basic computer competency is assumed. Lab Fee: 6 (\$90). Prerequisite(s): ACT MATH > 22 or MATH 215; NRSG 126, NRSG 130. FALL | WINTER

**NRSG 318 - Massage and Hydrotherapy—1 hour**

This elective course is an introduction to massage and hydrotherapy for all majors. Lab Fee: 5 (\$60). FALL | WINTER

**NRSG 322 - Professional Development in Nursing (W)—3 hours**

This course emphasizes nursing philosophies, theories, current concepts and issues relevant to professional development in nursing. Nursing career options and the importance of career planning are explored. Lab Fee: 5 (\$60). Prerequisite(s): NRSG 231. FALL | WINTER

**NRSG 328 - Health Assessment—3 hours**

A course that focuses on further development and refinement of nursing assessment skills related to health history, interviewing, and the basic head-to-toe physical exam. Emphasis is placed on recognizing normal findings across the life span within a whole-person framework. Two hours theory. Weekly lab arranged. Field trip may be required. Lab Fee: 10 (\$210). Prerequisite(s): NRSG 126, NRSG 130. FALL | WINTER

**NRS 330 - Informatics in Nursing Practice—2 hours**

An elective online course designed to develop understanding of healthcare technology and explore how technology has impacted nursing. Experience will be gained in the use of software to access, manage, and communicate information to enhance patient care and education. Lab Fee: 5 (\$60). FALL | WINTER | SUMMER

**NRS 338 - Missions and Health—2 hours**

This elective course introduces the student to principles and practices of global health care. Emphasis is placed on appropriate integration in developing countries. Key concepts include basic health education and disease prevention throughout the life. Utilization of available natural remedies and resources is explored. Lab Fee: 5 (\$60). FALL | WINTER

**NRS 344 - Population and Community Health Nursing I—2 hours**

See NURS 230 or course description. Lab Fee: 7 (\$120). This course is cross-listed with NURS 230. A student may receive credit for this course from only one program. Prerequisite(s): NRS 126, NRS 130. WINTER

**NRS 351 - Registered Nurse (RN) Licensure—0 hours**

Current RN License in any state. Required for completion of BS Nursing Degree. FALL | WINTER | SUMMER

**NRS 365 - Topics in Nursing—1-4 hours**

See NRS 265 for course description. FALL | WINTER

**NRS 389 - Nursing Pharmacology—3 hours**

A course that builds on prelicensure nursing education. Major classifications of medications, pharmacokinetics, and pharmacodynamics of pharmacological agents will be examined in the context of clinical nursing management of patients with complex pathophysiological conditions and common pharmacological interventions. Lab Fee: 5 (\$60). Prerequisite(s): CHEM 120 or CHEM 151; NRS 126 and NRS 130. FALL | WINTER | SUMMER

**NRS 405 - Sexual Abuse Awareness and Prevention—1-3 hours**

See SOCW 405 for course description. WINTER

**NRS 412 - Preparing to Meet the Firms—1 hour**

See BUAD 412 for course description. FALL | WINTER

**NRS 434 - Pathophysiology—3 hours**

A course examines major processes related to the disease process and alterations in homeostasis. Selected diseases are presented as exemplars of each concept. The student will be equipped to apply the understanding of basic pathophysiological processes to a broader range of diseases encountered in practice. Lab Fee: 7 (\$120). Prerequisite(s): NRS 126, NRS 130. FALL | WINTER

**NRS 464 - Population and Community Health Nursing II (SERV-2)—3 hours**

See NURS 455 for course description. Two hours theory, one hour clinical. Lab Fee: 9 (\$180). This course is cross-listed with NURS 455. A student may receive credit for this course from only one program. Pre- or Co-requisite: NRS 344. FALL

**NRS 465 - Topics in Nursing—1-4 hours**

See NRS 265 for course description. FALL | WINTER

**NRS 467 - Health Evangelism (R-4) (SERV-2)—2-3 hours**

This is a nursing elective course. See RELP 467 for course description. This course is cross-listed with RELP 467. A student may receive credit for this course from only one program. WINTER

**NRS 475 - Professional Portfolio and Career Development—1-4 hours**

This senior level elective course involves the development of a portfolio that demonstrates the student's academic and clinical achievements and supports professional development. Prerequisite(s): Permission of Instructor. FALL | WINTER | SUMMER

**NRS 481 - Nursing Leadership Practicum—2 hours**

This elective practicum focuses on development of servant leadership through mentored experiences with healthcare leaders. Principles of strategic planning, sound decision-making, inter-professional collaboration, and human resource development are emphasized. Lab Fee: 5 (\$60). Prerequisite(s): NRS 291, NRS 305, NRS 309, RN License and Permission of Program Coordinator. FALL|WINTER|SUMMER

**NRS 485 - Nursing Leadership and Management (IN-9)—3 hours**

A course that provides an opportunity for the student to develop leadership and management skills. Leadership theories and practices, healthcare systems and financial management are examined from a biblical perspective. Two hours theory, one hour clinical. Lab Fee: 9 (\$180). Prerequisite(s): NRS 231, NRS 305, NRS 309. FALL | WINTER | SUMMER

**NRS 491 - Senior Nursing Practicum—2-3 hours**

This elective practicum focuses on clinical practice in an area of student interest. Lab Fee: 5 (\$60). Prerequisite(s): NRS 291, NRS 305, NRS 309. FALL | WINTER

**NRS 495 - Directed Study—1-3 hours**

See NRS 295 for course description. Prerequisite(s): Approval of the school dean.



**NRSG 497 - Research Methods in Nursing (W)—3 hours**

This course introduces the research process and its application to evidence-based nursing practice. Emphasis is on skills required to understand, critically evaluate, and utilize research in practice. Lab Fee: 5 (\$60). Prerequisite(s): NRSG 231, NRSG 305, NRSG 309; ENGL 102. FALL | WINTER

**NURS 103 - LPN-RN Perspectives—1 hour**

A course designed to supplement and prepare the LPN for advanced placement and career mobility. Prerequisite(s): Successful completion of the following: An approved Licensed Practical Nurse (LPN) program and NCLEX-PN. FALL | WINTER

**NURS 105 - Introduction to Healthcare Informatics—1 hour**

This course introduces students to the use of computers in the field of nursing and nursing research. Presents specific nursing situations where the use of computer skills is essential for successful outcomes. Students will discover how the computer can assist the nursing student to provide the best patient care possible in a variety of settings. This course builds on computer skills already acquired in Computer Concepts as well as building on basic nursing skills. Lab Fee: 5 (\$60). Pre- or Co-requisite: NURS 120. FALL | WINTER

**NURS 115 - Health Assessment I—2 hours**

A course that focuses on the development of introductory skills in health assessment, patient interviewing, initial health history, and basic head-to-toe physical exam. Emphasis is on recognizing normal findings for the adult patient within a whole-person framework and integrating health assessment into nursing practice. One hour theory and one hour skills. Weekly lab arranged. Lab Fee: 5 (\$60). Corequisite(s): NURS 120. FALL | WINTER

**NURS 120 - Fundamentals of Nursing—7 hours**

A foundational nursing course that introduces concepts and skills basic to professional nursing and builds on the whole-person perspective of the Adventist Framework for Nursing Practice. This framework defines humans as complex integrated beings with physiological, psychological, sociocultural, and spiritual needs and attributes. Critical thinking, clinical reasoning, nursing process, and ethical and legal standards are introduced as the basis for safe, quality, culturally appropriate, patient-centered nursing care. Application of knowledge, skills, and professional behavior occurs in the simulation, skills lab, and healthcare facilities. Lab Fee: 15 (\$480). Prerequisite(s): Admission to Nursing; CHEM 120; BIOL 101 and BIOL 102. FALL | WINTER

**NURS 200 - Adult Health I—4 hours**

A course designed sequentially to provide basic theory and evidence-based nursing care in dealing with culturally diverse adults who are experiencing selected non-critical, medical-surgical stressors. The nursing process is patient-centered to promote physical, psychological, sociological, spiritual health and to promote a safe environment and collaborate with the health team to intervene in illness, and incorporate wholistic principles of health and wellness. Practice takes place in an acute care facility. Three hours theory and one hour clinical. Lab Fee: 12 (\$300). Prerequisite(s): NURS 120. Pre- or Co-requisite: NRNT 125; PSYC 122 or PSYC 128. FALL | WINTER

**NURS 203 - Nursing Enrichment—0-1 hours**

Nursing is a high-stakes program culminating in a license to practice as a Registered Nurse. Preparation for success in the nursing program is dependent upon the ability to apply theory to practice on unit, cumulative, and standardized exams. Focus will be on learning style, study skills, critical thinking, clinical analytical reasoning, and time management. Course required for those determined by the Admissions Committee to be at risk as well as those who earn C+ or lower in the test category or course grade in a core NURS course. Lab Fee: 6 (\$90). Prerequisite(s): Enrollment in NURS classes and Director of Admissions and Progressions referral. FALL | WINTER

**NURS 220 - Mental Health—4 hours**

A course that is designed to provide basic theory and nursing care to meet the needs of individuals across the life span experiencing psychiatric, mental health conditions. Evidence-based nursing process is utilized to promote personalized care and to promote physical, psychological, sociological, and spiritual health and implement quality and safe care. Three hours theory and one hour clinical. Lab Fee: 12 (\$300). Prerequisite(s): NURS 120. Pre- or Co-requisite: NRNT 125; PSYC 122 or PSYC 128. FALL | WINTER

**NURS 230 - Population and Community Health Nursing I—2 hours**

This course uses a Biblical foundation to focus on stressors that impact diverse communities and populations. Emphasis is placed on social determinants, epidemiological concepts, health promotion and literacy. In order to enhance culturally competent care, cultural beliefs, values, ethics, and family dynamics are analyzed as they occur in diverse communities and populations. Various nursing theoretical frameworks and models are considered for care delivery. Lab Fee: 7 (\$120). This course is cross-listed with NRSG 344. A student may receive credit for this course from only one program. WINTER

**NURS 265 - Topics in Nursing—1-7 hours**

Selected topics designed to meet the needs or interests of students in specialty areas of nursing not covered in regular courses. This course may be repeated for credit. FALL | WINTER

**NURS 295 - Directed Study—1-3 hours**

Individual study in an area of choice shall be worked out with the school prior to registration. Either upper or lower division credit may be earned. The area of directed study will appear on the transcript. No more than six hours directed study may be applied toward a degree. Prerequisite(s): Approval of the school dean.

**NURS 300 - Adult Health II—4 hours**

A course designed sequentially to provide basic theory and evidence-based nursing care in dealing with culturally diverse adults who are experiencing selected non-critical, medical-surgical stressors. The nursing process is patient centered to promote physical, psychological, sociological, spiritual health and to promote a safe environment and collaborate with the health team to intervene in illness, and incorporate holistic principles of health and wellness. Practice takes place in an acute care facility. Two and three-quarter hours theory and one and one-quarter hours clinical. Lab Fee: 14 (\$350). Prerequisite(s): NURS 120, NURS 200, and NURS 220. FALL | WINTER

**NURS 315 - Health Assessment II—2 hours**

A course that builds on basic nursing assessment and further develops assessment skills and critical thinking. Emphasis is on recognizing normal findings as well as commonly encountered variations across the lifespan within a whole-person framework. One hour theory and one hour skills. Weekly lab arranged. Field trip may be required. Lab Fee: 8 (\$150). Prerequisite(s): NURS 115. FALL | WINTER

**NURS 322 - Childbearing Family—4 hours**

A course utilizing evidence-based nursing process in providing care for childbearing families. Emphasis will be placed on assessment of stressors that affect the maternal/fetal, newborn, and family units. Consideration will be given to variables affecting expectant families and their infants before, during and immediately following delivery. Practice will take place in acute care and community settings. Three hours theory and one hour clinical. Lab Fee: 12 (\$300). Prerequisite(s): NURS 200 and NURS 220. FALL | WINTER

**NURS 327 - Mission Trip (SERV-2)—0-1 hours**

This elective class gives the opportunity for mission experience in a developing country or home mission area for the purpose of meeting physical, emotional, and spiritual needs. Opportunities are available to work collaboratively with students of other disciplines in intraprofessional outreach utilizing the knowledge and skills of each respective major. A reflection paper identifying both group and discipline-specific opportunities and contributions made on the mission trip will be turned in at the conclusion of the trip and will be assessed by the professor. This course may be repeated for credit. Lab Fee: Variable. This course is cross-listed with NOND 308. A student may receive credit for this course from only one program. WINTER

**NURS 328 - Herbal Therapy—1-2 hours**

This elective online course is a survey of generally accepted herbal therapies, their efficacy and safety. The focus will be on their use in conjunction with over-the-counter and prescription medications. Lab Fee: 5 (\$60). Prerequisite(s): NURS 120. FALL | WINTER | SUMMER

**NURS 335 - Professional Development in Nursing (W)—3 hours**

This course emphasizes nursing philosophies, theories, current concepts and issues relevant to professional development in nursing. Nursing career options and the importance of career planning are explored. Lab Fee: 5 (\$60). Prerequisite(s): NURS 120. FALL | WINTER

**NURS 337 - Massage and Hydrotherapy—1 hour**

This elective course is an introduction to massage and hydrotherapy for all majors. Lab Fee: 5 (\$60). FALL | WINTER

**NURS 338 - Informatics in Nursing Practice—2 hours**

An elective online course designed to develop understanding of healthcare technology and explore how technology has impacted nursing. Experience will be gained in the use of software to access, manage, and communicate information to enhance patient care and education. Lab Fee: 5 (\$60). FALL | WINTER | SUMMER

**NURS 345 - Nursing Pharmacology—3 hours**

This course focuses on concepts of pharmacokinetics, pharmacodynamics, adverse responses, and major classifications of pharmacologic agents and their prototypes, and the use of the nursing process in pharmacologic therapy across the lifespan. Major classifications of drugs are discussed using a prototype approach. Lab Fee: 5 (\$60). Prerequisite(s): NURS 120. FALL | WINTER

**NURS 347 - Missions and Health—2 hours**

This elective course introduces the student to principles and practices of global health care. Emphasis is placed on appropriate integration in developing countries. Key concepts include basic health education and disease prevention throughout the life. Utilization of available natural remedies and resources is explored. Lab Fee: 5 (\$60). This course is cross-listed with RELP 338 and SOCW 338. A student may receive credit for this course from only one program. FALL | WINTER

**NURS 348 - Sexual Abuse Awareness and Prevention—1-3 hours**

See SOCW 405 for course description. This course is cross-listed with PSYC 405 and SOCW 405. A student may receive credit for this course from only one program. WINTER

**NURS 351 - Registered Nurse (RN) Licensure—0 hours**

Current RN License in any state. Required for completion of RN to BSN degree. FALL | WINTER | SUMMER

**NURS 355 - Pathophysiology—3 hours**

This course examines major disease processes and alterations in homeostasis. Selected diseases are presented as exemplars of each concept. The student will be equipped to apply the understanding of basic pathophysiologic processes to a broader range of diseases encountered in practice. Lab Fee: 7 (\$120). Prerequisite(s): NURS 120. FALL | WINTER



**NURS 357 - Complementary Interventions—1 hour**

This elective course introduces students to complementary therapies, such as music and painting, for patients who experience physiological, psychological, sociocultural, and spiritual stressors. Lab Fee: 3 (\$20). FALL | WINTER

**NURS 365 - Topics in Nursing—1-4 hours**

Selected topics designed to meet the needs or interests of students in specialty areas of Nursing not covered in regular courses. FALL | WINTER | SUMMER

**NURS 385 - Applied Statistics for Health Professions (IN-4)—3 hours**

A course focusing on applied statistics used in quantitative research studies in the health professions. Topics include descriptive and inferential statistics, probabilities, hypotheses testing, relationship testing, reliability, and validity. The course includes the critique of statistical findings in peer-reviewed journal articles for evidence-based application in the healthcare setting. SPSS (statistical software) is used to analyze and display data. Basic computer competency is assumed. Lab Fee: 6 (\$90). Prerequisite(s): ACT MATH>22 or MATH 215. FALL | WINTER

**NURS 400 - Adult Health III—4 hours**

A course designed to provide advanced theory and interventions for culturally diverse, acutely ill adults and their families in the critical-care setting. The evidence-based nursing process is utilized to provide quality and safe, whole-person Christian nursing care for entry level nursing practice in various critical care settings. Three and one-quarter hours theory and three-quarter hour clinical Lab Fee: 12 (\$300). Prerequisite(s): NURS 300 and NURS 322. FALL | WINTER

**NURS 412 - Preparing to Meet the Firms—1 hour**

See BUAD 412 for course description. This course is cross-listed with BUAD 412. A student may receive credit for this course from only one program. FALL | WINTER

**NURS 420 - Child Health (SERV-2)—4 hours**

A course utilizing the nursing process emphasizing primary and secondary prevention with special consideration given to developmental and sociocultural variables in the care of the child rearing family. Practice and service opportunities will be available in acute care and community settings (including service in NURS 120, NURS 200, NURS 220) where the student has the opportunity to develop awareness of client needs, collaborate with other healthcare providers, and to provide education to clients. A reflection paper will be required for each service learning experience. Three and one-quarter hours theory and three-quarter hour clinical. Lab Fee: 12 (\$300). Prerequisite(s): BIOL 225 ; NURS 300, NURS 322, NURS 345, and NURS 355. FALL | WINTER

**NURS 425 - Capstone Clinical - AS—2 hours**

A culminating clinical experience in an acute care setting where the AS student prepares for transition to RN practice through precepted management of groups of patients. Seventy-two (72) clock hours are required. Lab Fee: 12 (\$300). Pre- or Co-requisite: NURS 400, NURS 420. Corequisite(s): NURS 432, NURS 440. FALL | WINTER

**NURS 426 - Capstone Clinical - BSN—3 hours**

A culminating clinical experience in an acute care setting where the BSN student prepares for transition to RN practice through precepted management of groups of patients. One hundred twenty (120) clock hours are required. Lab Fee: 12 (\$300). Pre- or Co-requisite: NURS 400, NURS 420. Corequisite(s): NURS 432, NURS 440. FALL | WINTER

**NURS 429 - Critical Care of the Newborn—2-3 hours**

This elective course is designed to provide nurses the knowledge base needed to assess, plan, and provide holistic care for the critically ill newborn. Key concepts include physiologic, psychosocial, sociocultural, spiritual and ethical decision making. Lab Fee: 5 (\$60). Prerequisite(s): NURS 400, NURS 420, and NURS 432; NURS 425 or NURS 426. WINTER

**NURS 432 - Capstone Seminar—2 hours**

This seminar course integrates whole person, evidence-based nursing principles of practice and management. Included is a nursing content review course in preparation for NCLEX-RN. Lab Fee: 15 (\$400). Pre- or Co-requisite: NURS 400, NURS 420. Corequisite(s): NURS 440; NURS 425 or NURS 426 FALL | WINTER

**NURS 439 - Concepts in Adult Critical Care—2 hours**

This elective course explores basic concepts of adult critical care. One and one-half hour theory and half hour clinical. Lab Fee: 5 (\$60). Prerequisite(s): NURS 400, NURS 420, and NURS 432; NURS 425 or NURS 426. WINTER

**NURS 440 - Preparation for Licensure—1 hour**

NCLEX-RN is a high-stakes exam culminating in a license to practice as a Registered Nurse. Preparation for successful completion of NCLEX-RN will include a variety of strategies for success, such as standardized RN Exit exams, practice questions, and contracts focused on areas of weakness. Pass/Fail Lab Fee: 6 (\$90). Pre- or Co-requisite: NURS 400, NURS 420, NURS 425, and NURS 432. FALL | WINTER

**NURS 446 - Population and Community Health Nursing (SERV-2)—4 hours**

This course examines health issues from community, cultural, and environmental perspectives based on a Biblical foundation. It synthesizes nursing theory and public health science, emphasizing social determinants, epidemiological concepts, health promotion, health maintenance and disease prevention among populations. Experiential learning includes individual and group learning activities/projects in the community. Three hours theory and one hour clinical. Lab Fee: 9 (\$180). Pre- or Co-requisite: NURS 400. FALL | WINTER | SUMMER

**NURS 450 - Nursing Leadership and Management (IN-9)—3 hours**

A course that provides an opportunity for the student to develop leadership and management skills. Leadership theories and practices, healthcare systems and financial management are examined from a biblical perspective. Two hours theory, one hour clinical. Lab Fee: 9 (\$180). Prerequisite(s): NURS 400, NURS 420, and NURS 432; NURS 425 or NURS 426. FALL | WINTER

**NURS 455 - Population and Community Health Nursing II (SERV-2)—3 hours**

This course focuses on the Biblical foundation of service and care regarding health promotion in diverse communities and populations. Emphasis is placed on connecting with communities, families, and individuals using the Adventist SON framework as care is delivered. The student will apply theoretical concepts with experiential learning within diverse populations and community settings will focus on cultural competency and wholistic care. Experiential learning will include culminating individual and group learning activities in the community. A project with presentation is required. Two hours theory, one hour clinical. Lab Fee: 9 (\$180). This course is cross-listed with NRS 464. A student may receive credit for this course from only one program. Prerequisite(s): NURS 230 or NRS 344. FALL

**NURS 460 - Nursing Seminar—4 hours**

See NRS 309 for course description. Lab Fee: 15 (\$400). This course is cross-listed with NRS 309. A student may receive credit for this course from only one program. Prerequisite(s): NURS 420. WINTER

**NURS 465 - Topics in Nursing—1-4 hours**

See NURS 265 for course description. FALL | WINTER

**NURS 475 - Research Methods in Nursing (W)—4 hours**

This course introduces the steps of ethical quantitative and qualitative research and understanding and utilizing research studies as the basis for evidence-based practice. Application and interpretation of descriptive and inferential statistics are included. SPSS (statistical software) is used to analyze and display data. These skills transition into understanding, critical evaluation, and application of research in practice. Lab Fee: 8 (\$150). Prerequisite(s): MATH 215; NURS 420. FALL | WINTER

**NURS 477 - Professional Portfolio/Career Development—1-4 hours**

This senior level elective course involves the development of a portfolio that demonstrates the student's academic and clinical achievements and supports professional development. Prerequisite(s): Permission of Instructor. FALL | WINTER

**NURS 481 - Nursing Leadership Practicum—2 hours**

This RN-BSN elective practicum focuses on development of servant leadership through mentored experiences with healthcare leaders. Principles of strategic planning, sound decision-making, inter-professional collaboration, and human resource development are emphasized. Lab Fee: 5 (\$60). Prerequisite(s): RN License and Permission of Program Coordinator. FALL | WINTER | SUMMER

**NURS 485 - Research Methods in Nursing (W)—3 hours**

This course for RN-BSN students introduces the research process and its application to evidenced-based nursing practice. Emphasis is on skills required to understand, critically evaluate, and utilize research in practice. Lab Fee: 5 (\$60). Prerequisite(s): ENGL 102; NURS 400, NURS 420, and NURS 432; NURS 425 or NURS 426. FALL | WINTER

**NURS 491 - Senior Nursing Practicum—2 hours**

This elective practicum focuses on clinical practice in an area of student interest. Lab Fee: 5 (\$60). Prerequisite(s): NURS 400, NURS 420, and NURS 432. FALL | WINTER

**NURS 495 - Directed Study—1-3 hours**

See NURS 295 for course description. Prerequisite(s): Approval of the school dean.

**Outdoor Leadership****OUTL 136 - Survey of Experiential Leadership—3 hours**

This foundational leadership course is the gateway course to the Outdoor Leadership major and minor, however this course is open to all students seeking an introduction to leadership and outdoor adventure. Through being involved in actual leadership experiences in the outdoors on at least two outdoor adventure expeditions, students will begin the process of learning about themselves and how they might approach leading others. Because of the hands-on nature of this course, it requires multiple outdoor class periods over a 24 day period which students will help plan and execute through a leader-of-the-day process. Lab Fee: 18 (\$700). SUMMER | FALL

**OUTL 218 - Fundamentals of Experiential Leadership—3 hours**

This course serves as a foundational leadership theory course for future professionals in the outdoor industry, as well as those individuals seeking practical hands-on learning experience as psychology, ministry, and business professionals. Through the use of practical outdoor student-led experiences it delves into what it means to truly be a servant leader. It dives into expedition behavior and planning, risk management/hazard evaluation, and teaching and facilitation skill based on experiential learning. An off-campus trip of up to four days will be required. Lab Fee: 8 (\$150). Prerequisite(s): OUTL 136 or consent of instructor. FALL

**OUTL 221 - Challenge Course Facilitator—3 hours**

This course presents the content, methods, and safety measures used for cooperative initiatives and challenge course facilitation. Students will learn to use and implement the challenge course as a personal growth and development tool for different age groups and diverse populations. They will learn how trust, goal setting, peak experiences, challenge, stress, problem solving, and fun are key elements in effective challenge course facilitation. An off-campus field experience of up to four days may be required. Lab Fee: 11 (\$240). This course is cross-listed with PSYC 221. A student may receive credit for this course from only one program. Prerequisite(s): OUTL 136. FALL

**OUTL 227 - Primitive Skills—2 hours**

This course is designed to provide theory and field experience in primitive skills. Topics may include, but are not limited to: primitive clothing, shelter building, fire building, cooking, ethnobotany, burn and scrape vessels, clay pottery, flintknapping, cordage twining, basketry. An off-campus field experience of up to four days may be required. Lab Fee: 9 (\$180). WINTER

**OUTL 229 - Wilderness Survival—2 hours**

This course combines mental and physical preparation for wilderness survival situations. Topics and skills developed include, but are not limited to: survival priorities and essentials, personal survival kits, shelter building, fire building, water purification, wilderness first aid, wild edible and useful plants, signaling, weather prediction, and navigation. An off-campus field trip of up to 4 days is required. Lab Fee: 9 (\$180). FALL

**OUTL 234 - Emergency Medical Responder I—3 hours**

Emergency Medical Responders (EMR) in the US provide initial emergency care first on the scene (police/fire department/search and rescue) and support Emergency Medical Technicians and Paramedics when they arrive. The skills allowed at this level are very similar to an EMTs typically including patient assessment, taking vital signs, bleeding control, positive pressure ventilation with a bag valve mask, oropharyngeal airway, nasopharyngeal airway, supplemental oxygen administration, oral suctioning, cardio-pulmonary resuscitation (CPR), use of an automated external defibrillator (AED), splinting, assisting in the administration of basic medications such as epinephrine auto-injectors, oral glucose, rescue inhalers, and assisting a patient with their own Nitroglycerin. They are also trained in packaging, moving and transporting patients. Lab Fee: 8 (\$150). FALL

**OUTL 235 - Emergency Medical Responder II—3 hours**

This course is a continuation of Emergency Medical Responder 1. Once this course is successfully completed the student can take the exam for certification as a National Registry Emergency Medical Responder. The National Registry is the certifying body for EMR's, EMT's and Paramedics. Lab Fee: 8 (\$150). Prerequisite(s): OUTL 234. WINTER

**OUTL 265 - Outdoor Leadership Topics—0-3 hours**

Selected topics in outdoor education curriculum, skills, counseling, environmental study, etc. This course may be repeated for credit. Lab Fee: Variable as needed. FALL | WINTER

**OUTL 295 - Directed Study—1-3 hours**

This course permits the advanced student with adequate preparation to pursue independent study in special fields. This course may be repeated for credit.

**OUTL 301 - Outdoor Ministries (SERV-2)—3 hours**

This course sharpens students' skills in connecting people with God through nature. Whether the student is preparing to teach forest kindergarten, planning a week of outdoor education for their 5th graders, taking a group of high school students on Senior Survival, or planning a retreat for the elders of their local church, this class will provide hands-on skills for using the out of doors to grow people's understanding and connection with God. Three areas of focus are emphasized: 1) Ministry skills, such as leading spiritual nature activities, oral presentations, group facilitation, active listening, etc. 2) Spiritual development, such as personal spiritual growth, interpreting and designing object lessons, utilizing the wilderness to strengthen our relationship with God and as a place of spiritual transformation, and 3) Understanding of the natural world, such as plant and animal identification, understanding theories of origin, increased observational skills, etc. Students will gain practical outdoor ministry experience through networking with area schools, churches, and community programs. FALL

**OUTL 318 - Wilderness First Responder—3 hours**

This is a nationally recognized program that trains participants to respond to emergencies in remote settings. The course is designed specifically to provide the student with the tools to make critical medical and evacuation decisions in remote locations. Half of the time will be spent completing practical skills, case studies and scenarios designed to challenge decision-making abilities. The 80-hour curriculum includes standards for urban and extended care situations. Special topics include but are not limited to: wound management and infection, realigning fractures and dislocations, improvised splinting techniques, patient monitoring and long term management problems, up-to-date information on all environmental emergencies, plus advice on drug therapies. Emphasis is placed on prevention and decision-making, not the memorization of lists. The WMI Adult and Child CPR is included in the course. Lab Fee: 17 (\$600). WINTER

**OUTL 320 - Intermediate/Advanced Rock Climbing—2 hours**

The focus of this course is to develop competent and well-rounded leaders for rock climbing programs. Students must possess a current climbing résumé containing a minimum of twenty (15) climbs to enroll in this course as well as pass a comprehensive basic skills exam at the onset of the class. Key components such as gear placement, anchor building, self-rescue, sport climbing, traditional lead climbing, and multi-pitch transitions, and rope management will be emphasized on this course. Students will be encouraged to develop skills that will allow them to be safe and self-reliant climbers and have the situational awareness to be in a leadership role during group climbing situations. Students will be required to participate in multiple half-day climbing field trips and two weekend trips. Additionally, students are expected to add a minimum of twenty-five (15) sport, or trad lead or “mock-lead” climbs to their climbing résumé during the time of the class. An extended field experience of up to four days may be required. This course prepares students to take OUTL 348. Lab Fee: 10 (\$210). Prerequisite(s): ADAC 145 with minimum grade of A or permission of the instructor. WINTER

**OUTL 325 - Confined Space Rescue—2 hours**

This course is designed to meet the training requirements of 29 CFR 1910.146; 29 CFR 1910.146 (k), and NFPA 1670. Twenty-four (24) to forty (40) hours of intensive classroom and field instruction covers the basic skills needed to safely and efficiently perform confined space entry rescues. Topics covered in the program include assessment of confined space hazards, atmospheric monitoring, confined space rescue equipment use and limitations, knots, vertical and horizontal hauling, lowering systems, personal protective equipment and patient packaging. Topics of instruction may also include those of Permit-Required confined spaces: duties of supervisors, entrants and attendants, lock out/tag out procedures, atmospheric monitoring and non-entry rescue. An extended off-campus field experience of up to four days may be required. Lab Fee: 12 (\$300). Winter, odd years

**OUTL 330 - Wilderness Emergency Medical Technician—3 hours**

This course is the highest level of wilderness medicine training available. WMI's WEMT certification opens the door to a variety of career opportunities, such as EMT, ski patrol, SAR teams, or other emergency medical fields. This month-long intensive program combines wilderness medicine with urban medical emergencies. Students who successfully complete the course as well as both written and practical examinations will be certified by the National Registry of Emergency Technicians' in Basic EMT and Wilderness EMT. Courses take place in North Carolina. Lab Fee: 21 (\$1000). Prerequisite(s): Students must be 18 years of age before the course start date, have a TB test completed less than one year prior to the last day of class, and have current healthcare provider level CPR certification. SUMMER, odd years

**OUTL 331 - Equine Behavior and Training Management—1 hour**

This introductory course examines equine behavior and learning and its implications to training and management. Students develop an understanding and appreciation of inherent and learned horse behavior, become familiar with some of the methods and techniques used in training horses, and gain competence and confidence in handling and teaching horses basic desirable habits. Lab Fee: 12 (\$300). Prerequisite(s): ADAC 148 and ADAC 248 or permission of instructor. FALL, odd years

**OUTL 335 - Challenge Course Management—3 hours**

This course equips students with the skills required for the management of a challenge course as part of an outdoor education, adventure, or therapy facility. Topics include the construction of ropes course elements, instructional techniques, group debriefing skills, site inspection, safety and rescue, and equipment maintenance. This course meets the industry standards of Project Adventure and The Association of Challenge Course Technology (ACCT). Prerequisite(s): OUTL 221 or permission of instructor. WINTER

**OUTL 345 - Environmental Education (SERV-2)—2 hours**

This course is designed to give students practical experience in the use of the outdoor classroom. Recent trends in methods, materials, strategies, laboratory techniques, assessment, and curriculum standards will be covered. Students gain valuable experience by teaching environmental education at local schools as well as by the planning and implementation of a multi-day outdoor school. An extended off-campus field experience of up to four days may be required. Lab Fee: 6 (\$90). FALL | WINTER

**OUTL 346 - Swift Water/Advanced Swift Water Rescue—2 hours**

This course teaches river professionals and recreational users how to handle swift water emergency situations. Classroom training combined with hands on, in-water scenarios will teach students skills such as swift water safety, self-rescue, shore-based and boat-based rescues, unpinning boats, use of rope systems, and more. Successful completion of this course leads to American Canoe Association (ACA) Swift Water Rescue and Advanced Swift Water Rescue certifications. Participants must be competent swimmers. An extended off-campus field experience of up to four days may be required. Lab Fee: 16 (\$500). Prerequisite(s): PEAC 125; OUTL 136, ADAC 146 or ADAC 161. WINTER

**OUTL 348 - AMGA Single Pitch Instructor Course—2 hours**

The American Mountain Guides Association Single Pitch Instructor (AMGA SPI) Program is a nationally recognized training and certification course consisting of two parts: 1) a SPI Course and 2) a separate SPI Assessment. This program is designed to teach current, active rock climbers to proficiently facilitate and instruct the sport of rock climbing in a single pitch setting. Candidates should have a real desire to teach rock climbing to novices in a single pitch setting, be passionate rock climbers who regularly climb, and have been rock climbing outdoors for at least 12 months. An extended off-campus field experience up to four days is required for this course. Lab Fee: 17 (\$600). Prerequisite(s): OUTL 320 or permission of instructor. WINTER

**OUTL 349 - AMGA Single Pitch Instructor Assessment—1 hour**

The AMGA Single Pitch Instructor (SPI) Assessment is the second part of the AMGA SPI Program. The SPI Assessment is a two-day evaluation of a candidates' readiness to teach rock climbing in a single pitch setting as prescribed in the SPI Course. To qualify for this assessment candidates must have successfully completed the AMGA SPI Course within the previous three years. Upon the successful completion of the SPI Assessment, candidates will receive AMGA Single Pitch Instructor certification. An extended off-campus field experience up to four days is required for this course. Lab Fee: 16 (\$500). Prerequisite(s): OUTL 348. WINTER

**OUTL 353 - Vertical Caving—2 hours**

This course is designed to provide the knowledge and skills needed to participate in and to lead vertical caving activities. Emphasis will be placed on site use and management, specialized vertical caving equipment, descending and ascending single rope techniques, selection of personal equipment, group safety and rescue. Due to the nature of this course, all students will be required to make class field trips to caving sites in the surrounding area. An extended field experience of up to four days may be required. (Alternating years) Lab Fee: 14 (\$350). Prerequisite(s): PEAC 125. Pre- or Co-requisite: Pre- or Co-requisite: ADAC 152 or permission of instructor. FALL | WINTER

**OUTL 354 - Rope Technician I—2 hours**

Beyond a "get-to-know-your-knots" introduction, this is an advanced technical level, rope rigging course that teaches concepts and skills used by high angle search and rescue teams, firefighters, event riggers, and other professionals. Students will learn to apply the principles of mathematics and forces in the construction and operation of anchoring systems, pulley systems, and high lines. Successful completion of this course leads to NFPA 1006 Rope Technician certification. An off-campus field experience of up to four days may be required for this class. Lab Fee: 15 (\$400). Prerequisite(s): OUTL 320 or OUTL 353. FALL

**OUTL 356 - Outdoor Leadership-Field Experience—3 hours**

Field experience in an appropriate outdoor school, park, nature center, camp or other educational setting approved by the instructor. At least one hundred fifty (150) clock hours of work experience are required. Prerequisite(s): OUTL 136. Five (5) hours of Outdoor Leadership. Admission to Outdoor Leadership. FALL | WINTER

**OUTL 391 - Leadership Seminar (W)—1 hour**

This course is designed to practice research, writing, and presentation skills within the context of experiential leadership in the outdoors. Students get to choose the topics of their research and debate around issues related to leadership. Controversial issues are faced squarely by students as they collaborate together to find better ways to lead from a humble, Christ-like approach. Students will be encouraged to present their work at campus research day as well as off-campus venues. This class may involve attending and possibly presenting at least one outdoor oriented conference. Lab Fee: 8 (\$150). Prerequisite(s): OUTL 136 and OUTL 218 or permission of instructor. Junior or senior standing. FALL

**OUTL 425 - Wilderness Interpretation (W)—3 hours**

This course provides the outdoor professional with a unique yet harmonious blending of nature studies and the creative arts. Students will learn to recognize much of our native fauna and flora while developing essential skills necessary for taxonomic identification. Nature studies will center on field-based observations, journaling, photography, and art. Selected writings from well-known conservationists and wilderness preservationists, such as Muir and Leopold, will be studied providing the inspiration and insight for developing interpretative methodology and creative writing skills. An extended 3-day field practicum is required. Prerequisite(s): OUTL 136. FALL | WINTER | SUMMER must be taken in conjunction with OUTL 492.

**OUTL 430 - Adventure Leadership—3 hours**

This hands-on leadership practicum is the capstone course for Outdoor Leadership majors and provides them, as well as other upper division professionals seeking a hands-on application to their leadership development, an opportunity to create, design, and implement a unique outdoor expedition. This experience provides a framework for them to be mentored by the professor and other instructors as they put into practice things like environmental ethics and issues, individual and group dynamics, safety and liability considerations, and working with logistics of group travel. Physical and emotional requirements appropriate to wilderness field experiences, curriculum development, and the administration of adventure activities are also addressed. An extended field trip of one week or more is required for this class. Lab Fee: 19 (\$800). Prerequisite(s): Minimum 12 OUTL credit; OUTL 136, OUTL 318. WINTER, even years

**OUTL 465 - Outdoor Leadership Topics—0-3 hours**

See OUTL 265 for course description. Lab Fee: Variable as needed. FALL | WINTER

**OUTL 492 - Outdoor Leadership Internship—10 hours**

Students work at an outdoor facility in the area of their specialization. This internship is a tailored program of six hundred (600) clock hours of outdoor training experience in an outdoor program approved by the university. The time may be divided between two facilities to allow seasonal programming. Two on-site visits by the program director will be arranged by the student. Evaluation and reports will be required at two hundred (200) hour intervals. Procedures and guidelines are available from the School of Physical Education, Health and Wellness. Note: Senior status as an Outdoor Leadership major required. Prerequisite(s): OUTL 136, OUTL 391. FALL | WINTER | SUMMER

**OUTL 495 - Directed Study—1-3 hours**

See OUTL 295 for course description.

## Physical Education Activity

### PEAC 121 - Walking/Jogging (P-1b)—1 hour

This course is designed to prepare the student for a lifetime of aerobic activity with low intensity but great results. The course will include but not be limited to: equipment, foot care, stride, pace, terrain, hydration, nutrition and supplements, calorie burning and metabolism, volks walks, race walking, logs and motivation. A wide variety of activities will be part of this course. A pedometer will be required. Prerequisite(s): PEAC 125. FALL | WINTER

### PEAC 123 - Volleyball (P-1b)—1 hour

Development of the skills of passing, setting, serving, and spiking necessary in participation in power volleyball. Prerequisite(s): PEAC 125. WINTER

### PEAC 125 - Fitness for Collegiate Life (P-1a)—1 hour

This course provides students with the knowledge and skills necessary for physical fitness and training. Fitness testing is completed to identify a starting point for developing a personalized fitness plan. Students will be taught how to do personal fitness assessments and learn how to train correctly for improving their physical fitness. Weekly activity logs will be completed. This course cannot be taken as a pass/fail course. Lab Fee: 2 (\$15). FALL | WINTER | SUMMER

### PEAC 131 - Badminton (P-1b)—1 hour

Instruction includes strokes, rules, and playing situations plus physical conditioning for badminton. Lab Fee: 3 (\$20). Prerequisite(s): PEAC 125. FALL

### PEAC 133 - Racquetball (P-1b)—1 hour

Focus is given to basic skills, rules, and terminology so that the student can carry on successful play. Each student will need to purchase their own racquet, goggles and racquetballs. Prerequisite(s): PEAC 125. FALL | WINTER

### PEAC 134 - Basic Tennis (P-1b)—1 hour

This course is designed to provide the student with the knowledge and basic skill to play tennis as a lifetime activity. Skill emphasis includes the forehand, backhand, serve, volley, lob, and smash. Each student will need to purchase their own racquet. Prerequisite(s): PEAC 125. FALL | WINTER

### PEAC 136 - Basic Golf (P-1b)—1 hour

A basic course for the beginning golfer. Transportation needed. Lab Fee: 4 (\$30). Prerequisite(s): PEAC 125. FALL | WINTER

### PEAC 137 - Cycling (P-1b)—1 hour

A course for the active cyclist emphasizing various types of cycling, cycling techniques, safe cycling, and maintenance. Each student provides his/her own bicycle and helmet. Lab Fee: 4 (\$30). Prerequisite(s): PEAC 125. FALL | WINTER

### PEAC 140 - Weight Training (P-1b)—1 hour

A course designed for the beginning weightlifter. Instruction is focused on the basic weight training lifts that leads to the students developing their own personal weight training program. Prerequisite(s): PEAC 125. FALL | WINTER

### PEAC 143 - Basic Tumbling (P-1b)—1 hour

Mat tumbling leading to gymnastic free-exercise routines in conjunction with acrosport exposure. Lab Fee: 5 (\$60). Prerequisite(s): PEAC 125. FALL | WINTER

### PEAC 153 - Basic Swimming (P-1b)—1 hour

The basic swimming course is dedicated to developing the safety and swimming skills necessary for maximum enjoyment of the swimming pool environment. The class will feature the development and refinement of the six swimming strokes. It is hoped that students will be able to swim these strokes with ease, efficiency, power, and smoothness over distance. Prerequisite(s): PEAC 125. FALL | WINTER | SUMMER

### PEAC 215 - Group In-Door Cycling (P-1b)—1 hour

A group fitness class that uses stationary bikes to create holistic physical health. Group in-door cycling exercises will be used to increase student aerobic fitness and to motivate students to pursue an active lifestyle. Prerequisite(s): PEAC 125. WINTER

### PEAC 223 - FitX (P-1b)—1 hour

A maximal fitness class that uses motor movements with a time component to create the most efficient, explosive and dynamic use of the body to advance physical fitness. Rope climbs, Kettlebells and other equipment, and body weight exercises will be used to prepare students for a high level of physical fitness. Circuit training will also be included. Prerequisite(s): PEAC 125. FALL | WINTER

### PEAC 225 - Fitness for Life (P-1a)—1 hour

This course includes a study of the basic areas of physical fitness and training, in conjunction with a personalized long-range conditioning program for optimal well-being. Principles of wellness are presented including assessments for nutrition, stress, and multiple areas of physical fitness. Available for Nursing Consortium students only. Lab Fee: 4 (\$30). Summer, alternate years

### PEAC 230 - Women's Fitness (P-1b)—1 hour

This course is designed specifically to meet the health and fitness needs of women. Image, self-concept, and societal perceptions will be addressed. Basic assessments will be completed to develop a personalized fitness plan. Group activities will be conducted for motivation and instruction. Prerequisite(s): PEAC 125. WINTER



**PEAC 231 - Aerobics (P-1b)—1 hour**

An aerobic conditioning course that promotes enjoyment of aerobic fitness activities through a variety of means including: low/high impact, floor and kick boxing aerobics. Prerequisite(s): PEAC 125. FALL | WINTER | SUMMER

**PEAC 232 - Aerobic Fitness (P-1b)—1 hour**

This course covers the basic components of aerobic fitness. The Rockport One-Mile Walk Test will be completed to develop a personalized action plan. Students will journal on-line about aerobic fitness topics and write reflective responses to the implementation of their action plan. The FitLinxx ActiPed/ActiLink system will be used to quantify daily activity. A minimum of 100 minutes per week is required. (This is an online course offered for off-campus B.S. nursing students only.) Lab Fee: 6 (\$90). Prerequisite(s): PEAC 125. FALL | WINTER | SUMMER

**PEAC 235 - Personal Conditioning (P-1b)—1 hour**

This course meets a wide variety of personal conditioning needs. The course is designed to help an individual assess, learn about and practice conditioning techniques for cardiovascular health, muscular strength and endurance, biomechanical flexibility and range of motion, and body composition. Prerequisite(s): PEAC 125. FALL | WINTER

**PEAC 241 - Triathlon (P-1b)—1 hour**

An activity course that will promote participation in and appreciation of multisport activities as a lifelong pursuit. This course will include but not be limited to: training, equipment, clothing, nutrition, safety, basic to advanced skills, and event selection. Participation in a culminating official triathlon event (sprint or Olympic distance) is required for a passing grade. Lab Fee: 9 (\$180). Prerequisite(s): PEAC 125. WINTER

**PEAC 243 - Gymnastics Team (Gym-Masters) (P-1b)—1 hour**

A "variety show" team which emphasizes acrosport, sports acrobatics, gymnastics, physical fitness and health. Admission will be based on satisfactory performance of try-out requirements. Participation in all tours is required. Due to program conflicts, second semester Gym-Masters will not enroll in classes that meet after 12:00 noon on Friday. This course may be repeated for credit. Prerequisite(s): PEAC 125. FALL | WINTER

**PEAC 247 - Active Brain (P-1b)—1 hour**

This class will combine physical activity and mental challenges in the quest to improve emotional intelligence. A pre- and post-test of physical fitness and emotional intelligence will be conducted. Students are expected to record weekly physical activity participation. Lab Fee: 3 (\$20). Prerequisite(s): PEAC 125. Winter, even years | Summer

**PEAC 254 - Lifeguarding (P-1b)—1 hour**

Students will earn the American Red Cross Lifeguarding certification, First Aid and CPR/AED certification. The purpose of this course is to provide entry-level lifeguard candidates with the skills and knowledge to prevent, recognize, and respond to emergencies and to provide care for injuries and sudden illnesses until advanced medical personnel arrive and take over. Lab Fee: 4 (\$30). This course is cross-listed with RECR 254. A student may receive credit for this course from only one program. Prerequisite(s): PEAC 125. 500 yards continuous swim. FALL | WINTER

**PEAC 257 - Pilates (P-1b)—1 hour**

The foundation of movement is "holding yourself upright." That is what CORE muscles do. Far too often today's lifestyle promotes poor posture and misalignment that can be corrected with strengthening CORE MUSCLES. Prerequisite(s): PEAC 125. FALL | WINTER | SUMMER

**PEAC 261 - Introduction to Recreation (P-1b)—1 hour**

A course designed to promote outdoor recreation and provide experience for those interested in preparing for different phases of camp life, outdoor living and activities. Prerequisite(s): PEAC 125. WINTER

**PEAC 265 - Topics in Physical Activity—1-3 hours**

Topics selected from areas of physical activity not covered in other courses. This course may be repeated for credit. Prerequisite(s): PEAC 125. FALL | WINTER

**PEAC 325 - Physical Activity in Elementary Schools (P-1b)—1 hour**

This course will provide elementary education majors with the knowledge and skill needed to use the NAD elementary school physical education curriculum. Students will participate in physical activity, cooperative learning activities, and teach physical activity to elementary age children. This activity course is specifically designed for elementary education majors, although others are encouraged to take the course as well. Prerequisite(s): PEAC 125. FALL

**PEAC 425 - Fit for Hire (P-1c)—1 hour**

This capstone course is designed to prepare students as they commit to and prepare for a life of balance, wholeness, and personal responsibility for their own wellbeing. This course guides students as they reflect on their past fitness plan experiences while developing lifetime fitness goals. Fitness testing is completed to identify current fitness levels. Students will implement their personalized fitness plan and create a post-college fitness plan. Wellness principles will be discussed as they relate to physical fitness and overall health. Prerequisite(s): PEAC 125 and completion of 2 additional activity courses. Senior class standing only. FALL | WINTER | SUMMER

**Physical Education Theory****PETH 114 - ProAct - Softball—1 hour**

Development of professional skills including performance and teaching techniques for softball. For Physical Education and Sports Studies majors and minors only. Lab Fee: 2 (\$15). FALL, odd years

**PETH 116 - ProAct - Volleyball—1 hour**

Development of professional skills including performance and teaching techniques for volleyball. For Physical Education and Sports Studies majors and minors only. WINTER, even years

**PETH 117 - ProAct - Basketball—1 hour**

Development of professional skills including performance and teaching techniques for basketball. For Physical Education and Sports Studies majors and minors only. Lab Fee: 2 (\$15). WINTER, even year

**PETH 119 - ProAct - Soccer—1 hour**

Development of professional skills including performance and teaching techniques for soccer. For Physical Education and Sports Studies majors and minors only. WINTER, odd years

**PETH 210 - Group Fitness Instructor—2 hours**

A course that will prepare a student to take the certification exam for Aerobic Instructors. A certified Instructor will teach this course that will deal with the theory and practice of a variety of aerobic styles. Safety and correct methods will be emphasized. Lab Fee: 10 (\$210). This course is cross-listed with RECR 210. A student may receive credit for this course from only one program. WINTER

**PETH 214 - ProAct - Tennis—1 hour**

Development of professional skills including performance and teaching techniques for tennis. For Physical Education and Sports Studies majors and minors only. Lab Fee: 2 (\$15). FALL, even years

**PETH 216 - ProAct - Fitness for Life—1 hour**

Development of professional skills including performance and teaching techniques for conditioning. For Physical Education and Sports Studies majors and minors only. Lab Fee: 2 (\$15). WINTER, odd years

**PETH 217 - ProAct - Badminton—1 hour**

Development of professional skills including performance and teaching techniques for badminton. For Physical Education and Sports Studies majors and minors only. FALL, even years

**PETH 219 - ProAct - Gymnastics—1 hour**

Development of professional skills including performance and teaching techniques for gymnastics. For Physical Education and Sports Studies majors and minors only. FALL, odd years

**PETH 240 - Coaching for Success—2 hours**

A study and discussion into sports team organization, recruiting, picking teams, training, game preparation, travel budget, crowd control, facilities management, fund raising, game safety and control, and coaches decorum. Special emphasis will include keeping the game in a “Christian perspective” and establishing a personal coaching philosophy. WINTER, even years

**PETH 255 - Water Safety Instructor—1 hour**

Students will earn the American Red Cross Water Safety Instructor certification. The purpose of the American Red Cross Water Safety Instructor course is to train instructor candidates to teach courses and presentations in the American Red Cross Swimming and Water Safety program by developing their understanding of how to use the course materials, how to conduct training sessions and how to evaluate participants' progress. Lab Fee: 4 (\$ 30). Prerequisite(s): PEAC 254 or equivalent. Must meet stroke performance standards for American Red Cross Swim Level 5. WINTER

**PETH 265 - Topics in Theory—1-3 hours**

Topics selected from areas of physical education theory not covered in other courses. This course may be repeated for credit. FALL | WINTER

**PETH 270 - Certified Pool Operator—1 hour**

The Certified Pool Operator course is designed to provide the student with the knowledge necessary to operate and maintain a swimming pool to standards as set forth by the National Swimming Pool Foundation and the Center for Disease Control. The course will familiarize the student with guidelines for proper maintenance of water quality, pertinent legislation, regulations, codes-of-practice, standards of design and operations of an aquatic facility. Lab Fee: 12 (\$300). WINTER

**PETH 295 - Directed Study—1-3 hours**

The Directed Study provides the student the opportunity to pursue knowledge in an area of interest related to health, physical education, recreation or physical activity. Approval by School Dean required.

**PETH 314 - Biomechanics—3 hours**

A study of the anatomical and mechanical variables influencing human motion for efficient, safe, and effective movement. Specific topics include force, torque, center of mass, linear and mechanical characteristics of muscles and bones. Video analysis software is utilized for practical application of concepts. Lab Fee: 5 (\$60). Prerequisite(s): BIOL 101 - BIOL 102 with a grade of C- or better. FALL

**PETH 315 - Physiology of Exercise (W)—4 hours**

Emphasizing the physiological effects of muscular exercise, aerobics, and physical conditioning. Significance of these effects for health, skilled performance, and prevention of disease. Research required. Lab Fee: 6 (\$90). Prerequisite(s): BIOL 101 - BIOL 102 with a grade of C- or better. WINTER



**PETH 326 - Personal Trainer—3 hours**

This course is designed to prepare a student to pass a national exam to become a Certified Personal Trainer. This course requires twenty (20) hours of observation/practical experience outside of class. Lab Fee: 11 (\$240). This course is cross-listed with RECR 326. A student may receive credit for this course from only one program. FALL | WINTER

**PETH 354 - Lifeguard Instructor—1 hour**

The class will prepare a lifeguard to advance in the aquatic profession to lifeguard instructor. Prerequisite(s): PEAC 254 or RECR 254. WINTER

**PETH 363 - Tests and Measurements in Health and Physical Education—3 hours**

A survey of tests used in Physical Education and an introduction to statistical procedures for analyzing data and how it may be applied to research. Test Construction and historical perspectives of physical education are dealt with. FALL

**PETH 364 - Principles and Administration of Health, Physical Education and Recreation (W) (SERV-2)—3 hours**

This course is an integrated study of the principles and administrative concepts of health, physical education and recreation. Emphasis is placed on the management and administrative skills needed for physical education and corporate and community wellness majors. WINTER

**PETH 375 - Motor Learning and Development—3 hours**

A course of study designed to examine motor development and motor behavior as it relates to an individual maturation process, with emphasis placed on implications for the physical educator. Laboratory experiences are conducted to advance student comprehension of motor learning concepts. WINTER

**PETH 437 - Adaptive Physical Education—2 hours**

A course designed to develop an understanding of neurodevelopment and functional ability, of impairments and their implications for motor performance. Emphasis on teaching progressions and exercise programs for special populations. FALL

**PETH 441 - Secondary Physical Education Methods—2 hours**

The class is designed to provide instruction to pre-service teachers as to the different styles of teaching secondary physical education. Other topics include teacher effectiveness, systematic observation analysis, standards based curriculum planning, and authentic assessment. The class includes observation and practice teaching at local schools Prerequisite(s): Admission to Teacher Education. WINTER

**PETH 463 - Elementary School Physical Education Methods—2 hours**

This course is designed to introduce the prospective elementary school classroom teacher and physical education teacher to the goals, content, teaching methods, and planning of elementary physical education. The course focuses on assisting the student in learning and practicing pedagogical skills and principles as they apply to a wide variety of physical activities. FALL | SUMMER, odd years

**PETH 465 - Topics in Theory—1-3 hours**

Topics selected from areas of physical education theory not covered in other courses. This course may be repeated for credit. FALL | WINTER

**PETH 474 - Psychology and Sociology of Sports (W)—2 hours**

An exploration of sports and their evolving impact on American culture. Special attention is given to current issues in sports as they relate to the individual in society. FALL

**PETH 495 - Directed Study (W)—1-3 hours**

See PETH 295 for course description.

**PETH 497 - Intro to Applied Exercise Science Research—1-2 hours**

Pre-professional course that introduces the research process and provides applied research experience with an emphasis on metabolism and cardio-respiratory function in health individuals. Includes a working knowledge of research design, research methods, and basic statistics, plus, application of the research process while assisting faculty with ongoing research in a professionally supervised practicum experience. Prerequisite(s): ENGL 102; BIOL 101, BIOL 102. FALL | WINTER

**Photography****PHTO 125 - Introduction to Photography—3 hours**

A hybrid course in both film and digital photography. Instruction in the use of cameras; exposure, photo composition, darkroom techniques involving film development, negative enlargement, and paper/digital printing. Students may supply their own 35 mm cameras with adjustable f-stops and shutter speeds or rent a camera from the School. Two hours of lecture, three hours of laboratory each week. Two hours of lecture, three hours of laboratory each week. Lab Fee: 11 (\$240). FALL | WINTER

**PHTO 265 - Topics in Photography—1-3 hours**

Selected topics in photography and related areas presented in a classroom setting. This course may be repeated for credit. FALL | WINTER

**PHTO 275 - Applied Photojournalism—1 hour**

During one semester or summer, the student will work as a staff photographer for the Southern Accent or part-time at another weekly or daily newspaper. Student will gain a wide variety of experience shooting news, sports, and feature assignments under deadline pressure. Lab Fee: 6 (\$90). Prerequisite(s): Consent of instructor. FALL | WINTER

**PHTO 291 - Practicum—1-3 hours**

Supervised work experience in photography. At least 90 clock hours of work experience are required for each semester hour of credit. Procedures and guidelines are available from the School. Retroactive credit is not available. Prerequisite(s): Consent of faculty. FALL | WINTER

**PHTO 295 - Directed Study—1-3 hours**

This course is for students who want to do independent research and/or photography. Directed study topics will be selected with guidance from the instructor who will serve as a consultant to the student in carrying out the project. This course may be repeated for credit.

**PHTO 315 - Photojournalism—3 hours**

Advanced digital photography with emphasis on photojournalism and documentary photography. The major focus will be on producing photo essays and photo collections for exhibit. The course will focus on digital techniques—including post production using Lightroom and Photoshop. The final project includes a portfolio of images. Limited supply of digital cameras are available for a \$130 rental fee. Lab Fee: 11 (\$240). Prerequisite(s): BRDC 127 or PHTO 125 or consent of instructor. WINTER

**PHTO 320 - Digital Photography—3 hours**

Students will learn image-capture processing and outputting of digitized photographic images utilizing Adobe Photoshop and Lightroom. Emphasis is on studio, wedding, and event photography. Topics include environmental and group portraits, illustrative techniques, industrial and commercial photography. Students supply their own digital SLR cameras. A limited supply of digital SLRs are available for \$100 rental fee. Lab Fee: 12 (\$300). FALL

**PHTO 391 - Practicum—1-3 hours**

See PHTO 291 for course description. Prerequisite(s): Consent of instructor before arranging for practicum. FALL | WINTER | SUMMER

**PHTO 447 - Senior Portfolio—1 hour**

Preparation and presentation of a print and online portfolio as required by most employers and graduate schools. The student will assemble 20 to 30 images, including a photo essay appropriate to his or her professional, educational or personal goals. Student will present the portfolio to an evaluation team consisting of faculty and at least one media professional. Lab Fee: 7 (\$120). Prerequisite(s): Senior standing. FALL | WINTER

**PHTO 465 - Topics in Photography—1-3 hours**

See PHTO 265 for course description. FALL | WINTER

**PHTO 492 - Photography Internship—3 hours**

Students gain field experience in photography in a setting such as a newspaper or other publication, a studio, or other professional environment. This would occur preferably during an 8 to 12 week period the summer between the junior and senior year when no other college course is taken. At least 300 clock hours of work experience are required. Procedures and guidelines are available from the School. Retroactive credit is not available. Prerequisite(s): Completion of at least half the requirements for a major or minor in photography and School approval. FALL | WINTER | SUMMER

**PHTO 495 - Directed Study—1-3 hours**

See PHTO 295 for course description.

**Physics****PHYS 137 - Conceptual Physics (IN-7)—3 hours**

Introduction to the methods and principles of physics, focusing on a conceptual understanding and real-world applications. This is a lecture class with integrated lab activities and interactive demonstrations. Does not apply toward a major or minor in physics. Satisfies the requirements for some Allied Health fields at some schools.

**PHYS 155 - Descriptive Astronomy: Creation and Cosmology (IN-7)—3 hours**

An introduction to constellations, galaxies, nebulae, and the structure and space-time behavior of the universe. Nighttime observations are compared with theoretical models of apparent and heliocentric planetary and stellar motion. Applied topics may include the use of instruments to determine time, telescopes used to detect radiations (cosmic rays to radio waves) from stars, nebulae, and galaxies, and information about these objects obtainable from continuous and line spectra. A Scriptural perspective, including allusions in religious tradition, is compared with a naturalistic perspective. Three hours lecture each week, with optional opportunities for an observation period. FALL

**PHYS 211 - General Physics I (IN-7)—3 hours**

The algebraic and trigonometric treatment of mechanics, heat, and sound. Applies toward the basic science requirement as a non-laboratory science if taken alone and as a laboratory science if taken with PHYS 213. Prerequisite(s): MATH 120 and MATH 121 or MATH 191 or a minimum ACT MATH subscore of 24, a SAT MATH subscore of 600 or RSAT MATH subscore of 620. FALL | SUMMER, even years

**PHYS 212 - General Physics II—3 hours**

The algebraic and trigonometric treatment of light, electricity and magnetism, and “modern physics.” Applies toward the basic science requirement as a non-laboratory science if taken alone and as a laboratory science if taken with PHYS 214. Prerequisite(s): PHYS 211. WINTER | SUMMER, even years

**PHYS 213 - General Physics Laboratory I (IN-7)—1 hour**

Laboratory experience, coordinated with PHYS 211, is designed to develop conceptual understanding, experimental and analytical skills, and an understanding of the empirical basis of knowledge in physics. Beyond illustrating material in lecture, lab activities will help students learn to form quantitative conclusions from data as part of a systematic development of scientific curiosity, caution, and method. Pre- or Co-requisite: PHYS 211 or PHYS 221. FALL | SUMMER, even years

**PHYS 214 - General Physics Laboratory II—1 hour**

Laboratory experience, coordinated with PHYS 212, is designed to develop conceptual understanding, experimental and analytical skills, and an understanding of the empirical basis of knowledge in physics. Beyond illustrating material in lecture, lab activities will help students learn to form quantitative conclusions from data as part of a systematic development of scientific curiosity, caution, and method. Lab Fee: 1 (\$10). Prerequisite(s): PHYS 213 or PHYS 223. Pre- or Co-requisite: PHYS 212. WINTER | SUMMER, even years

**PHYS 215 - General Physics Calculus Applications—1 hour**

Derivations and problems in General Physics using differential and integral calculus will be studied. Students completing PHYS 211 - PHYS 212 and PHYS 215, PHYS 216 will have taken the equivalent of General Physics with calculus. Two class periods per week. Prerequisite(s): MATH 191; previous or concurrent enrollment in PHYS 211 - PHYS 212. FALL | WINTER

**PHYS 216 - General Physics Calculus Applications—1 hour**

Derivations and problems in General Physics using differential and integral calculus will be studied. Students completing PHYS 211 - PHYS 212 and PHYS 215, PHYS 216 will have taken the equivalent of General Physics with calculus. Two class periods per week. Prerequisite(s): MATH 191; previous or concurrent enrollment in PHYS 211 - PHYS 212. FALL | WINTER

**PHYS 221 - University Physics I (IN-7)—4 hours**

The calculus-based treatment of mechanics, heat, and sound. Applies toward the basic science requirement as a non-laboratory science if taken alone and as a laboratory science if taken with PHYS 223. Pre- or Co-requisite: MATH 191. FALL

**PHYS 222 - University Physics II—4 hours**

The calculus-based treatment of light, electricity and magnetism, and “modern physics.” Applies toward the basic science requirement as a non-laboratory science if taken alone and as a laboratory science if taken with PHYS 224. Prerequisite(s): PHYS 221. Pre- or Co-requisite: MATH 192. WINTER

**PHYS 223 - University Physics Laboratory I (IN-7)—1 hour**

Laboratory experience, coordinated with PHYS 221, is designed to develop conceptual understanding, experimental and analytical skills, and an understanding of the empirical basis of knowledge in physics. Beyond illustrating material in lecture, lab activities will help students learn to form quantitative conclusions from data as part of a systematic development of scientific curiosity, caution, and method. Data analysis may require the use of calculus concepts. Pre- or Co-requisite: PHYS 221. FALL

**PHYS 224 - University Physics Laboratory II—1 hour**

Laboratory experience, coordinated with PHYS 222, is designed to develop conceptual understanding, experimental and analytical skills, and an understanding of the empirical basis of knowledge in physics. Beyond illustrating material in lecture, lab activities will help students learn to form quantitative conclusions from data as part of a systematic development of scientific curiosity, caution, and method. Data analysis may require the use of calculus concepts. Lab Fee: 1 (\$10). Prerequisite(s): PHYS 223 or PHYS 213. Pre- or Co-requisite: PHYS 222. WINTER

**PHYS 255 - Tutoring Physics (SERV-2)—1 hour**

In this course, students will gain knowledge of current research that provides information about learning and learning styles. They will learn and demonstrate good pedagogical tools that promote learning in Physics. They will be trained with effective one-on-one teaching methodologies such as Socratic dialogue, concept modeling and scaffolding. They will also be instructed in methods that will help identify common physical misconceptions that cause the learner difficulty with physics. Active tutoring, totaling 15 hours during the semester, will allow the tutors to use the identification tools and instructional methods mastered so that they can become adept at working with all types of learners and subject materials. Prerequisite(s): Must be a Physics or Engineering major; Successful completion of PHYS 222-PHYS 224. WINTER

**PHYS 265 - Topics in Physics—1-3 hours**

Selected topics presented in a formal classroom setting in specialty areas of physics not covered in regular courses. May be repeated for credit for different topics. FALL | WINTER

**PHYS 295 - Directed Study—1-3 hours**

This course consists of individual or group work adjusted to meet particular needs in Physics. Approval must be secured from the instructor prior to registration. This course may be repeated for credit. Prerequisite(s): Consent of instructor.

**PHYS 297 - Undergraduate Research in Physics—1-2 hours**

Research under direction of a member of the staff. The topic will be assigned in accordance to the interests and capabilities of the student. It is assumed that the student is familiar with one or more spreadsheets, mathematics manipulation programs, and graphing software packages. May be repeated for up to four hours. Prerequisite(s): Permission of instructor. FALL | WINTER | SUMMER

**PHYS 305 - Biophysics—3 hours**

Physics principles will be used to address a variety of problems that arise in biological systems. Topics may include Brownian motion and diffusion, fluids, self-assembly, molecular machines, membranes and nerve impulses. Prerequisite(s): PHYS 221 - PHYS 222; MATH 191; High school biology and chemistry. WINTER, even years

**PHYS 310 - Modern Physics—3 hours**

The study of landmark experiments which challenged classical physics and the development of modern physics theories: special relativity, atomic theory, quantum theory, statistical mechanics, nuclear and particle physics. Laboratory experience is available in PHYS 325. Three hours lecture each week. Prerequisite(s): PHYS 221 - PHYS 222; MATH 192. FALL

**PHYS 313 - Physical Optics—3 hours**

Refraction, reflection, interference, absorption, and polarization of light are discussed from the standpoint of the ray and especially of the wave theories of light. Laboratory experience is available in PHYS 325. Prerequisite(s): PHYS 221-PHYS 222; MATH 192. FALL, odd years

**PHYS 316 - Mathematics of Physics—3 hours**

See MATH 316 for course description. This course is cross-listed with MATH 316, Math Department. A student may receive credit for this course from only one program. Prerequisite(s): PHYS 310; MATH 315. FALL, even years

**PHYS 317 - Issues in Physical Science and Religion—3 hours**

Scientific method, truth, reality, logic and derivability, authority/inspiration, faith and reason in mathematics and physical sciences. Non-logical factors in acceptance of scientific statements as authoritative. Arguments for the existence of God. Causality, determinism and miracles. Scientific revolutions and paradigm shifts with relation to trends in religion and philosophy. Does not apply to a major in or minor in Physics. This course is cross-listed with PHYS 320, RELT 317, and RELT 320. A student may receive credit for this course from only one program. Prerequisite(s): One year of high school physics or chemistry or one semester of college physics or chemistry; junior standing. WINTER

**PHYS 320 - Issues in Physical Science and Religion (W)—3 hours**

See PHYS 317 for course description. This course is cross-listed with PHYS 317, RELT 317, and RELT 320. A student may receive credit for this course from only one program. WINTER

**PHYS 325 - Advanced Physics Laboratory I—1 hour**

Laboratory experiments pertinent to areas of physics except electricity and magnetism. Meets once per week. Prerequisite(s): PHYS 223 - PHYS 224, PHYS 310. WINTER, odd years

**PHYS 326 - Advanced Physics Laboratory II—1 hour**

Laboratory experiments pertinent to electricity and magnetism. Meets once a week. Prerequisite(s): PHYS 223 - PHYS 224, PHYS 310. FALL, odd years

**PHYS 400 - Physics Portfolio—1 hour**

Each student majoring in Physics may compile a portfolio spanning a minimum of four semesters (typically starting in the sophomore year) consisting of records of participation in professional activities as suggested by departmental faculty and as initiated by the student. Examples of activities include but are not limited to the following: attendance at club meetings, professional film showings, visiting-scientist seminar, and research review sessions, reading of journals and books, participation at professional meetings, preparation for graduate school and for employment, and lists of concepts or new ideas. The portfolio is reviewed at the end of each semester and must meet minimum criteria before the student's registration for this course during the senior year. The grade earned for this credit will depend upon the persistence of the student in participation during his/her stay at Southern Adventist University and during summers, and upon the breadth and depth of the entries, and the extent to which the Department's suggestions are implemented. FALL | WINTER

**PHYS 411 - Statistical and Thermal Physics—3 hours**

A study of the emergence of macroscopic thermodynamic concepts and processes from microscopic physical interactions using the tools of statistical physics. Includes thermodynamics, kinetic theory of gases, and statistical mechanics (quantum and classical). Three hours of lecture each week. Prerequisite(s): PHYS 310; MATH 192. WINTER, odd years

**PHYS 412 - Quantum Mechanics—3 hours**

The probabilistic interpretation of eigenfunctions and eigenvalues of the Schrödinger equation, the uncertainty principle, wave packets, the solution of the time-independent Schrödinger equation for one-dimensional potentials and for the hydrogen atom. Operator methods, matrices, angular momentum and spin. Prerequisite(s): PHYS 310; MATH 315. WINTER, even years

**PHYS 413 - Analytic Mechanics—3 hours**

Classical kinematics and dynamics of single particles, systems of particles, and rigid bodies treated using vector calculus and differential equations. Includes oscillations, central forces, non-inertial reference frames, coupled oscillations, and an introduction to the Lagrangian and Hamiltonian formulations. Special functions, vector theorems, transforms, tensors and computational methods are introduced as needed. Prerequisite(s): PHYS 310; MATH 218, MATH 315 (MATH 316, MATH 317 desirable). WINTER, odd years

**PHYS 414 - Electrodynamics I—3 hours**

Analysis of electrostatic and magnetostatic fields and potentials, both in vacuum and matter, leading to an understanding of Maxwell's equations. Differential equations associated with common electrostatic and magnetostatic situations and various methods of solution introduced. Prerequisite(s): PHYS 310; MATH 218, MATH 315; (MATH 316, MATH 317 desirable). WINTER, even years

**PHYS 415 - Electrodynamics II—3 hours**

The treatment of electrostatic and magnetostatic fields is extended to the full classical electrodynamic theory as summarized in Maxwell's equations, and the consequent prediction of electromagnetic waves. Relativistic and tensor formulations are introduced. Prerequisite(s): PHYS 414; (MATH 316, MATH 317 desirable). FALL, even years

**PHYS 418 - Advanced Quantum Mechanics I—3 hours**

Builds on the foundation developed in PHYS 412. Time-independent perturbation theory; corrections to the hydrogen-atom treatment; Scattering theory; quantum statistics; variation techniques for small atoms and molecules, other atoms and the periodic table; emission and absorption of radiation from atoms. Prerequisite(s): PHYS 412; (MATH 316, MATH 317, MATH 318 desirable) FALL, even years

**PHYS 465 - Topics in Physics—1-3 hours**

See PHYS 265 for course description. FALL | WINTER

**PHYS 480 - Scientific Writing and Presentation (W)—1 hour**

An introduction to effective practices in planning, writing, and revising scientific communications. Practical skills in using state-of-the-art tools to prepare publication-ready scientific figures and articles. Students will produce both a scientific article and an oral presentation. Before enrolling in this course, students will have done some original scientific research. PHYS 295/PHYS 495 and PHYS 297/PHYS 497 exist to fulfill this requirement and students should also plan to take advantage of paid research opportunities at other universities and national laboratories during the summer before the senior year. Prerequisite(s): PHYS 295/PHYS 495 or PHYS 297/PHYS 497 or instructor approval. WINTER

**PHYS 495 - Directed Study—1-3 hours**

See PHYS 295 for course description. Prerequisite(s): Consent of instructor.

**PHYS 497 - Undergraduate Research in Physics—1-2 hours**

See PHYS 297 for course description. Prerequisite(s): Permission of instructor. FALL | WINTER | SUMMER

**Political Science****PLSC 103 - Trial Advocacy Basics—1 hour**

See BUAD 103 for course description. Pass/Fail. This course is cross-listed with BUAD 103. A student may receive credit for this course from only one program.

**PLSC 224 - Principles of Macroeconomics—3 hours**

See ECON 224 for course description. This course is cross-listed with ECON 224, School of Business. A student may receive credit for this course from only one program.

**PLSC 254 - American National and State Government—3 hours**

An examination of the operation of the executive, legislative, and judicial branches of government of the national, state, and local levels.

**PLSC 260 - Comparative Politics—3 hours**

This course will be an introduction to comparative politics around the world. Some of those countries to be studied have been and are expected to remain semi-permanent fixtures in the political discussion; China, Mexico, the United Kingdom, Japan, South Africa, India, Iran, and Russia, for example. Others will be selected based on events at the time the course is taught. The Arab Spring, for example, will have been discussed. Elements of domestic politics that will be included will be political and democratic reform, voting rights, civil rights and liberties, party politics, and minority politics. Obviously all aspects cannot be considered over the course of one semester, therefore, issues that are relevant to the students when the course is taught will be incorporated into the syllabus. Because it is impossible to dig deep into several of these political systems in only one semester, by the end of the course students should have a basic understanding of the domestic politics of democratic process and authoritarian power around the world, and how politics, culture, religion, and the economy all play a part in shaping this process.

**PLSC 265 - Topics in Political Science—1-3 hours**

Selected topics in political science presented in classroom setting. This course may be repeated for credit.

**PLSC 291 - Political Science Practicum—0-3 hours**

Supervised work experience in a state legislative, congressional, or other governmental office. A minimum of 50 clock hours for each hour of credit is required. Prerequisite(s): Permission of Instructor.

**PLSC 295 - Directed Study—1-3 hours**

A course emphasizing individual directed study. The instructor to whom a student is assigned will determine whether credit is upper or lower division. This course also includes credit offered by the History Department on directed study tours. Writing emphasis credit for PLSC 495 only. Approval of the department is required prior to registration.

**PLSC 310 - Moot Court—1 hour**

Students conduct research of legal controversies, prepare briefs, and argue cases before a mock judicial panel as part of the Tennessee Intercollegiate Legislative Society AMC3 Experience. Pass/Fail. May be repeated for up to four hours of credit. Lab Fee: 10 (\$210).

**PLSC 320 - Tennessee Intercollegiate State Legislature—1 hour**

Students work through content and activities on legislative procedures designed to prepare them to participate in the annual Tennessee Intercollegiate State Legislature (TISL). Pass/Fail. May be repeated for up to four hours of credit. Lab Fee: 10 (\$210).

**PLSC 330 - Introduction to United States Constitutional Law—3 hours**

An introduction to the law of the United States Constitution, including the evolution of constitutional principles, methods of constitutional interpretation and analysis, and basic doctrines concerning the structure of government and the protection of individual rights.

**PLSC 345 - Middle Eastern Politics and History (W)—3 hours**

See HIST 345 for course description. This course is cross-listed with HIST 345. A student may receive credit for this course from only one program.

**PLSC 353 - From Colony to Nation (W)—3 hours**

A study of the colonial phase of American history with particular emphasis on the political texts of the age.

**PLSC 356 - Race, Ethnicity, and Immigration in American History (W)—3 hours**

See HIST 356 for course description. This course is cross-listed with HIST 356. A student may receive credit for this course from only one program.

**PLSC 357 - Modern America (W)—3 hours**

A study of Twentieth-century political developments in the United States, focusing especially on the presidency, Supreme Court, and foreign affairs.

**PLSC 372 - Modern China—3 hours**

See HIST 372 for course description. This course is cross-listed with HIST 372. A student may receive credit for this course from only one program.

**PLSC 379 - American Foreign Policy—3 hours**

See HIST 379 for course description. This course is cross-listed with HIST 379. A student may receive credit for this course from only one program.

**PLSC 388 - Contemporary Europe (W)—3 hours**

See HIST 388 for course description. This course is cross-listed with HIST 388. A student may receive credit for this course from only one program.

**PLSC 450 - Legal Writing and Research—3 hours**

Students will learn the basic skills necessary for using legal resources using online digital research tools, commonly used in the practice of law. Students will also learn the basic Bluebook citation method. Students will learn the process of legal analysis, incorporating the results of their legal research into case briefs, appellate briefs and legal memoranda. The course presents the student with techniques for effective writing in the legal memoranda. The course presents the student with techniques for effective writing in the legal environment. The student will be required to argue their appellate brief before a local attorney as part of this class.

**PLSC 465 - Topics in Political Science—3 hours**

See HIST 465 for course description.

**PLSC 471 - Western Political Thought through the Renaissance (W)—3 hours**

See HIST 471 for course description. This course is cross-listed with HIST 471. A student may receive credit for this course from only one program.

**PLSC 472 - Western Political Thought since the Renaissance (W)—3 hours**

See HIST 472 for course description. This course is cross-listed with HIST 472. A student may receive credit for this course from only one program.

**PLSC 490 - Oral Exam—1 hour**

Independent study and reading in preparation for the one-hour oral exam taken the third week of the fall semester in the senior year. Students will read the assigned books, compose a departmental resume, and develop answers to thematic questions and political definitions in order to discuss them with faculty.

**PLSC 491 - Political Science Practicum—0-3 hours**

See PLSC 291 for course description. Prerequisite(s): Permission of Instructor.

**PLSC 495 - Directed Study (W)—1-3 hours**

See PLSC 295 for course description

**PLSC 498 - Senior Capstone—(0-1 hours)**

This class meets bi-weekly during the fall semester of the senior year. It includes the senior retreat, a professional conference, attendance at career fairs and mentoring regarding getting jobs, going to graduate school, and spiritual discipleship for emerging adults.

**Public Relations****PREL 235 - Public Relations Principles and Theory—3 hours**

Basic public relations principles, philosophy, and theory as they relate to the historical development and contemporary practice of public relations; analysis of the role of public relations in business, industry, and nonprofit organizations, and of the functions and responsibilities of the public relations practitioner. WINTER

**PREL 246 - Fundamentals of Advertising—3 hours**

This course is designed to give the student a thorough overview of the business of advertising. Principal topics considered include advertising theories, the relationship between marketing and advertising, Integrated Marketing Communication, media planning, and advertising research. The course also includes an introduction to creative direction, copywriting, advertising research, and the process of planning and preparing advertisements. FALL

**PREL 265 - Topics in Public Relations—1-3 hours**

Selected topics in public relations and related areas presented in a classroom setting. This course may be repeated for credit. FALL | WINTER

**PREL 291 - Practicum—1-3 hours**

Supervised work experience in public relations, advertising, or sales. At least 90 clock hours of work experience are required for each semester hour of credit. Procedures and guidelines are available from the school. Retroactive credit is not available. Prerequisite(s): Consent of instructor before arranging for practicum. FALL | WINTER | SUMMER

**PREL 295 - Directed Study—1-4 hours**

For students who want to do independent research and writing in a specialized area of public relations, advertising or marketing. Directed study topics will be selected with guidance from the instructor who will serve as a consultant to the student in carrying out the project.

**PREL 310 - Social Media Strategies—3 hours**

This class examines the strategic use of digital and social media platforms and tools for professional purposes with an emphasis on hands-on experience and skills. Students will plan, execute, and evaluate social media campaigns. Special focus will be given to the measures, mechanisms, and necessary considerations for evaluating outcomes and communication effectiveness. Students will discover content management strategies and learn how to gather and analyze data and present results and recommendation in multiple ways including written, oral, visual, and digital. Drawing on theoretical and cultural perspectives, the course will also examine the pervasive impact social media is having on the relationship between individuals, organizations, and society. Prerequisite(s): JOUR 105 or permission of instructor. FALL

**PREL 355 - Advertising Copywriting—3 hours**

Principles and practices in writing and preparing advertising messages for the mass media. Analysis of successful advertising copy as well as opportunity for students to develop their own copywriting skills are part of the course. Social responsibility and ethics of the advertiser and copywriter are an integral part of instruction. FALL, even years

**PREL 368 - Fundraising for Nonprofits (SERV-2)—3 hours**

Study of fundraising principles and concepts; techniques used in planning, organizing, and carrying out a fundraising campaign; developing prospect lists, writing proposals, identifying and training development leadership, and working with foundations. WINTER, odd years

**PREL 391 - Practicum—1-3 hours**

See PREL 291 for course description. Prerequisite(s): Consent of instructor before arranging for practicum. FALL | WINTER | SUMMER

**PREL 455 - Public Relations Strategy and Management—3 hours**

This capstone course analyzes the changing public relations environment from a managerial perspective. Topics include the growing need for strategic planning, measurement of return on investment, credibility management, crisis communication, and management of social media. Senior communication professionals will be invited to present “real life” challenges they have confronted. Through case review, discussion of reputation issues in the news, and class presentations, students will focus on strategic thinking and creative approaches to management responsibilities in public relations. WINTER

**PREL 465 - Topics in Public Relations—1-3 hours**

See PREL 265 for course description. FALL | WINTER

**PREL 482 - The Public Relations Campaign (SERV-2)—3 hours**

In this course students apply public relations strategy in planning a campaign for a local organization utilizing the four-step method: research, action planning, communication and evaluation. This course involves real world application of communication theory and techniques with a nonprofit client. This course also meets the requirements for a service learning class. Prerequisite(s): COMM 397, PREL 235, PREL 485 or permission of instructor. WINTER



**PREL 485 - Public Relations Techniques—3 hours**

Communication techniques used in public relations to identify and reach specified audiences through mass media channels and through controlled media. Preparation of press releases, brochures, newsletters, reports, audio-visuals, speeches, and media campaigns; planning and conducting special events. Prerequisite(s): JOUR 205, JOUR 208; PREL 235. FALL

**PREL 493 - Public Relations Internship—1-3 hours**

Students work in the field of advertising, sales, or public relations to obtain on-the-job experience, preferably during an 8 to 12 week period the summer between the junior and senior year when no other college course is taken. At least 300 clock hours of work experience are required. Detailed procedures and guidelines are available from the School. Retroactive credit is not available. Prerequisite(s): Completion of at least half the requirements for a major or minor in public relations, advertising, or sales and School approval. FALL | WINTER | SUMMER

**PREL 495 - Directed Study—1-4 hours**

See PREL 295 for course description.

**Psychology****PSYC 100 - Careers in Psychology (SERV-2)—1 hour**

A seminar with a service learning component that introduces prospective psychology majors and minors to the field of psychology with its many and varied areas of specializations. The course focuses on the critical steps needed to be taken in the process of becoming a psychologist and an overview of the psychology programs offered at Southern Adventist University. One major requirement of the course is a 15-clock hour service learning activity. WINTER

**PSYC 101 - Psychology of Personal and Social Adjustment—3 hours**

This course will provide an opportunity for students to gain insight into their own behavior as well as that of others. Goals for this course include: understanding strategies for personal adjustment and growth across the life span, dealing with life changes and developing adequate coping mechanisms for making self-affirming life choices, maintaining health, managing stress, relating to others in one's social environments, and developing effective interpersonal relationships. Strategies for exploring life options and making effective decisions are emphasized. Importance is placed on the role of beliefs and values in the decision-making process and the problems that arise out of value conflicts.

**PSYC 122 - General Psychology—3 hours**

A beginning course in the basic principles and concepts of psychology. This course provides an exposure to a wide variety of human behaviors, which may include but are not limited to: sensation, perception, learning, memory, thinking, development motivation and personality. Hours of active learning are included in this course. Required of PSYC majors. FALL | WINTER

**PSYC 128 - Developmental Psychology (IN-8)—3 hours**

This general education course is a study of human development from a lifespan perspective. Emphasis is placed on the scientific study of growth and change in the areas of physical, cognitive, socioemotional, and spiritual development of the individual. Nursing majors are strongly encouraged to take this course. FALL | WINTER | SUMMER

**PSYC 201 - Parenting (SERV-2)—3 hours**

A study of the family system in preparation for parenthood and the dynamics of parent-child interaction. Attention is given to family planning, the childbirth experience, child development, techniques for developing close relationships and communication between parent and child, understanding and relating to children's individuality, common child rearing problems, and methods of modifying behavior. This course is cross-listed with SOCW 201. A student may receive credit for this course from only one program. WINTER

**PSYC 221 - Challenge Course Facilitator—3 hours**

See OUTL 221 for course description. Lab Fee: 11 (\$240). This course is cross-listed with OUTL 221. A student may receive credit for this course from only one program. Prerequisite(s): OUTL 136. FALL

**PSYC 223 - Marriage and Family—3 hours**

This course provides an overview of marriage and the family from the social-psychological dimension, including intimate, economic and spiritual aspects. Included are investigations of courtship and marriage relationships, preparation for marriage, family and parenthood, interpersonal relationships and marital adjustment. This course is cross-listed with SOCW 225. A student may receive credit for this course from only one program. FALL

**PSYC 224 - Social Psychology—3 hours**

A study of human behavior as affected in the context of the social world. Dynamics of groups, social roles, communication, and mass behavior are focuses of consideration. This course is cross-listed with SOCI 224. A student may receive credit for this course from only one program. FALL

**PSYC 226 - Psychology of Religion—3 hours**

An examination of the psychological processes involved in religious experiences from personal, developmental, social and emotional perspectives.



**PSYC 227 - Cognitive Psychology—3 hours**

This course is an introduction to the area of psychology which deals with how human beings process information about the world. The course focuses on how individuals attend to and obtain information about the world, how the brain stores and processes that information, and how individuals think, solve problems and use language. Specific topics such as attention, perception, memory and problem solving are addressed. Prerequisite(s): PSYC 122. FALL

**PSYC 231 - Multicultural Relations—3 hours**

See SOCI 230 for course description. Lab Fee: 1 (\$10). This course is cross-listed with SOCI 230 and SOCW 230. A student may receive credit for this course from only one program. WINTER

**PSYC 233 - Human Sexuality—3 hours**

A study of human sexual behavior, relationships, and values as reflected in the Christian cultural setting. This course is cross-listed with SOCI 233 and SOCW 233. A student may receive credit for this course from only one program. WINTER

**PSYC 234 - H: Social Psychology—3 hours**

This course is part of the Southern Scholars curriculum. It is a more rigorous version of PSYC 224, a study of human behavior as affected in the context of the social world. Concepts such as group dynamics, social roles, communication, and mass behavior will be examined from an interdisciplinary perspective. Students will learn how social psychological concepts impact various arenas such as families, business, religion, law, politics, and media. Prerequisite(s): Acceptance into Southern Scholars or permission of the instructor. FALL

**PSYC 241 - Psychology of Exceptional Children and Youth—2 hours**

This course provides an overview of a wide range of exceptional individuals—from those with disabilities to the economically disadvantaged. The course addresses the learning and adjustment problems of exceptional children and youth from birth to twenty-one (21) years of age. Issues relevant to families with exceptional children, professionals serving this population, and community and societal factors are considered.

**PSYC 250 - Death and Dying—3 hours**

See SOCI 250 for course description. Lab Fee: 1 (\$10). This course is cross-listed with SOCI 250, SOCI 450, SOCW 250, and SOCW 450. A student may receive credit for this course from only one program. FALL

**PSYC 253 - Industrial/Organizational Psychology—3 hours**

A study of human behavior in industries and organizations. Major theories, issues, research, and methods will be introduced. Emphasis is given to acquainting students with the possible applications of psychology to the fields of business and organizational management. Prerequisite(s): PSYC 122 or PSYC 128. FALL

**PSYC 295 - Directed Study—1-3 hours**

This course permits the student with adequate preparation to pursue independent study in specific areas in psychology. The area of study will appear on the transcript. Directed study arrangements are to be completed by the student in advance of registration after consulting with the adviser and following an application process. Procedures and guidelines are available from the school. May be repeated for credit. Prerequisite(s): Approval of instructor.

**PSYC 297 - Research Design and Statistics I—3 hours**

This course provides an introduction to scientific inquiry in psychology and other social and behavioral sciences. Students are introduced to APA (American Psychological Association) style, descriptive statistics, and basic research design. Students are guided in understanding the role of statistics in research design and are introduced to computer-aided data analysis using SPSS (Statistical Package for the Social Sciences). Two lectures and one two-hour laboratory each week. Prerequisite(s): Completion of ENGL 102 with a minimum grade of C. For psychology majors PSYC 122 or PSYC 128 ; for political science majors PLSC 254 or PLSC 260; for international development studies majors INDV 220. FALL

**PSYC 315 - Abnormal Psychology—3 hours**

A study of the etiology of pathological behavior and the factors relating to good adjustment and mental health. Attention is paid to several continuing or recent controversial issues in the field of psychopathology. Prerequisite(s): PSYC 122, PSYC 128, or permission of instructor. WINTER

**PSYC 326 - Biological Basis for Behavior—3 hours**

A study of the brain: neuroanatomy, neurophysiology, and neural control of behavior. The biochemical substrates of behavior such as memory, sleep, emotion, learning, and motivation are examined. Two lectures and one laboratory each week. Lab Fee: 3 (\$20). Prerequisite(s): PSYC 122 or permission of instructor. WINTER, even years

**PSYC 336 - Language Acquisition and Development—2 hours**

This course will explore the process of language acquisition through its developmental stages (from infancy through adulthood). A review of literature will expand on visual, auditory and information processing disorders as well as the major theories of language acquisition and development. Five (5) hours of field experience observations are required.

**PSYC 346 - Introduction to Personality Theories—3 hours**

This course is an exploration of the major paradigms of personality theory from a Christian perspective. Psychoanalysis, behaviorism, humanism, existentialism, and others will be covered. It will focus on the modern theorists, including White, Rogers, Skinner, May, Bandura, Mischel, Wilson, and Barash. A study of human motivation and an exploration of individual personality perspective will provide useful personal information. Prerequisite(s): PSYC 122, PSYC 128, or permission of instructor. WINTER

**PSYC 349 - Aging and Society (W)—3 hours**

This course is designed to introduce undergraduate students to the multidisciplinary field of Gerontology. Substantive, conceptual, and methodological issues central to the study of adult development and aging are explored through collaborative learning opportunities. The reading material, lectures, and other course content will present a broad overview of the social, psychological, structural, and biophysical factors that shape the individual's experience of old age, as well as the consequences that an aging population has for social institutions. This course is cross-listed with SOCI 349 and SOCW 349. A student may receive credit for this course from only one program. FALL | WINTER | SUMMER

**PSYC 357 - Psychological Testing—3 hours**

This course is designed to introduce the student to the principles of testing, particularly as it relates to the practice of psychology. Specifically, the course examines the purpose of individual assessment of ability, aptitude, achievement, interest, and personality. Theory and basic concepts underlying the individually administered and group tests will be evaluated. Non-standardized tests and other techniques for psychological assessment will also be addressed. Concurrent enrollment with PSYC 297 is recommended. Prerequisite(s): PSYC 122 or MATH 215 or permission of instructor. FALL

**PSYC 377 - Fundamentals of Counseling—3 hours**

This is an introduction to the major theories and practices of individual counseling. The dynamics of the helping relationship are analyzed. Theory and practice will be integrated. Prerequisite(s): Recommended: PSYC 315 or PSYC 346. FALL

**PSYC 384 - Experimental Psychology—3 hours**

This course focuses on experimentation in the field of psychology. Specifically, students will be introduced to conducting simple experiments in such areas as learning, cognition, sensation, perception, and social psychology. Prerequisite(s): PSYC 122 and PSYC 297 or permission of instructor. FALL, odd years

**PSYC 390 - Health Psychology—3 hours**

A study of the principles of human behavior in understanding how the mind and body interact in health and disease. The course examines topics such as alcohol, other drugs and behavior, health promotion, psychosomatic illness, stress and coping, pain management, and health damaging behaviors. Prerequisite(s): PSYC 122 or permission of instructor. WINTER, odd years

**PSYC 405 - Sexual Abuse Awareness and Prevention—1-3 hours**

See SOCW 405 for course description. This course is cross-listed with NURS 348 and SOCW 405. A student may receive credit for this course from only one program. WINTER

**PSYC 416 - History and Systems of Psychology (W)—3 hours**

This is the capstone course of the psychology undergraduate program. The course examines the beginnings of modern psychology from its origins in theology, philosophy, and the natural sciences, to its contemporary schools and theoretical systems that comprise psychology today. Successful completion of the capstone experience requires the writing of a senior thesis and completing the Major Field Exit exam (MFT) in psychology. The senior thesis showcases each psychology senior's attempt to describe and evaluate the contributions of a major figure in the history of psychology and to examine how the enduring questions in philosophy and psychology have been answered by the historical figure chosen, and reflected in each student's own intellectual journey in the psychology program. The last portion of the thesis is a self-assessment of how the student has met a major core objective of the program's Conceptual Framework: The Caring Person. In order to complete the course, students must receive a passing grade on their senior thesis, and pass the MFT with a score that, at minimum, lies at the 50th percentile. Lab Fee: 4 (\$30). Prerequisite(s): PSYC 122 and senior standing for BA/BS in Psychology; Completion of ENGL 102 with a minimum grade of C. Admission to Psychology or permission of instructor. FALL|WINTER

**PSYC 422 - Issues in Adolescence—3 hours**

The determinants and implications of behavioral characteristics and developmental patterns during adolescence will be studied. Content will include the psychological and social dynamics underlying the crises and issues specific to adolescents in modern society. This course is cross-listed with EDUC 423. A student may receive credit for this course from only one program. Prerequisite(s): PSYC 122, PSYC 128, or permission of instructor. FALL, even years

**PSYC 455 - Psychology of Emerging Adulthood—3 hours**

The determinants and implications of behavioral characteristics and developmental patterns during emerging adulthood will be studied. Content will include the psychological and social dynamics underlying the crises and developmental issues specific to emerging adulthood in modern society. FALL, odd years

**PSYC 460 - Group Processes—3 hours**

This course will offer the advanced student the opportunity to explore through practice the various roles of group dynamics. The experience will provide skill development for the management of small groups in therapy, school, business, and church settings. WINTER, odd years

**PSYC 465 - Topics in Psychology—1-3 hours**

Selected topics in psychology as chosen from such areas as: psychology of religion, ethics, individual differences, psychology of women, sensation and perception, etc. This course may be repeated for credit with an appropriate change in topics. Prerequisite(s): Psychology major with junior or senior standing or permission of instructor. FALL | WINTER

**PSYC 479 - Family Counseling—3 hours**

An advanced counseling techniques course including an emphasis on family and individual counseling and how to direct persons to make changes towards more effective interpersonal relationships. Pre- or Co-requisite: PSYC 377 or permission of instructor. FALL, even years

**PSYC 490 - Psychology Seminar—1 hour**

This course is designed to provide students with an opportunity to think critically about their career choice in the field of psychology. The seminar provides guidance for those planning on applying to graduate programs. The course walks students through the phases of the application process including, but not limited to, establishing a specific career path, identifying admission requirements, searching for accredited graduate programs in their chosen specializations, writing a sample admission essay, and completing an application to at least one graduate school of their choice. As part of course requirements, students will apply for admission to the Psychology program at Southern. Prerequisite(s): Completion of ENGL 102 with a minimum grade of C. Psychology major or minor with junior or senior standing or permission of instructor. Highly recommended to enroll in course in junior year. FALL

**PSYC 491 - Psychology Practicum—1-3 hours**

Supervised volunteer/work experience in related fields of psychology. At least fifty (50) clock hours of work experience are required for each semester hour of credit. This class should be taken no later than fall of the senior year. Grades will be assigned on an A, B, or F basis. May be repeated for credit for up to 3 hours. Prerequisite(s): Psychology major with junior or senior standing and approval of the instructor. FALL | WINTER | SUMMER

**PSYC 495 - Directed Study—1-3 hours**

See PSYC 295 for course description. Prerequisite(s): Permission of instructor.

**PSYC 498 - Research Design and Statistics II (W)—4 hours**

This course is the second of the two-part series, Research Design and Statistics. Emphasis is placed on 'doing research' in psychology. The focus is on research methods, inferential statistics, and non-parametric methods of data analysis. Each student is required to complete a proposal and an independent research project. Data analysis techniques utilize SPSS (Statistical Package for the Social Sciences). Two lectures and one two-hour laboratory each week. Lab Fee: 3 (\$20). Prerequisite(s): Completion of ENGL 102 with a minimum grade of C. For psychology majors PSYC 122, PSYC 297 or MATH 215, either with a minimum grade of C-; for political science majors PSYC 297, MATH 215 and either PLSC 254 or PLSC 260 with a minimum grade of C-; for international development studies majors PSYC 297, MATH 215 and INDV 220 with a minimum grade of C-. Prerequisites may be waived by permission of instructor. WINTER

**Physical Therapy Assistant****PTAS 100 - Physical Therapy Perspectives—3 hours**

In this 16-week course, the physical therapist assistant (PTA) student received an introduction to the role of the PTA with the PT/PTA relationship as well as the overall healthcare team. The fundamentals of ethical decision-making and Standards of Practice for the PTA are defined and established as the behavioral expectation of the professionalism throughout the entire program. Students learn to apply appropriate standard to all PTA interactions ranging from daily patient care interactions to more difficult topics like stress management and dealing with death and dying. This course also introduces the PTA student to documentation and evidence-based practice. Prerequisite(s): Admission to the PTA Program. Corequisite(s): PTAS 105, PTAS 115, PTAS 205, PTAS 212. FALL

**PTAS 105 - Kinesiology—3 hours**

In this 16-week course, the physical therapist assistant (PTA) student discovers human movement through the anatomy and joint biomechanics of the musculoskeletal system. A thorough understanding of anatomical positions, terminology, planes of motion, tissues and muscles of trunk and extremities are covered. Foundation concepts of muscle/joint functions, biomechanics, levers, kinematics, open and closed chain motions, arthrokinematics, and standard joint motion are introduced and will aid in further concept development in PTAS 201 and PTAS 220. Practical applications include goniometry, muscle testing, passive range of motion and palpation of bony landmarks and soft tissues. Prerequisite(s): Admission to the PTA Program. Corequisite(s): PTAS 100, PTAS 115, PTAS 205, PTAS 212. FALL

**PTAS 115 - Fundamentals of PT Practice—4 hours**

In this 16-week course, the physical therapist assistant (PTA) student learns the fundamental activities of a PTA in the clinical setting. The PTA student learns safety awareness with OSHA standards, infection control, body mechanics, and assessing patient vital signs. The PTA student will also learn about wound care, skin integrity, and common burn treatments. The normal gait cycle will be broken down and discussed. Practical application skills include positioning and draping, wheelchair management mobility, bed mobility, transfers, gait training and assistive device use and management. Lab Fee: 8 (\$150). Prerequisite(s): Admission to the PTA Program. Corequisite(s): PTAS 100, PTAS 105, PTAS 205, PTAS 212. FALL

**PTAS 201 - Observation and Measurement—2 hours**

In this 12-week course, the physical therapist assistant (PTA) student receives instruction in the skills needed to collect information for plan of care progression. It is said, "That which is measured improves" ~ Peter Drucker. Therefore, in order to measure progress or the lack thereof, PTA students must be proficient in observing and assessing the current state of the patient. The students learn how to assess the quantity and quality of pain; posture; muscle tone; reflexes; muscle strength through manual muscle testing; balance and coordination; arousal; mentation; and cognition. Students also learn how to monitor for potential safety and architectural barriers in the home and community. Each student begins an evidence-based research project by selecting a topic for literature review. Prerequisite(s): PTAS 100, PTAS 105, PTAS 115, PTAS 205, PTAS 212. Corequisite(s): PTAS 209, PTAS 215, PTAS 220, PTAS 235. WINTER

**PTAS 205 - Therapeutic Modalities—4 hours**

In this 16-week course, the physical therapist assistant (PTA) student receives instruction in the application of therapeutic modalities to address various physical rehabilitation goals. Students learn the physiology of pain and its influence on patient function. Students are educated in the indications, contraindications, use, and application of the following modalities: superficial heat/paraffin, cryotherapy, ultrasound, phonophoresis, intermittent compression, mechanical traction, electrical current/iontophoresis, biofeedback, LASER, hydrotherapy, and therapeutic massage. Prerequisite(s): Admission to the PTA Program. Corequisite(s): PTAS 100, PTAS 105, PTAS 115, PTAS 212. FALL

**PTAS 209 - Orthopedic Rehabilitation—2 hours**

In this 12-week course, the physical therapist assistant (PTA) student learns information vital to treating a patient with an orthopedic diagnosis. This course includes content on common orthopedic conditions, common post-surgical conditions and related treatment protocols. Prerequisite(s): PTAS 100, PTAS 105, PTAS 115, PTAS 205, PTAS 212. Corequisite(s): PTAS 201, PTAS 215, PTAS 220, PTAS 235. WINTER

**PTAS 212 - Clinical Pathology—2 hours**

In this 16-week course, the physical therapist assistant (PTA) student receives instruction in the impact of disease on human performance and function throughout the lifespan. The way the body protects itself through the various aspects of the immune system and the process of inflammation and repair are the initial areas of focus. The student then proceeds through the study of disease in a systematic manner for all body systems as well as common medical and surgical conditions. Students gain experience in reviewing a medical record, understanding common laboratory values and their indications, and physical therapy implications of common medications. Prerequisite(s): Admission to the PTA Program. Corequisite(s): PTAS 100, PTAS 105, PTAS 115, PTAS 205. FALL

**PTAS 215 - Neuromuscular Rehabilitation—4 hours**

In this 12-week course, the physical therapist assistant (PTA) student takes a thorough look at treatment of neurologic conditions. This course enables the student to identify normal versus abnormal neurological tone and movements. Foundational concepts in developmental sequencing, righting and equilibrium reactions, and developmental reflexes are covered. The common techniques of PFN, Rood, Bobath, Brunnstrom, and NDT are used for treatment. Common neurological conditions, including spinal cord injury and traumatic brain injury, are heavily focused on in this course. Prerequisite(s): PTAS 100, PTAS 105, PTAS 115, PTAS 205, PTAS 212. Corequisite(s): PTAS 201, PTAS 209, PTAS 220, PTAS 235. WINTER

**PTAS 218 - Rehabilitation—3 hours**

In this 4-week course, the physical therapist assistant (PTA) student receives instruction in the treatment of various special population groups. The PTA student will learn patient care techniques from the pediatric to the geriatric patient. The various uses of orthotics as well as prosthetics for post-amputation patients is covered. Other topics covered include grade I and II joint mobilizations, special tests, women's health issues and pulmonary physical therapy. Content experts cover some of the previous topics through guest lectures. Each student presents an oral and PowerPoint presentation around an evidence-based project that began in PTAS 201. Prerequisite(s): PTAS 100, PTAS 105, PTAS 115, PTAS 201, PTAS 205, PTAS 209, PTAS 212, PTAS 215, PTAS 220, PTAS 235. Corequisite(s): PTAS 225, PTAS 245, PTAS 255. FALL

**PTAS 220 - Therapeutic Exercise—3 hours**

In this 12-week course, the physical therapist assistant (PTA) student will learn how to assess and apply therapeutic exercise techniques. The foundation from PTAS 105 and PTAS 115 are built upon to develop strong skills in therapeutic exercise (progression and regression). Key areas of focus for this course include anaerobic exercise, aerobic conditioning, stretching, strengthening, open vs closed chain exercise, common gait deviations and cardiovascular rehabilitation. Students learn how to write, instruct and progress a home exercise program. Prerequisite(s): PTAS 100, PTAS 105, PTAS 115, PTAS 205, PTAS 212. Corequisite(s): PTAS 201, PTAS 209, PTAS 215, PTAS 235. WINTER

**PTAS 225 - Capstone Seminar—1 hour**

In this 16-week course, students prepare for taking the PTA licensure examination. Instruction in study techniques along with test taking strategies are a large focus of this course. Mock examinations are used throughout the course to increase the student's comfort level with the testing process. Additional topics covered include instruction in resume completion and interview skills, impact of insurance regulation on PT care, risk management, quality assurance and career development. Lab Fee: 10 (\$210). Prerequisite(s): PTAS 100, PTAS 105, PTAS 115, PTAS 201, PTAS 205, PTAS 209, PTAS 212, PTAS 215, PTAS 220, PTAS 235. Corequisite(s): PTAS 218, PTAS 245, PTAS 255. FALL

**PTAS 235 - Clinical Affiliation I—4 hours**

In this 4-week course, the physical therapist assistant (PTA) student integrates the didactic knowledge of all prerequisite courses into a full-time clinical experience. The purpose of the initial experience is to apply, integrate, and perform learned clinical skills on patients under the supervision of a licensed physical therapist (PT) and/or physical therapist assistant (PTA). Basic patient care skills, anatomy/biomechanics, therapeutic exercise, and selected assessment techniques are included. Selected pathological and disease conditions will be emphasized depending on the setting. Practice settings may include acute care hospitals, private practice, skilled nursing centers, and outpatient rehabilitation centers. Knowledge, skills and attitudes learned during the didactic courses will be applied to direct patient/client care for uncomplicated patients with a high degree of supervision and guidance. The student will spend a minimum of 160 hours in the clinical setting. Prerequisite(s): PTAS 100, PTAS 105, PTAS 115, PTAS 205, PTAS 212. Corequisite(s): PTAS 201, PTAS 209, PTAS 215, PTAS 220. WINTER

**PTAS 245 - Clinical Affiliation II—6 hours**

In this 6-week course, the physical therapist assistant (PTA) student integrates the didactic knowledge of prerequisite courses into a full-time clinical experience. The purpose of this experience is to apply, integrate and perform learned clinical skills on patients under the supervision of a licensed physical therapist (PT) and/or physical therapist assistant (PTA). The emphasis of this experience is on integrating previously learned PTA skills, therapeutic modalities, advanced therapeutic techniques, and neurophysiological techniques into an established physical therapy program. Typical practice settings may include acute care hospitals, private practice, home health, sports centers, developmental centers, skilled nursing centers, geriatrics, pediatrics, inpatient and outpatient rehabilitation centers and VA hospitals. Knowledge, skills and attitudes learned during the didactic courses and PTAS 235 will be applied to direct patient/client care for uncomplicated to complex patients with supervision that will vary with the complexity of the patient or the environment. The student will spend a minimum of 240 hours in the clinical setting. Prerequisite(s): PTAS 100, PTAS 105, PTAS 115, PTAS 201, PTAS 205, PTAS 209, PTAS 212, PTAS 215, PTAS 220, PTAS 235. Corequisite(s): PTAS 218, PTAS 225, PTAS 255. FALL

**PTAS 255 - Clinical Affiliation III—6 hours**

In this 6-week course, the physical therapist assistant (PTA) student integrates the didactic knowledge of prerequisite courses into a full-time clinical experience. The purpose of this experience is to apply, integrate and perform learned clinical skills on patients at entry-level under the supervision of a licensed physical therapist (PT) and/or physical therapist assistant (PTA). The emphasis of this experience is on integrating previously learned PTA skills, critical thinking, problem solving, advanced therapeutic techniques and neurophysiological techniques into an established physical therapy program. Typical practice settings may include acute care hospitals, private practice, home health, sports centers, developmental centers, skilled nursing centers, geriatrics, pediatrics, inpatient and outpatient rehabilitation centers and VA hospitals. Knowledge, skills and attitudes learned during the didactic courses, PTAS 235 and PTAS 245 will be applied to direct patient/client care for complex patients with supervision that will vary with the complexity of the patient or the environment. The student will spend a minimum of 240 hours in the clinical setting. Prerequisite(s): PTAS 100, PTAS 105, PTAS 115, PTAS 201, PTAS 205, PTAS 209, PTAS 212, PTAS 215, PTAS 220, PTAS 235. Corequisite(s): PTAS 218, PTAS 225, PTAS 245 FALL

**Recreation****RECR 210 - Group Fitness Instructor—2 hours**

See PETH 210 for course description. Lab Fee: 10 (\$210). This course is cross-listed with PETH 210. A student may receive credit for this course from only one program. WINTER

**RECR 254 - Lifeguarding (P-1b)—1 hour**

See PEAC 254 for course description. Lab Fee: 4 (\$30). This course is cross-listed with PEAC 254. A student may receive credit for this course from only one program. Prerequisite(s): PEAC 125. FALL | WINTER

**RECR 265 - Topics in Recreation—1-3 hours**

Topics selected from areas of recreation not covered in other courses. This course may be repeated for credit. FALL | WINTER

**RECR 268 - Officiating Sports Analysis—2 hours**

An introduction to administration of and participation in the organization of officiating in team and individual recreational activities. FALL

**RECR 269 - Officiating Sports Analysis—2 hours**

An introduction to administration of and participation in the organization of officiating in team and individual recreational activities. WINTER

**RECR 326 - Personal Trainer—3 hours**

See PETH 326 for course description. Lab Fee: 11 (\$240). This course is cross-listed with PETH 326. A student may receive credit for this course from only one program. FALL | WINTER

**RECR 491 - Recreation Practicum—1-3 hours**

The student will spend a minimum of 100 credit hours in observing and working with a recreation facility. Appropriate sights will be located in cooperation with your academic adviser. FALL | WINTER | SUMMER

**---Biblical Studies****RELB 125 - Life and Teachings of Jesus (R-1)—3 hours**

A study of the life, ministry, and teachings of Jesus with special emphasis on His teachings as they apply to the personal, social, and religious problems of the individual. FALL | WINTER | SUMMER

**RELB 175 - Acts of the Apostles (R-3) (R-4)—3 hours**

A study of the development of the church during apostolic times, including an introduction to the characters, issues, and events that shaped the earliest Christian communities and the theological development of the gospel by the early church. FALL | WINTER

**RELB 225 - Prophetic Studies (R-3) (R-4)—3 hours**

A study of selected historical and prophetic portions of Daniel and Revelation and their relationship to the mission and message of the Seventh-day Adventist Church. This course is cross-listed with RELB 325. A student may receive credit for this course from only one program. FALL

**RELB 237 - Archaeology and the Old Testament (R-3) (R-4)—3 hours**

A study of cultures, customs, languages, and religions that impact the understanding of the Old Testament based on archaeological and other ancient material culture which, interpreted from the viewpoint of the Bible, emphasizes its authenticity. FALL

**RELB 245 - Old Testament Studies I (R-3) (R-4)—3 hours**

An introduction to the Pentateuch and Writings, two major divisions of the Old Testament. Attention will be given to the structure, themes, theology, historical setting, and significance of this literature in Christian interpretation. Various approaches to the study of the Old Testament will be surveyed. FALL

**RELB 246 - Old Testament Studies II (R-3) (R-4)—3 hours**

An introduction to the Prophets, a third major division of the Old Testament. Attention will be given to the structure, themes, theology, historical setting, and significance of this literature in Christian interpretation. WINTER

**RELB 247 - Archaeology and the New Testament (R-3) (R-4)—3 hours**

A study of the cultures, customs, languages, and religions that impact the understanding of the New Testament based on archaeological and other ancient material culture which, interpreted from the viewpoint of the Bible, emphasizes its authenticity. WINTER

**RELB 255 - Archaeological Fieldwork (R-4)—1-6 hours**

In conjunction with the archaeological expeditions and sponsored by Southern Adventist University, qualified students obtain practical experience and training in archaeological fieldwork by assisting in the supervising of excavation drawings, registering, reading of pottery, and related work. Additional fees may be charged to cover the expenses of fieldwork and room and board. Lab Fee: 33 (\$3,000). Additional fees may be charged. SUMMER

**RELB 260 - Sexuality and Scripture (R-3) (R-4)—3 hours**

An introductory course exploring the theology of sexuality in both the Old and New Testaments. Sexuality and Scripture is a study of the principles of Christian sexuality in a biblical context and from a counter-cultural perspective. Its intent is to teach Christian view on the subject and challenge the sexual thought and values of contemporary society. It includes the study of sexual ideologies and practices, both religious and secular, the assumptions behind them, and results impacting physical, mental, and spiritual health and happiness. WINTER

**RELB 265 - Topics in Biblical Studies—1-3 hours**

This course is designed to provide an exposure to a wide range of religious studies dealing with issues encountered in biblical studies. The content will change as needed, so the course may be repeated once for credit. Open to all students. FALL | WINTER

**RELB 268 - Sermon on the Mount (R-3)—3 hours**

This course is a study of the Sermon on the Mount as recorded in the Gospels of Matthew and Luke.

**RELB 270 - The Epistle to the Romans (R-3)—3 hours**

An exegetical study of Paul's Epistle to the Romans with close attention paid to introductory issues such as occasion and purpose, as well as to the main argument of the book and its theological significance for modern readers.

**RELB 295 - Directed Study—1-3 hours**

This course is limited primarily to School of Religion majors and must be approved by the dean of the School of Religion. Occasionally, the course may be conducted as a seminar and published in the schedule of classes. This course may be repeated for credit.

**RELB 325 - Prophetic Studies (R-3) (R-4)—3 hours**

See RELB 225 for course description. This course is cross-listed with RELB 225. A student may receive credit for this course from only one program. FALL

**RELB 340 - Middle East Study Tour (R-3) (R-4)—1-3 hours**

Sponsored by the School of Religion, the Middle East Study Tour focuses on the archaeological, historical, and geographical study of the region, with an emphasis on the comparative study of cultures, locations, and events as they relate to the Bible. Fees are assessed to cover the expenses of the tour. Lab Fee: Additional fees may be charged. SUMMER

**RELB 425 - Studies in Daniel (R-3) (R-4) (W)—3 hours**

A study of selected historical and prophetic portions of Daniel to discover their meaning and relevance for today. FALL

**RELB 426 - Studies in Revelation (R-3) (R-4)—3 hours**

A study of the prophecies and symbolisms of Revelation with their historical fulfillments. Special attention will be given to discovering its special message for our day. WINTER

**RELB 435 - New Testament Studies I (R-3) (R-4)—3 hours**

A brief introduction to and exegetical study of the General Letters of the New Testament, which include Hebrews; James; 1 and 2 Peter; Jude and 1, 2, and 3 John. Includes a background survey of the book of Acts. FALL

**RELB 436 - New Testament Studies II (R-3) (R-4)—3 hours**

A brief introduction to and exegetical study of the Pauline Letters of the New Testament which include 1 and 2 Thessalonians, 1 and 2 Corinthians, Galatians, Romans, Ephesians, Colossians, Philippians, Philemon, and 1 and 2 Timothy. WINTER



**RELB 455 - Archaeological Fieldwork (R-4)—1-6 hours**

See RELB 255 for course description. Lab Fee: 33 (\$3,000). Additional fees will be charged. SUMMER

**RELB 465 - Topics in Biblical Studies—1-3 hours**

This course is designed to provide an exposure to a wide range of religious studies dealing with issues encountered in biblical studies. The content will change as needed, so the course may be repeated once for credit. Open to all students. FALL | WINTER

**RELB 477 - Exodus, Egyptian Warfare, and Archaeology (R-3) (R-4) (W)—3 hours**

A seminar course that explores the core events of the book of Exodus and its development as a major theme in the Old Testament in relation to Egyptian and Near Eastern historical texts and warfare tactics of the ancient world. Careful attention will be paid to the exegesis of the biblical texts and Egyptian documents before comparisons are made with cultural, political, and historical events in Egypt and Canaan from an archaeological perspective. The course will make heavy use of the primary source materials in the William G. Dever Research Library.

**RELB 479 - Biblical Imagery and the Archaeology of Near Eastern Images (R-3) (R-4) (W)—3 hours**

A seminar course that explores the rich motifs of biblical imagery and the development of metaphors of God in the Old Testament in relation to Near Eastern artifacts, images, and seals of the ancient world. Careful attention will be paid to the exegesis of biblical texts before comparisons are made with cultural, political, and religio-historical developments in the ancient Near East from an archaeological perspective. The course will make heavy use of the primary source materials in the William G. Dever Research Library.

**RELB 481 - David, Solomon, and the Archaeology of State Formation (R-3) (R-4) (W)—3 hours**

Prerequisite(s): A seminar course that explores the central role that David and Solomon played in the development of kingship and state formation in ancient Israel in relation to ancient Near Eastern and Hebrew historical texts and archaeological excavations in modern Israel. Careful attention will be paid to the exegesis of the biblical texts of Samuel and Kings before comparisons are made with cultural, political, and historical events in Israel and the ancient Near East from an archaeological perspective. The course will make heavy use of the primary source materials in the William G. Dever Research Library.

**RELB 483 - Sanctuary, Temple, and the Archaeology of Religion (R-3) (R-4) (W)—3 hours**

A seminar course that explores the central role of the sanctuary and temple services and the development of religion and cult in ancient Israel in relation to ancient Near Eastern and Hebrew historical texts, iconography, and archaeological excavations in Egypt and the ancient Near East. Careful attention will be paid to the exegesis of the biblical texts before comparisons are made with cultural, political, and historical events in Israel and the ancient Near East from an archaeological perspective. The course will make heavy use of the primary source materials in the William G. Dever Research Library.

**RELB 495 - Directed Study—1-3 hours**

See RELB 295 for course description.

**RELB 497 - Archaeological Method and Theory (R-4)—3 hours**

This course provides a thorough background to archaeological method and theory for the advanced archaeology student, including a historical overview of archaeological inquiry, as well as the development of procedure, method, and theoretical perspectives in the discipline. There will be a focus on ceramic typology and interpretation of site reports in the southern Levant and the Aegean world. Open to archaeology majors and minors only. Prerequisite(s): RELB 237, RELB 247. WINTER, even years

**Biblical Languages****RELL 181 - Biblical Hebrew I—3 hours**

An introductory course in the grammar and vocabulary of Biblical Hebrew. The student will read and translate selected Old Testament passages in order to apply what is being learned. Laboratory work is required. FALL

**RELL 182 - Biblical Hebrew II—3 hours**

An introductory course in the grammar and vocabulary of Biblical Hebrew. The student will read and translate selected Old Testament passages in order to apply what is being learned. Laboratory work is required. WINTER

**RELL 191 - New Testament Greek I—3 hours**

An introductory course in the grammar and vocabulary of New Testament Greek. The student will read and translate selected New Testament passages in order to apply what is being learned. Laboratory work is required. FALL

**RELL 192 - New Testament Greek II—3 hours**

An introductory course in the grammar and vocabulary of New Testament Greek. The student will read and translate selected New Testament passages in order to apply what is being learned. Laboratory work is required. WINTER

**RELL 221 - Introduction to Biblical Exegesis—2 hours**

An introduction to the principles of biblical interpretation and their underlying presuppositions as well as their application to biblical exegesis, focusing on the various steps of the exegetical process. Passages of the Bible representing the various genres of the Old and New Testaments will be interpreted. Prerequisite(s): RELL 181 or RELL 191. WINTER

**RELL 295 - Directed Study—1-3 hours**

This course is limited primarily to School of Religion majors and must be approved by the dean of the School of Religion. Occasionally, the course may be conducted as a seminar and published in the schedule of classes. This course may be repeated for credit. FALL | WINTER

**RELL 330 - Intermediate Hebrew—3 hours**

An intermediate course in the grammar and vocabulary of biblical Hebrew with an emphasis on Hebrew syntax. Selected Old Testament passages will be translated and interpreted. The student will be introduced to word studies and grammatical text-analysis which form the basis for exegetical work with the biblical text. Prerequisite(s): RELL 181, RELL 182. FALL

**RELL 331 - Intermediate Greek—3 hours**

An intermediate course in the grammar and vocabulary of New Testament Greek with an emphasis on Greek syntax. Selected New Testament passages will be translated and interpreted. The student will be briefly introduced to the task of exegesis as it pertains to the effective proclamation of the Scriptures. Prerequisite(s): RELL 191, RELL 192. FALL

**RELL 465 - Topics in Biblical Languages—1-3 hours**

This course is designed to provide an exposure to a wide range of religious studies dealing with issues encountered in biblical languages and exegesis. The content will change as needed, so the course may be repeated once for credit. Open to all students. FALL | WINTER

**RELL 495 - Directed Study—1-3 hours**

See RELL 295 for course description.

**Professional Training****RELP 150 - Introduction to Ministry—2 hours**

An introduction to the basics of ministry, focusing on issues such as the call to pastoral or teaching ministry, Christ-centered living, personal spirituality, ethical behavior, relationships with others, concern for the lost, time management, and theological study. This course seeks to develop personal morality, spiritual growth, and practical life skills in ministers and teachers in training. Lab Fee: 8 (\$150). Prerequisite(s): Students whose major does not require this course must obtain permission from instructor and School dean. FALL | WINTER

**RELP 207 - Mission Practicum—0-1 hour**

An introduction to the fundamentals of evangelistic mission service. Fifteen hours of instruction and preparation for a three-week campaign delivering 19 doctrinal presentations to a pre-determined group outside the United States. Lab Fee: Variable as needed.

**RELP 240 - World Missions (R-4)—3 hours**

An introduction to world missions and mission strategies. This course introduces a theology of world mission, the history of missions, various philosophies of mission, including the Seventh-day Adventist philosophy and strategy of missions and the strategic implementation of mission in different cultural settings. Major religious, philosophical, and cultural traditions will be examined for the purpose of enhancing Christian outreach and cross-cultural evangelism. Upper-division students are expected to do additional research and writing besides the other class requirements. WINTER

**RELP 251 - Introduction to Youth Ministry (R-4)—3 hours**

This course will explore the biblical basis for a specialized ministry to children, youth, and young adults. The students will become acquainted with current research, contemporary approaches, and available resources to enhance ministry to youth. Practical experience in area churches will be required. FALL

**RELP 252 - Intermediate Youth Ministry (R-4)—3 hours**

This course will focus on principles and strategies for specialized ministry among adolescents in the local church. Practical experience in area churches will be required. WINTER, even years

**RELP 257 - Museum Education (SERV-2)—1 hour**

A study of the role, function, and outreach potential of the Lynn H. Wood Archaeological Museum in the community, with an emphasis on docent training and procedures, interpretive methods, and general principles of museum education. FALL

**RELP 264 - Christian Witnessing (R-4)—3 hours**

This course will focus on Christ's model of reaching people and how this approach can be integrated in one's spiritual life and implemented with interpersonal relationships and the sharing of the gospel. FALL

**RELP 265 - Topics in Professional Training—1-3 hours**

This course is designed to provide an exposure to a wide range of religious studies dealing with issues encountered in professional training. The content will change as needed, so the course may be repeated once for credit. Open to all students. FALL | WINTER

**RELP 266 - Evangelism Seminar—0-1 hour**

In this seminar course, students will gain exposure to key evangelism topics and learn from field experts how to do evangelism in a variety of contexts. Emphasis will be given to the cycle of evangelism and its application. Areas covered include health evangelism, urban evangelism, literature evangelism, foreign missions, education, small groups, and public evangelism. Lab Fee: 5 (\$60). FALL



**RELP 267 - Introduction to Christian Leadership—2 hours**

This course introduces principles of Christian leadership and how they can be applied to life and ministry. Using the Bible, Spirit of Prophecy, and contemporary leadership writings, students will develop their own personal framework for successful leadership. The strengths and weaknesses of various approaches are compared. Students are required to obtain hands-on leadership experience during the semester outside of the class as part of the course requirements. FALL

**RELP 270 - Interpersonal Ministry—2 hours**

Students whose major does not require this course must obtain permission from instructor and School dean. The development of listening skills and interpersonal communication in pastoral visitation, with special emphasis on revitalizing inactive members. Laboratory work in area churches will be required. Prerequisite(s): Three hours of religion courses. WINTER

**RELP 291 - Practicum (SERV-2)—1-3 hours**

Supervised practicum in various forms of ministry as individually designed for each student. The program and the supervisor must be approved by the School of Religion prior to registration. These programs will involve a minimum of 100 hours of instruction and activity for each hour of credit. This course may be applied to a religion minor but is not a substitute for RELP 466 - Public Evangelism (SERV-2) , or other general education requirements. (Pass/Fail). FALL | WINTER | SUMMER

**RELP 295 - Directed Study—1-3 hours**

This course is limited to School of Religion majors and must be approved by the School dean. Occasionally, the course may be conducted as a seminar and published in the schedule of classes. This course may be repeated for credit.

**RELP 321 - Introduction to Biblical Preaching—2 hours**

This introductory course examines the foundations for effective biblical preaching. Attention will be given to the call and preparation of the preacher, principles of biblical hermeneutics, the elements of sermon formulation, and principles of sermon delivery. A topical, biographical, or narrative sermon will be preached and analyzed in a peer-review setting. Prerequisite(s): COMM 135; RELL 221; Junior status or permission of the instructor. FALL

**RELP 322 - Intermediate Biblical Preaching—2 hours**

This course focuses on the preparation and delivery of expository sermons. Attention will be given to the discovery of the exegetical idea of the text, the formulation of the homiletical idea, and how to preach with conviction. Expository sermons will be preached and analyzed in a peer-review setting. Prerequisite(s): RELP 321; Junior status or permission of the instructor. WINTER

**RELP 338 - Missions and Health—2 hours**

See NURS 347 for course description. Lab Fee: 5 (\$60). This course is cross-listed with NURS 347 and SOCW 338. A student may receive credit for this course from only one program. FALL | WINTER

**RELP 340 - World Missions (R-4)—3 hours**

See RELP 240 for course description. WINTER

**RELP 354 - Introduction to Biblical Counseling and Conflict Resolution—3 hours**

This course is an introduction to the use of biblical counseling in church-related settings. Topics covered include the history, philosophy, and practice of biblical counseling. Applications are made to particular situations such as marriage counseling, addictions, anxiety, conflict resolution, sexual abuse, etc. Students will also receive certification in premarital counseling through Prepare-Enrich. This course is not designed as an introduction to professional counseling. Lab Fee: 6 (\$90). WINTER

**RELP 363 - Personal Evangelism (R-4) (SERV-2)—3 hours**

This course covers the principles and practice of one-to-one evangelism, including the use of different witnessing styles to attract people to Christ and His church. Special focus will be given to conducting effective Bible studies and working in local church outreach endeavors. FALL

**RELP 391 - Practicum (SERV-2)—1-3 hours**

See RELP 291 for course description. FALL | WINTER | SUMMER

**RELP 401 - Fundamentals of Biblical Preaching—3 hours**

A basic homiletics course focusing on the preparation and delivery of expository sermons. The student will learn and implement a ten-step method for sermon preparation and will preach it in a peer-review setting. The course is intended for students with no academic credit in preaching. Prerequisite(s): Permission of the School of Religion. SUMMER

**RELP 405 - Evangelistic Preaching (R-4)—1 hour**

This course concentrates on the development and delivery of distinctively Adventist messages, with emphasis on soul-winning decisions and the use of multi-media. This course is available to those who will take RELP 466 in the following summer. Prerequisite(s): COMM 135 and permission of instructor. WINTER

**RELP 423 - Advanced Biblical Preaching—2 hours**

This course explores further methods of biblical preaching, such as the narrative plot and the inductive sermon, all the while challenging the student to a complete reliance upon Word and Spirit. Preaching is set for specific needs, situations, and the development of a sermonic series. Sermons are preached and analyzed in a peer-review setting. Prerequisite(s): RELP 321, RELP 322. FALL

**RELP 435 - Levantine Ceramic Typology—1 hour**

A study of the ceramic typology of the Levant from the Chalcolithic to the Hellenistic periods with an emphasis on technology, form, and function. FALL

**RELP 450 - Church Ministry I—3 hours**

An introduction to church ministry, this course explores a biblical theology of church ministry, clergy, and laity roles and relationships, church administration, and the practice of some specific ministries in the local setting. Laboratory work in area churches is required. Prerequisite(s): RELP 150 or permission of the instructor and School dean. Senior status only. FALL

**RELP 452 - Church Ministry II—3 hours**

In this course, consideration is given to the personal as well as the professional life of the pastor, such as spiritual leadership, life management, worship ministry, priestly functions (baptisms, weddings, and funerals), denominational policy, church growth, and the empowerment of the Holy Spirit for ministry. The course includes the theology major exit exam. Laboratory work in area churches is required. Prerequisite(s): RELP 150 or permission of the instructor and School dean. Senior status only. WINTER

**RELP 465 - Topics in Professional Training—1-3 hours**

In this introductory course, Christ's model of personal evangelism will be emphasized, and attention will be given to the principles and practice of one-to-one evangelism with people of Christian, secular, and non-Christian backgrounds. The presentation of the gospel and giving of Bible studies is modeled in class, and laboratory experience is required of the student. FALL | WINTER

**RELP 466 - Public Evangelism (SERV-2)—3 hours**

Principles employed in preparing and conducting public evangelistic meetings are explored and experienced in connection with the Field School of Evangelism. The student learns how to plan and hold an evangelistic series, as well as visit with evangelistic interests. Consent from the School of Religion must be obtained before enrollment. Prerequisite(s): RELP 405 and acceptance as a ministerial trainee. SUMMER

**RELP 467 - Health Evangelism (R-4) (SERV-2)—2-3 hours**

A study of the concepts and methods of creating witnessing opportunities through taking advantage of the current interest in preventive health practices and lifestyle changes. The objective of these concepts and methods is to obtain decisions for a more abundant way of life and to lead men and women to Christ. The course also will provide future church leaders with practical ways to utilize the talents of members in health evangelism. Laboratory work in area churches and/or community settings is required. A 2-hour class will not complete the R general education area of 12 hours. This course is cross-listed with NRSRG 467. A student may receive credit for this course from only one program. WINTER

**RELP 495 - Directed Study—1-3 hours**

See RELP 295 for course description.

**Religion and Theology****RELT 138 - Adventist Heritage (R-2)—3 hours**

A study of the Second Advent Awakening in the nineteenth century and the subsequent development of the Seventh-day Adventist Church. Special emphasis will be placed on the contributory role in the church of the spiritual gift of prophecy through the life and ministry of Ellen G. White. FALL | WINTER | SUMMER

**RELT 139 - Adventist Heritage Tour (R-4)—1 hour**

This tour visits sites of major importance to the history of the Millerite movement and the founding of the Seventh-day Adventist Church. It also considers sites of significance to the context in which the Adventist Church arose. Course requirements include going on the tour and keeping a journal containing written reflections on various tour sites. Lab Fee: 16 (\$500). FALL

**RELT 177 - Christian Spirituality (R-1)—3 hours**

This course provides a basic introduction to Christian spirituality and spiritual growth. Using Christ as a model, key spiritual disciplines, such as prayer and Bible study, will be explored and applied as ways to enrich personal spirituality. Aspects of spiritual growth such as understanding grace, obedience, faith, and dependence on Christ will be explored from a biblical and practical perspective. FALL | WINTER

**RELT 201 - Biblical Principles for Daily Living (R-4)—3 hours**

A study of the biblical principles for restoring humankind to the image of God holistically, in the physical, intellectual, emotional, social, and spiritual dimensions. The principles studied cover many aspects of Christian living, including social relationships, lifestyle choices, ethical issues, stewardship, health, and spiritual growth. Students are encouraged to explore Scripture to discover these principles for themselves and learn how to apply them in their lives. FALL | WINTER

**RELT 225 - Last-Day Events (R-2)—3 hours**

A biblical, theological, and historical study of eschatology rooted in its Christ-centered focus. It considers the unique Seventh-day Adventist contribution compared to that of leading scholars, both in the past and present. Also it examines, among other movements, the New Age Movement and Dispensationalism and focuses on how to be ready for the end event. FALL | WINTER

**RELT 255 - Christian Beliefs (R-2)—3 hours**

A study of Adventist doctrines in a Christ-centered context. This course will involve a study of the major teachings, with a view to enhancing the student's understanding and ability to provide biblical support for his or her faith.

FALL | WINTER | SUMMER

**RELT 264 - Topics in Theological Studies—1-3 hours**

This course is designed to provide an exposure to a wide range of religious studies dealing with issues encountered in theology. The content will change as needed, so the course may be repeated once for credit. Open to all students.

FALL | WINTER

**RELT 295 - Directed Study—1-3 hours**

This course is limited primarily to School of Religion majors and must be approved by the dean of the School of Religion. Occasionally, the course may be conducted as a seminar and published in the schedule of classes. This course may be repeated for credit.

**RELT 317 - Issues in Physical Science and Religion (R-4)—3 hours**

See PHYS 317 for course description. This course is cross-listed with PHYS 317, PHYS 320, and RELT 320. A student may receive credit for this course from only one program. WINTER

**RELT 320 - Issues in Physical Science and Religion (R-4) (W)—3 hours**

See PHYS 317 for course description. This course is cross-listed with PHYS 317, PHYS 320, and RELT 317. A student may receive credit for this course from only one program. WINTER

**RELT 358 - World Religions (R-4)—3 hours**

A study of several major non-Christian religions, including a survey of the history and the distinctive characteristics of each. This course will also compare and contrast these religions, consider areas of commonality between them and biblical Christianity, and provide insights as to how to share Christianity with practitioners of these religions. This course requires readings from sacred texts and relevant literature in the field. This course is cross-listed with RELT 458. A student may receive credit for this course from only one program. Prerequisite(s): Junior or senior status only. FALL | WINTER

**RELT 373 - Christian Ethics (R-4)—3 hours**

A foundation course in moral decision making in the fields of bioethics, social ethics, and personal ethics. The objective is to discover timeless norms by which to make basic ethical decisions across the professional spectrum. These norms are then applied to issues relevant to the student. Limited to students required to take Ethics for their program or students with junior/senior class standing. FALL | WINTER

**RELT 421 - Issues in Science and Society (W) (R-4)—3 hours**

See BIOL 421 for course description. This course is cross-listed with BIOL 421, Biology Department. A student may receive credit for this course from only one program. FALL | WINTER

**RELT 439 - Prophetic Ministry of Ellen G. White (R-4)—2 hours**

Designed for majors in Theology, Pastoral Care, and Religious Education, this is a course on the life, and in particular, the prophetic ministry of Ellen G. White, one of the founders of the Seventh-day Adventist Church. Topics will include a biblical study of the gift of prophecy, an understanding of the process of revelation and inspiration, and conflict issues often faced by pastors, chaplains, and school teachers. Prerequisite(s): RELT 138; senior status; permission of instructor and school dean for non-majors. WINTER

**RELT 458 - World Religions (W) (R-4)—3 hours**

A study of several major non-Christian religions, including a survey of the history and the distinctive characteristics of each. This course will also compare and contrast these religions, consider areas of commonality between them and biblical Christianity, and provide insights as to how to share Christianity with practitioners of these religions. This course requires research and writing of a major paper. This course is cross-listed with RELT 358. A student may receive credit for this course from only one program. Prerequisite(s): Junior or senior status only. FALL | WINTER

**RELT 465 - Topics in Theological Studies—1-3 hours**

This course is designed to provide an exposure to a wide range of religious studies dealing with issues encountered in theology. Open to all students. The content will change as needed, so the course may be repeated once for credit.

FALL | WINTER

**RELT 467 - Christian Philosophy and Worldviews (R-4) (W)—3 hours**

A study of philosophical thinking as applied to understanding worldviews. Attention will be given to ancient philosophical systems and their influence on worldviews today. The student will also study current worldviews of Christian theism, deism, naturalism, nihilism, existentialism, Eastern Pantheistic monism, New Age philosophy, and postmodernism. This worldview understanding will be applied in case studies of contemporary movies. The criteria for evaluating all worldviews will be the Christian worldview in the context of the Adventist understanding of the great controversy. FALL | WINTER

**RELT 484 - Christian Theology I (R-4)—3 hours**

An in-depth study of the 28 Seventh-day Adventist Fundamental Beliefs to equip the student to know the doctrines of the church from Scripture and to present them to others. Prerequisite(s): Junior or senior status only. FALL

**RELT 485 - Christian Theology II (W) (R-4)—3 hours**

This course examines major theological issues, such as christology, pneumatology, anthropology, soteriology, ecclesiology, and eschatology to strengthen confidence in Scripture and to equip the student to preach with certainty. Prerequisite(s): RELT 484. WINTER

**RELT 495 - Directed Study—1-3 hours**

See RELT 295 for course description.

**Sociology****SOCI 125 - Introduction to Sociology (IN-8)—3 hours**

This general education course is designed to introduce students to the sociological study of society. Consideration is given to the systematic understanding of social interaction, social organization, social institutions and social change. FALL (face-to-face) | WINTER (online only) | SUMMER

**SOCI 150 - Cultural Anthropology—3 hours**

A study of culture and cultural variation. The contemporary beliefs, values, institutions, and material dimensions of people in North America are contrasted with those of people living in other regions of the world today and in the past. This course is cross-listed with SOCW 150. A student may receive credit for this course from only one program. FALL

**SOCI 224 - Social Psychology—3 hours**

See PSYC 224 for course description. This course is cross-listed with PSYC 224. A student may receive credit for this course from only one program. FALL

**SOCI 230 - Multicultural Relations—3 hours**

A study of interactional patterns among diverse human groups. Consideration is given to the theoretical bases of inter-group relations and to class activities which promote awareness and understanding. Lab Fee: 1 (\$10). This course is cross-listed with SOCW 230 and PSYC 231. A student may receive credit for this course from only one program. WINTER

**SOCI 233 - Human Sexuality—3 hours**

See PSYC 233 for course description. This course is cross-listed with PSYC 233 and SOCW 233. A student may receive credit for this course from only one program. WINTER

**SOCI 250 - Death and Dying—3 hours**

This course offers a unique and important perspective about cultural differences in death and dying. Personal attitudes and beliefs related to loss, dying, death, and bereavement will be explored. Cultural beliefs, rituals, ethnic groups are examined. Students enrolling for upper division credit will be required to write an application paper beyond the course requirements. Lab Fee: 1 (\$10). This course is cross-listed with SOCI 450, SOCW 250, SOCW 450, and PSYC 250. A student may receive credit for this course from only one program. FALL

**SOCI 265 - Topics in Sociology—1-3 hours**

Study of special topics pertinent to the field of sociology. Content will vary among various topics, based on the interests or needs of students and the department. This course may be repeated for credit. FALL | WINTER

**SOCI 294 - International Study Tour—3-6 hours**

The School of Social Work sponsors a study tour of Europe every other summer. The tour focuses on a comparison of cultures, historical and current issues, and social policies in order to facilitate a better understanding of diverse people (3-6 credits in one area). Lab Fee: 33 (\$3000). Additional fees are assessed to cover expenses. This course is cross-listed with SOCW 294, SOCI 494, and SOCW 494. A student may receive credit for this course from only one program. SUMMER

**SOCI 295 - Directed Study—1-3 hours**

Study of special topics pertinent to the area of sociology and family studies. Open to qualified students who want to follow a program in independent study. This course can be repeated for credit for a total of not more than three hours credit. Prerequisite(s): SOCI 125 or permission of the instructor.

**SOCI 296 - U.S. Study Tour—1-3 hours**

The School of Social Work sponsors a tour of New York City during Thanksgiving vacation. This trip focuses on ethnicity, social problems, urban change, and social agencies. Fees are assessed to cover the expenses of the tour. Lab Fee: 22 (\$1,100). This course is cross-listed with SOCW 296, SOCW 496, and SOCI 496. A student may receive credit for this course from only one program. FALL

**SOCI 349 - Aging and Society (W)—3 hours**

See PSYC 349 for course description. This course is cross-listed with PSYC 349 and SOCW 349. A student may receive credit for this course from only one program. FALL | WINTER | SUMMER

**SOCI 365 - Family Relations—3 hours**

A sociological analysis of family structures and functions. Attention will be given to courtship, family organization and interaction, family disorganization and reorganization, and the post-parental family. Emphasis will be given to findings of recent family studies. This course is cross-listed with SOCW 365. A student may receive credit for this course from only one program. WINTER

**SOCI 450 - Death and Dying—3 hours**

See SOCI 250 for course description. Lab Fee: 1 (\$10). This course is cross-listed with SOCI 250, SOCW 250, SOCW 450, and PSYC 250. A student may receive credit for this course from only one program. FALL

**SOCI 465 - Topics in Sociology—1-3 hours**

See SOCI 265 for course description. FALL | WINTER

**SOCI 494 - International Study Tour—3-6 hours**

See SOCI 294 for course description. Lab Fee: 33 (\$3000). Additional fees are assessed to cover expenses. This course is cross-listed with SOCI 294, SOCW 294, and SOCW 494. A student may receive credit for this course from only one program. SUMMER

**SOCI 495 - Directed Study—1-3 hours**

See SOCI 295 for course description. Prerequisite(s): SOCI 125 or permission of the instructor.

**SOCI 496 - U.S. Study Tour—1-3 hours**

See SOCI 296 for course description. Lab Fee: 22 (\$1,100). This course is cross-listed with SOCI 296, SOCW 296, and SOCW 496. A student may receive credit for this course from only one program. FALL

**Social Work****SOCW 150 - Cultural Anthropology—3 hours**

See SOCI 150 for course description. This course is cross-listed with SOCI 150. A student may receive credit for this course from only one program. FALL

**SOCW 201 - Parenting (SERV-2)—3 hours**

This course is cross-listed with PSYC 201. A student may receive credit for this course from only one program. WINTER

**SOCW 211 - Introduction to Social Work—3 hours**

This course provides an introduction to the knowledge, skills, and values necessary for generalist social work in contemporary society. Historical origins of the profession will be presented along with the unique experiences of diverse and at-risk populations affected by various social problems. Provides an overview of the range of public and private social services available for meeting these problems. FALL | WINTER

**SOCW 212 - Social Welfare as an Institution—3 hours**

Social welfare systems are viewed from both historical and philosophical perspectives. This course provides an overview of federal, state, local, and faith-based organizations and their impact on social issues and systems. Lab Fee: 4 (\$30). Prerequisite(s): SOCW 211 or consent of instructor. WINTER

**SOCW 213 - Interviewing Skills—3 hours**

This course is an introduction to principles and processes of interviewing and the development of a strong helping relationship. The course introduces the student to the knowledge, values, and practice skills of communication and relationship building. FALL | WINTER

**SOCW 225 - Marriage and the Family—3 hours**

See PSYC 223 for course description. This course is cross-listed with PSYC 223. A student may receive credit for this course from only one program. FALL

**SOCW 230 - Multicultural Relations—3 hours**

See SOCI 230 for course description. Lab Fee: 1 (\$10). This course is cross-listed with SOCI 230 and PSYC 231. A student may receive credit for this course from only one program. WINTER

**SOCW 233 - Human Sexuality—3 hours**

See PSYC 233 for course description. This course is cross-listed with PSYC 233 and SOCI 233. A student may receive credit for this course from only one program. WINTER

**SOCW 250 - Death and Dying—3 hours**

See SOCI 250 for course description. Lab Fee: 1 (\$10). This course is cross-listed with SOCI 250, SOCI 450, SOCW 450, and PSYC 250. A student may receive credit for this course from only one program. FALL

**SOCW 265 - Topics in Social Work—1-3 hours**

Study of special topics pertinent to the field of social work. Content will vary among various topics based on the interests or needs of students and the department. This course may be repeated for credit. FALL | WINTER

**SOCW 294 - International Study Tour—3-6 hours**

See SOCI 294 for course description. Lab Fee: 33 (\$3000). Additional fees are assessed to cover expenses. This course is cross-listed with SOCI 294, SOCI 494, and SOCW 494. A student may receive credit for this course from only one program. SUMMER

**SOCW 295 - Directed Study—1-3 hours**

A study of special topics pertinent to the field of social work. Content will vary among such topics as child welfare, income maintenance, values and ethics of social work practice, etc. The selected topic is pursued for the entire semester. This course can be repeated for credit for a total of not more than three hours credit. Prerequisite(s): SOCW 212.

**SOCW 296 - U.S. Study Tour—1-3 hours**

See SOCI 296 for course description. Lab Fee: 22 (\$1,100). This course is cross-listed with SOCI 296, SOCI 496, and SOCW 496. A student may receive credit for this course from only one program. FALL

**SOCW 309 - Social Work Practice with Individuals—3 hours**

This course provides students with theoretical framework for generalist social work practice. Topics include engagement, assessment, intervention, evaluation, utilization of resources, social work values and ethics. Work with individuals, primarily the micro dimension of social work practice, is emphasized in this first semester of a two-semester practice sequence. Prerequisite(s): Admission to the BSW program; BIOL 103; SOCW 211, SOCW 213. Social Work practice courses can only be taken by non-social work majors if ALL prerequisites have been completed. FALL

**SOCW 321 - Social Work Practice with Families and Groups—3 hours**

This course spans the mezzo dimensions of social work practice. Building on skills introduced in Social Work Practice with Individuals, students will engage in practice with families and small groups. Lab Fee: 2 (\$15). Prerequisite(s): SOCW 309. Corequisite(s): SOCW 323. WINTER

**SOCW 322 - Human Behavior and the Social Environment I (W)—4 hours**

First of a two-course HBSE sequence is a study on the reciprocal relationships between human behavior and the social environment from birth through young adulthood. Content will include empirically-based theories and knowledge that focus on the biological, sociological, cultural, psychological, and spiritual development of infants, children, adolescents, and young adults. The course will follow a life cycle model from a systems perspective. Prerequisite(s): Admission to the BSW Program; BIOL 103; SOCI 125; PSYC 122; SOCW 211. Corequisite(s): SOCW 309. FALL

**SOCW 323 - Human Behavior and the Social Environment II (W)—4 hours**

Second of a two-course HBSE sequence is a study on the reciprocal relationships between human behavior and the social environment from middle to later adulthood. Content will include empirically-based theories and knowledge that focus on the biological, sociological, cultural, psychological and spiritual development of middle and later adults. The course will follow a life cycle model from a systems perspective. Prerequisite(s): SOCW 322. WINTER

**SOCW 338 - Missions and Health—2 hours**

See NURS 347 for course description. Lab Fee: 5 (\$60). This course is cross-listed with NURS 347 and RELP 338. A student may receive credit for this course from only one program. FALL | WINTER

**SOCW 349 - Aging and Society (W)—3 hours**

See PSYC 349 for course description. This course is cross-listed with SOCI 349 and PSYC 349. A student may receive credit for this course from only one program. FALL | WINTER | SUMMER

**SOCW 365 - Family Relations—3 hours**

See SOCI 365 for course description. This course is cross-listed with SOCI 365. A student may receive credit for this course from only one program. WINTER

**SOCW 391 - Junior Field Practicum—1-3 hours**

This course requires students to participate in an observational learning experience in a social service agency for 40 hours during the semester. Immersion in the agency environment will give students an opportunity to expand their understanding of how human needs are met in social service agencies. This experience prepares students for SOCW 428. Corequisite(s): SOCW 321. FALL | WINTER | SUMMER

**SOCW 405 - Sexual Abuse Awareness and Prevention—1-3 hours**

This course will focus on various aspects of sexual abuse from a holistic, Christian perspective. Focus will be on awareness and prevention of sexual abuse. Topics include: overview of sexual abuse; rape and family violence; indicators and risk factors; physical and psychological effects; legal implications; disclosure and reporting, pornography and contemporary social issues; breaking the cycle; the role of the church in addressing sexual issues; and relevant community resources and interventions. This course is cross-listed with NURS 348 and PSYC 405. A student may receive credit for this course from only one program. WINTER

**SOCW 413 - Networking and Career Development—1 hour**

In this course, students will learn necessary professional tools for resume building, interviewing skills, internship success, and online portfolio development. Students will deepen their understanding of professionalism as it relates to internship opportunities and future employment. Corequisite(s): SOCW 309. FALL

**SOCW 421 - Senior Portfolio Seminar—1 hour**

Students demonstrate readiness to practice social work at the generalist level through the completion and defense of a professional portfolio. It will culminate in a portfolio defense. Pass/Fail. Lab Fee: 4 (\$30). Corequisite(s): SOCW 442. WINTER

**SOCW 428 - Social Work Practicum I (SERV-2)—3 hours**

This course provides opportunity for students to apply practice theory and to develop skills for generalist social work practice. Through participation in the social service delivery for generalist social work practice system, the student comprehends agency structures, functions, and programs. A minimum of 200 clock hours will be spent working in an agency setting. Social Work practicum courses can be taken ONLY by students accepted into the social work program. Prerequisite(s): SOCW 321. Corequisite(s): SOCW 434. FALL

**SOCW 429 - Social Work Practicum II (SERV-2)—3 hours**

This course builds on the experiences of the first semester practicum and progresses to more difficult and varied tasks. Social Work practicum courses can be taken ONLY by students accepted into the social work program. Prerequisite(s): SOCW 428. WINTER



**SOCW 434 - Social Welfare Issues and Policies—3 hours**

A study of contemporary issues and policies that influence the delivery of social services. Course requirements include an analysis of organizational, local, state, national, and international issues in social welfare policy and social service delivery, lobbying efforts with local and national elected officials, and interactions with community residents and stakeholders. Students will understand and implement change for the best interest of stakeholders and advocate for policies consistent with social work values. A social welfare policy study tour to Washington, DC or the State Capitol is required to complete the course. Lab Fee: 16 (\$500). Prerequisite(s): MATH 215; SOCW 212, SOCW 323; BUAD 128, ECON 213, ECON 224, or PLSC 224. FALL

**SOCW 441 - Integrative Seminar I—1 hour**

Integrative Seminar I is the companion course to be taken in conjunction with the Practicum I field-based course. This course is designed to provide a forum for providing mutual support, discussing and completing departmental assignments, exploring on-going practice concerns in the field practicum, and creating an arena in which peer learning takes place. Thus, it provides a vital link between the theoretical knowledge, skills, and values derived from the social work course work and the practice realities of the field practicum. Prerequisite(s): SOCW 321. Corequisite(s): SOCW 428, SOCW 434. FALL

**SOCW 442 - Integrative Seminar II—1 hour**

Integrative Seminar II is the companion course to be taken in conjunction with the Practicum II field-based course. It builds on the base provided by Integrative Seminar I. It provides the same forum for mutual support, discussing and completing departmental assignments, exploring ongoing practice concerns from the field practicum, and creates an arena in which peer learning takes place. This course creates this same atmosphere, but explores the same areas in more depth. An additional major emphasis in this second course is social work record keeping and agency based research. Prerequisite(s): SOCW 441. Corequisite(s): SOCW 429. WINTER

**SOCW 450 - Death and Dying—3 hours**

See SOCI 250 for course description. Lab Fee: 1 (\$10). This course is cross-listed with SOCI 250, SOCI 450, SOCW 250, and PSYC 250. A student may receive credit for this course from only one program. FALL

**SOCW 455 - Social Work Practice with Organizations and Communities—3 hours**

The course focuses on working with communities and organizations, the macro dimension of social work practice. Content includes; identifying problems, needs, resources, and assets found in organizations and communities; collecting, assessing, and evaluating information; and planning for service delivery within organizations and communities. Prerequisite(s): Admission to BSW program. WINTER

**SOCW 465 - Topics in Social Work—1-3 hours**

See SOCW 265 for course description. FALL | WINTER

**SOCW 494 - International Study Tour—3-6 hours**

See SOCI 494 for course description. Lab Fee: 33 (\$3000). Additional fees are assessed to cover expenses. This course is cross-listed with SOCI 294, SOCW 294, and SOCI 494. A student may receive credit for this course from only one program. SUMMER

**SOCW 495 - Directed Study—1-3 hours**

See SOCW 295 for course description. Prerequisite(s): SOCW 212.

**SOCW 496 - U.S. Study Tour—1-3 hours**

See SOCI 296 for course description. Lab Fee: 22 (\$1,100). This course is cross-listed with SOCI 296, SOCI 496 and SOCW 296. A student may receive credit for this course from only one program. FALL

**SOCW 498 - Research Methods I—3 hours**

This is the first of a two-course research sequence. It will examine the basic research design and methodologies commonly used in the social sciences. Both quantitative and qualitative approaches including single system design are examined along with an overview of relevant data analysis techniques. Ethical considerations for doing research with human subjects and vulnerable populations are explored. Prerequisite(s): MATH 215; BUAD 128, ECON 213, ECON 224, or PLSC 224. FALL

**SOCW 499 - Research Methods II—3 hours**

This is the second of a two-course research sequence. Students will conduct research relevant to social work practice using quantitative and qualitative approaches. This will include hands-on-experience in quantitative and qualitative data analytical methods and disseminating research findings. Prerequisite(s): SOCW 498. WINTER, hybrid

**Spanish****SPAN 101 - Elementary Spanish I—3 hours**

A foundation course in basic language skills. Students who have any background in Spanish language must take the language placement examination. Students should contact department for details on specific scores. This course develops listening and reading strategies with an emphasis on oral and written forms of communication. Laboratory work is required. Lab Fee: 3 (\$20). FALL

**SPAN 102 - Elementary Spanish II—3 hours**

This course is a continuation of the development of basic language skills. Oral and written communication are strongly emphasized. Laboratory work is required. Lab fee 3 will be assessed for this course. Lab Fee: 3 (\$20). Prerequisite(s): SPAN 101 or score a minimum of 296 on placement examination, or approval of the department. WINTER

**SPAN 103 - Spanish for Health Care Professionals—3 hours**

This course is designed for physicians, nurses, and other health professionals who need to communicate with Spanish-speaking clients. In this course, students will develop health-related vocabulary in context; situational dialogues and responses; communication patterns; body language; and higher understanding of specific expressions and responses commonly used by health professionals when interacting with Spanish-speaking clients. This course will not count toward any of the majors offered by the Modern Languages Department. Open to all but primarily for Allied Health, Nursing, Pre-Med, Wellness, and Social Work majors. Lab Fee: 3 (\$20).

**SPAN 207 - Intermediate Spanish I (SERV-2)—3 hours**

Continued emphasis on development of listening and speaking skills. There is, however, an increased emphasis on reading and writing skills through the study of short selections of Spanish literature. Laboratory work is required. Students may get credit for this course by passing a "Challenge Examination" with a grade of B or better. For information on this examination, students should refer to Southern's Catalog and/or Modern Languages faculty for details. Lab Fee: 3 (\$20). Prerequisite(s): SPAN 102 or score a minimum of 356 on a placement examination, or approval of the department. FALL

**SPAN 208 - Intermediate Spanish II (SERV-2)—3 hours**

This course maintains a strong emphasis on listening and speaking skills. Through reading of more extensive texts and informal writing as a support for speaking, it develops oral fluency and more effective narrative. Laboratory work is required. Students may get credit for this course by passing a "Challenge Examination" with a grade of B or better. For information on this examination, students should refer to Southern's Catalog and/or Modern Languages faculty for details. Lab Fee: 3 (\$20). Prerequisite(s): SPAN 207 or score a minimum of 440 on a placement examination or approval of the department. WINTER

**SPAN 243 - Composition and Conversation—3 hours**

An intensive course aiming at proficiency in understanding, speaking, reading, and writing in Spanish. This course is conducted in Spanish with a high emphasis on elaboration of formal writing. This course offers an opportunity for students to participate at a higher level of language fluency, both, oral and written. Prerequisite(s): SPAN 208 or approval of the department. FALL

**SPAN 265 - Topics in Spanish—1-3 hours**

Selected topics in Spanish presented in a classroom setting. Subject covered will determine how the course applies to the major. This course may be repeated for credit. FALL | WINTER

**SPAN 295 - Directed Study—1-3 hours**

A course emphasizing individual directed study. This course is for students who want to conduct independent research in a specific subject of modern languages. Faculty will assist student with selection of topic and serve as consultant for the project. This course is limited primarily to the department majors and must be approved by the Chair of Modern Languages.

**SPAN 354 - Hispanic Culture and Civilization (SERV-2)—3 hours**

A course designed to study the social, political, economic, artistic, intellectual, and religious aspects of Spanish-speaking society, their diversity of cultures, their interaction, and their past and present projection toward participation in a global arena. Prerequisite(s): SPAN 243 or approval of the department. WINTER

**SPAN 355 - Survey of Spanish Literature (W)—3 hours**

This course is designed to study the history and development of Spanish literature, the many factors affecting literary productions, and the analysis of contemporary Spanish society. As a survey, this course contemplates Medieval Spanish literary productions to present literary movements in Spain. Prerequisite(s): SPAN 243, ELIT 216 and MDLG 230 for Spanish/Spanish Teaching majors or approval of the department. FALL

**SPAN 356 - Survey of Spanish-American Literature (W)—3 hours**

This course is designed as a survey of Spanish-American literary production from travel writing in the Sixteenth Century to contemporary literary productions in the many cultures of countries understood as the Americas. Prerequisite(s): SPAN 243 and MDLG 230 for Spanish/Spanish Teaching majors or approval of the department. WINTER

**SPAN 465 - Topics in Spanish—1-3 hours**

See SPAN 265 for course description. FALL | WINTER

**SPAN 490 - Comprehensive Examination Preparation—1 hour**

This course is designed to provide academic support for Spanish majors who will be taking the MCE required for graduation. One member of the faculty will meet with the student regularly to provide the opportunity to cover material pertinent to this examination. Spanish majors must take this course prior to graduation in the last semester. Results of the MCE will be the final grade for this course. FALL | WINTER

**SPAN 495 - Directed Study—1-3 hours**

See SPAN 295 for course description.



## Technology

### TECH 114 - Oxy-Acetylene Welding—1 hour

Gas welding and brazing of sheet metal in preparation for typical body shop welding jobs. Personal safety glasses required. Certain specialized welding processes will be taught, such as TIG, cast iron, or others to be arranged on an individual basis. Lab Fee: 4 (\$30). WINTER

### TECH 115 - Arc Welding (SERV-2)—2 hours

A course designed to give basic understanding of arc welding processes. Emphasis will be given to MIG as well as conventional stick welding. One project required that will be donated to the Samaritan Center or similar organization. Each student must purchase safety glasses and welding gloves. Lab Fee: 5 (\$60). FALL

### TECH 121 - Construction Safety—2 hours

This course addresses the application of safety principles in construction with emphasis on the Occupation Safety and Health Act of 1970. The OSHA 30 certification online course is part of this Class. Lab Fee: 10 (\$210). FALL

### TECH 122 - Woodworking for Artists—1 hour

A study of woodworking shop safety, hand and machine tools, jointery, and proper methods of picture frame and stretcher construction. One period lecture and one period laboratory each week. Lab Fee: 4 (\$30). FALL | WINTER

### TECH 128 - Beginning Blacksmithing—1 hour

This course will cover the basics of the craft of blacksmithing and shop safety. Topics will include fire building and management, hammer techniques to shape steel, other tools used to shape steel and the making of some of those tools, and forge welding. The student will take a validation exam to demonstrate competency in the class.

### TECH 133 - Plumbing-Residential—1 hour

A practical overview primarily focused on the essential components, fundamental concepts, and design/code considerations of residential plumbing from a trade and management perspective. Lab Fee: 12 (\$300). WINTER, odd years

### TECH 135 - Finishes-Drywall, Painting, Tile, and Trim Work—1 hour

A practical overview primarily focused on the essential components, fundamental concepts, and design/code considerations of residential finishes from a trade and management perspective. WINTER, odd years

### TECH 137 - HVAC and Insulation—3 hours

A practical overview primarily focused on the essential components, fundamental concepts, and design/code considerations of residential HVAC (heating, ventilating, and air conditioning) from a trade and management perspective. Emphasis will also be placed on calculating heat/AC loads and their relationship to a building's thermal efficiency (insulation). WINTER, odd years

### TECH 138 - Practical Technology for Developing Countries—2 hours

This course covers technologies that third world countries desperately need and that service organizations required to effectively help in devastated areas. This class is hands on and very practical.

### TECH 140 - Structures and Analysis I—2 hours

An introductory course in the calculated analysis of forces acting on a structure in equilibrium and the reactive structural behavior to those forces. Topics covered may include, but not be limited to: resultants, moment, load paths, equilibrium, free body diagrams, friction, center of gravity, moment of inertia, stress and strain. Lab Fee: 4 (\$30). FALL, even years

### TECH 147 - Methods and Materials of Construction—2 hours

This course is designed to provide the students with an understanding of the most commonly used materials in the construction industry, their inherent and manipulated properties, and industry applications. The history and development of materials will also be considered. Individual and group projects related to the studied materials will provide hands-on manipulation and personal creativity. Field trips will be scheduled to supplement student exposure and learning. Lab Fee: 1 (\$10). WINTER, even years

### TECH 149 - Introduction to Mechanical Drawing and CADD—3 hours

An introductory level course in Computer-Aided Drafting Design (CADD) using AutoCAD software in orthographic projection, surface development, sectioning, pictorial representation, dimensioning, and working drawings. Drawings plotted to scale on A, B, C, and D size paper. Six periods of laboratory each week. Lecture as announced by the instructor. Lab Fee: 3 (\$20). This course is cross-listed with ENGR 149. A student may receive credit for this course from only one program. FALL

### TECH 151 - Introduction to Architectural Drafting and CADD (SERV-2)—3 hours

An introduction to skills and basic knowledge of architectural drafting. Emphasis is on lettering, orthographic projection, parallel line pictorial drawings, shades and shadows, and perspective drawing. Open to all students. Lab Fee: 2 (\$15). FALL

### TECH 152 - Structures and Analysis II—2 hours

A continued study in the calculated analysis of forces acting on a structure in equilibrium and the reactive structural behavior to those forces. Topics covered may include, but not be limited to: stress and strain, torsion, shear forces, bending moments, deflection. Design calculations will be considered for beams, columns, and connections with consideration given based on the properties of different materials. Lab Fee: 4 (\$30). Prerequisite(s): TECH 140. WINTER, odd years

**TECH 154 - Woodworking (SERV-2)—3 hours**

A study of hand and machine tools, joinery, and proper methods of furniture construction. The required introductory project will be donated to a charitable organization such as the Samaritan Center. One period lecture, six periods laboratory each week. A supplies fee will be charged for the cost of the materials used in project construction. Lab Fee: 4 (\$30). FALL | WINTER

**TECH 157 - Electrical, Mechanical and Finishes II—2 hours**

A practical overview primarily focused on the principles and practice of finish installations of a construction project from a trade and management perspective. Topics will include but not be limited to insulation, sheetrock, interior trim, floor coverings, paint, cabinets, and installation of electrical, plumbing, and HVAC fixtures. Local codes will be considered as required. Hands-on experience provided through real building project. Lab Fee: 10 (\$210).

**TECH 164 - Automotive Maintenance—2 hours**

A course designed to help the car owner become knowledgeable in the matters of buying, servicing, and maintaining the auto. The student will work on his own car or on one belonging to the shop. One period lecture and three periods laboratory each week. Lab Fee: 4 (\$30). FALL | WINTER

**TECH 166 - Auto Electrical Systems—2 hours**

A course designed to give a basic understanding of automotive electrical systems. Basic electrical principles and troubleshooting techniques will be taught. Emphasis will be given to lighting, charging, starting and accessory systems. One period lecture, three periods lab per week. Lab Fee: 10 (\$210). FALL

**TECH 167 - Suspension, Steering and Alignment—3 hours**

A course designed to give understanding of automotive suspension and steering systems. Chassis service, repair, and troubleshooting will be taught. Alignment of both two and four wheel alignment systems will be taught. One and a half period lecture and four and a half hours of labs per week. FALL

**TECH 168 - Manual Drive Train, and Axles—3 hours**

A study of manual drive train operation, diagnosis and repair, clutches, manual transmissions and transaxles. Repair of differentials and transfer cones will be taught as well as four wheel drive theory, operation, and service. FALL

**TECH 169 - Automotive Brakes—3 hours**

A study of brake system operations, troubleshooting, and repair. Conventional and antilock brake systems will be taught. FALL

**TECH 170 - Carpentry-Residential—3 hours**

A practical overview primarily focused on the essential components, fundamental concepts, and design/code considerations of residential carpentry from a trade and management perspective. We will be covering all aspects of house framing and of building decks. Lab Fee: 12 (\$300). WINTER

**TECH 175 - Engine Rebuilding and Machining—4 hours**

A course designed to acquaint the student with major engine diagnosis, decision making and overhaul procedures. Machining and measuring processes related to engine rebuilding will be taught. Each student will be required to rebuild an engine and do engine machine work. Two periods lecture, six periods of lab per week. Lab Fee: 22 (\$1,100). WINTER

**TECH 178 - Heating and Air Conditioning—2 hours**

A course designed to teach the principles of heating and air conditioning systems. Emphasis will be given to service and trouble shooting of manual and automatic heating systems of late model cars. One period lecture, three periods lab per week. WINTER

**TECH 179 - Principles of Concrete and Masonry Construction—3 hours**

A practical overview primarily focused on the essential components, fundamental concepts, and design/code considerations of residential concrete and masonry from a trade and management perspective. Lab Fee: 12 (\$300). FALL, odd years

**TECH 180 - Real-Estate Development—2 hours**

This course is designed to provide skills in identifying the attributes of real estate that lead to successful development. It will emphasize site selection, through physical inspections looking at topography, hydrology and orientation to the sun, research of prior ownership and use, research on zoning ordinances. This course will also develop skills in acquisition financing, development and sale of the completed property. Lab Fee: 5 (\$60). FALL, even years

**TECH 183 - Basic Electronics—3 hours**

An introductory course to the properties of electricity/electronics as they pertain to AC and DC electrical circuits and devices such as diodes, transistors and integrated circuits. Intended to introduce the beginning student to the field of electronics. Two three-hour lecture/labs each week.

**TECH 230 - Automatic Transmission—3 hours**

A course designed to give understanding of automatic transmissions, transaxle overhaul and troubleshooting. Transmission removal, installation, rebuilding, and service will be taught. One hour lecture and five hours lab time per week. WINTER

**TECH 244 - Graphic Production—3 hours**

This course is designed to meet the needs of Public Relations, Graphic Design, Journalism and Communication students who will be working with a print service provider. Students will be working (hands on) with real printing jobs, selecting paper, ink, image carriers, offset or digital presses, and screen printing to print materials from single color to four color process. The knowledge and experience gained from this class will be most beneficial in planning a print job for a service provider. Lab Fee: 7 (\$120). Prerequisite(s): ARTG 238 or JOUR 208 or permission of instructor.

**TECH 248 - CADD Mechanical—3 hours**

This course covers the application of CAD skills using AutoCAD software to the areas of architecture, structural design, pipe, welding, fasteners, pattern development, cams and gears and map drafting. Six periods of laboratory each week. Lecture as announced by the instructor. Lab Fee: 2 (\$15). Prerequisite(s): TECH 149 or TECH 151. FALL, even years

**TECH 253 - Residential Construction Codes—3 hours**

The International Residential Code is covered in the order a residential building, from site-work and foundations to fire-safety and environmental requirement of a finished residence including requirements for plumbing, mechanical, fuel gas, and electrical systems. FALL

**TECH 254 - Furniture Design and Construction—3 hours**

Emphasis will be placed on the design and techniques necessary to construct a quality piece of furniture. Two-three hour lecture/lab each week. A supplies fee will be charged for the cost of the materials used in project construction. Lab Fee: 4 (\$30). Prerequisite(s): TECH 154. FALL | WINTER

**TECH 264 - Automotive Repair—3 hours**

A course designed to give basic understanding of the automobile. Main emphasis is given to power plant and drive train design, operation and service. One period lecture and three periods laboratory each week. All lab learning experience is on actual cars either from the community or personal vehicles. FALL

**TECH 265 - Topics in Technology—1-3 hours**

Topics selected from areas of technology not covered in other courses. May be repeated with permission. FALL | WINTER

**TECH 270 - Service in Construction (SERV-2)—1-2 hours**

An integrated application for development and reinforcement of trade and/or management skills through service initiatives. Students, collaboratively with the construction management instructor will seek out, select, arrange, and participate in service activities that engage and challenge the utilization of elements from their construction management education and through which immediate benefits are brought to others. To be at least 50 documented hours per credit hour completed during the semester taken. Activity involvement outside the semester may count toward the 50 hours needed at the discretion of the instructor. Submission of the two-year portfolio required for successful completion. May be taken for 1 or 2 credits. Prerequisite(s): Second year Construction Management major and instructor approval.

**TECH 272 - 3-D Modeling Software—2 hours**

This course teaches the use of various drafting software options and apps. This course is cross-listed with TECH 372. A student may receive credit for this course from only one program.

**TECH 274 - Estimating and Automotive Business Practices—2 hours**

A course in estimate writing, customer relations, and business practice in an automotive shop. Training in how to use an estimated labor time guide as well as parts purchasing will be included. Prerequisite(s): Minimum of 25 hours of Auto courses. WINTER

**TECH 276 - Engine Performance and Computers—3 hours**

Electronic and computerized ignition systems operating theory will be emphasized. Each student will be taught drivability diagnosis and troubleshooting techniques for electronic and computerized systems. Hands on diagnosis practice using diagnostic equipment on live vehicles will be given. FALL

**TECH 277 - Engine Fuel and Emission Controls—4 hours**

Both carburetor and fuel injection operation theory, and standard and electronic carburetion systems theory will be covered. Fuel injection diagnosis and repair as well as carburetor overhaul procedures will be taught. Emission control operation as well as trouble shooting and service procedures will be taught. FALL

**TECH 278 - History of Architecture—3 hours**

Studies of the history of architecture and urban design. Focus on religious and secular monuments and their settings. Domestic architecture and infrastructure, regional constructional, and compositional traditions from ancient, medieval, and renaissance through to the present. FALL | WINTER

**TECH 291 - Practicum—1-3 hours**

Supervised work experience in Auto Body or Auto Service. Procedures and guidelines are available from the department. The required hours are 50 hours per credit hour. Prerequisite(s): Departmental approval and completion of 27 semester hours of Technology classes. FALL | WINTER

**TECH 295 - Directed Study—1-3 hours**

The study of a specific problem in the field of Technology. A written report of the problem may be required by the supervising instructor. Open only to those earning a minor in Technology.

**TECH 299 - Advanced Engine Performance—3 hours**

A course in advanced electronic and computerized engine control system theory and diagnostics. On board diagnostics II on 1995 and later vehicles will be taught. Lab experience will include scan tool and lab scope usage in diagnosing OBDII systems. Prerequisite(s): TECH 276 or equivalent. WINTER

**TECH 328 - Advanced Architectural Drafting—3 hours**

This course covers all aspects of the development of working drawings for complete sets of plans for residential and commercial construction. Students will use up-to-date CAD software and develop the skill to complete such plans efficiently. One hour of lecture and two hours of lab. Lab Fee: 2 (\$15). Prerequisite(s): TECH 151 or equivalent.

**TECH 332 - Electrical-Residential—3 hours**

A practical overview primarily focused on the essential components, fundamental concepts, and design/code considerations of residential electrical wiring from a trade and management perspective. Lab Fee: 12 (\$300). FALL, even years

**TECH 348 - 3D CAD Drafting—3 hours**

This course is designed to give the student hands-on experience with modern 3D drafting software to produce architectural elevations, perspective drawings, walk-through animations, and presentations for applications in architectural drafting. One hour lecture and two hours of lab. Lab Fee: 2 (\$15). Prerequisite(s): TECH 151 or equivalent.

**TECH 352 - Construction Estimating-Commercial—3 hours**

Commercial cost planning techniques will be taught including overhead, labor, materials, and hidden costs. How to schedule to efficiently utilize the work for subcontractors will be taught, along with bid preparation and cost analysis of materials and profit margins. Lab Fee: 12 (\$300). Prerequisite(s): Construction Estimating-Residential and must be junior or senior in the CM program. WINTER

**TECH 354 - Furniture Design and Construction—3 hours**

See TECH 254 for course description. Lab Fee: 4 (\$30). Prerequisite(s): TECH 154. FALL | WINTER

**TECH 355 - Construction Estimating-Residential—3 hours**

Commercial and residential cost planning techniques will be taught including overhead, labor, materials, and hidden costs. How to schedule to efficiently utilize the work for subcontractors will be taught, along with bid preparation and cost analysis of materials and profit margins. WINTER

**TECH 362 - Construction Contract Administration—3 hours**

Surveys, administrative procedures of general and subcontractors. Studies documentation, claims, arbitration, litigation, bonding, insurance, and indemnification. Discusses ethical practices. Lecture and field trips. Lab Fee: 3 (\$20). FALL, even years

**TECH 372 - 3-D Modeling Software**

See TECH 272 for course description. This course is cross-listed with TECH 272. A student may receive credit for this course from only one program.

**TECH 374 - Diesel Engines—3 hours**

Study of diesel operational theory and repair; includes types of engines, fuel injection systems, air induction systems, exhaust systems, cooling systems, starting systems and controls. Recommended TECH 277. Prerequisite(s): TECH 166, TECH 175, TECH 264, TECH 276. FALL

**TECH 375 - Engine Rebuilding and Machining—4 hours**

See TECH 175 for course description Lab Fee: 22 (\$1,100). WINTER

**TECH 376 - Automation and Robotics—4 hours**

Basic elements and principles of computer integrated manufacturing including terminology, computer hardware/software and interfacing, system integration, flexible manufacturing, and robotic applications.

**TECH 377 - Engine Performance and Computers—3 hours**

See TECH 276 for course description. WINTER

**TECH 465 - Topics in Technology—1-3 hours**

See TECH 265 for course description. FALL | WINTER

**TECH 480 - Construction Management Senior Project—3 hours**

This project will be a "capstone" or culminating activity that will draw from all the coursework studied in the Construction Management program. This project will show how much the final project will cost and how long it will take to build. Lab Fee: 7 (\$120). Prerequisite(s): Must be a senior in the CM program. Entry by instructor approval only. WINTER

**TECH 491 - Advanced Practicum—2 hours**

Supervised work experience in Auto Service. Procedures and guidelines are available from the department. The required hours are 50 hours per credit hour. Prerequisite(s): Completion of TECH 291. Practicum and departmental approval required. FALL | WINTER

**TECH 492 - Internship—3 hours**

Supervised work experience in architectural or mechanical drafting. Procedures and guidelines are available from the department. Prerequisite(s): Departmental approval and completion of 21 semester hours of Technology courses. FALL | WINTER

**TECH 495 - Directed Study—1-3 hours**

See TECH 295 for course description.

**Vegetarian Culinary Arts****VGCA 101 - Professional Cooking: Vegetarian Main Dishes and Entrees I—1 hour**

This course explores the diverse variety of entrée options available to meet nutritional needs in a vegetarian kitchen, while practicing preparation, plating, and garnishing techniques. Lab Fee: 9 (\$180). Pre- or Co-requisite: VGCA 151. WINTER

**VGCA 103 - Introduction to Culinary Fundamentals—2 hours**

Introduction to Culinary Fundamentals introduces the concepts, skills, and techniques used in a professional kitchen. Students practice mise en place, basic knife skills, and safe food and equipment handling as they prepare breakfast and brunch menu items. Lab Fee: 13 (\$325). Pre- or Co-requisite: VGCA 151. FALL

**VGCA 109 - Professional Cooking: Soups, Sandwiches and Salads I—1 hour**

This course draws on the rich flavors provided by fresh produce, herbs, and seasonings for the preparation of vegetarian stocks, soups and sauces. Students also develop skills in the preparation and production of sandwiches and salads while practicing techniques to present visually appealing menu items for a variety of venues. Lab Fee: 9 (\$180). Pre- or Co-requisite: VGCA 151. WINTER

**VGCA 113 - Professional Cooking: Desserts—1 hour**

This course covers the basic theory and skill sets for the preparation of desserts such as custards, sauces, meringues, soufflés and frozen desserts. Topics covered include the use of dessert making equipment, as well as a variety of ingredients and their specific function. Lab Fee: 10 (\$210). Pre- or Co-requisite: VGCA 151. WINTER

**VGCA 117 - Professional Cooking: Vegetables, Grains and Side Dishes I—1 hour**

This course introduces students to the selection and preparation of a variety of vegetables and grains, using moist heat cooking methods such as boiling, steaming, braising, stewing, poaching and blanching. Lab Fee: 9 (\$180). Pre- or Co-requisite: VGCA 151. FALL

**VGCA 121 - Professional Cooking: Fresh and Raw I—1 hour**

Students explore a variety of techniques including juicing, dehydrating, fermenting, sprouting and blending to create a wholesome, dynamic cuisine. Fresh fruits, vegetables, nuts, grains and sprouts are featured in the raw food repertoire. Lab Fee: 8 (\$150). Pre- or Co-requisite: VGCA 151. FALL

**VGCA 125 - International Ethnic Cuisines: The Americas I—1 hour**

This course examines the factors such as geography, culture and history that have influenced the cuisines of the culinary regions of America. By learning what factors contributed to each cuisine, students develop a deeper understanding of what makes it unique. Regional recipes are adapted to fit a vegetarian lifestyle. Lab Fee: 9 (\$180). Pre- or Co-requisite: VGCA 151. FALL

**VGCA 135 - Professional Cooking: Baking—1 hour**

In this course students learn the science of baking a variety of quick, yeast, artisan and specialty breads. Essential baking skills are developed as students prepare and bake loaves, rolls, and artisan breads. The importance of ratios and the function of ingredients in producing quality and consistent baked products is emphasized, as well as the ability to diagnose and respond to faults in bread production. Lab Fee: 9 (\$180). Pre- or Co-requisite: VGCA 151. FALL

**VGCA 140 - Professional Cooking: Beverages I (Elective)—1 hour**

Students develop the ability to select ingredients and equipment to make and present hot and cold beverages. A range of methods are employed to explore beverages from around the globe. Lab Fee: 8 (\$150). Pre- or Co-requisite: VGCA 151. WINTER, odd years

**VGCA 142 - Professional Cooking: Fish and Poultry (Elective)—1 hour**

This course introduces the principles of meat cookery as it applies to fish and poultry. Students select appropriate equipment and a variety of cooking methods such as steaming, stewing, poaching, pan frying, broiling, grilling and roasting. Current trends of plating and presentation are practiced. Lab Fee: 9 (\$180). Pre- or Co-requisite: VGCA 151. WINTER, even years

**VGCA 144 - Professional Cooking: Beef (Elective)—1 hour**

This course introduces the principles of meat cookery as it applies to beef. Students select appropriate equipment and a variety of cooking methods such as searing, stewing, braising, roasting, grilling, and baking. Current trends of plating and presentation are practiced. Lab Fee: 9 (\$180). Pre- or Co-requisite: VGCA 151. FALL, odd years

**VGCA 146 - Professional Cooking: Appetizers I (Elective)—1 hour**

Students will develop knowledge and practical skills to select ingredients and equipment for the preparation and artful presentation of a variety of appetizers. Focus is on appropriate portion control, temperature, color and texture, as well as current trends to plating and presentation of food items. Lab Fee: 9 (\$180). Pre- or Co-requisite: VGCA 151. FALL, even years

**VGCA 151 - Food Safety and Sanitation—2 hours**

This course teaches current food safety practices which include the handling, preparation and storage of food in ways that prevent foodborne illness. Students learn to create a culture of food safety in the kitchen. ServSafe certification is a requirement for completion of the course. Lab Fee: 6 (\$90). FALL

**VGCA 173 - Introduction to Menu Development and Operational Procedures—3 hours**

In this course students apply the skills of professional menu development for a variety of operations. Learning focuses on the importance of using the proper tools and documents to control cost and analyze sales. This course explores various food service concepts including methods of evaluating business success. Lab Fee: 7 (\$120). WINTER

**VGCA 175 - Introduction to Culinary Supervision and Management—2 hours**

This course covers various aspects of organizational policies, plans and procedures in the food industry. Employment laws, payroll practices and ethical principles are explored. Learning is focused on promoting team commitment and cooperation, and dealing effectively with problems and conflict. WINTER

**VGCA 181 - Introduction to Marketing for Culinary Professionals—1 hour**

This course covers basic marketing strategies essential for understanding how to be successful as a culinary professional. Learning focuses on developing a personal marketing plan, which includes a resume, professional portfolio, and individualized business plan. Lab Fee: 5 (\$60). FALL

**VGCA 190 - Health Benefits of Vegetarian Diets—1 hour**

This course examines a variety of vegetarian diets, exploring different dietary patterns such as lacto-ovo, vegan, and whole foods. Students establish the value of the vegetarian lifestyle by exploring current scientific research. FALL

**VGCA 202 - Professional Cooking: Main Dishes and Entrees II—1 hour**

Students continue to develop skills necessary to prepare healthy vegetarian entrees using wholefoods while exploring traditional ethnic origins of vegetarian cuisines from around the world. Lab Fee: 9 (\$180). Prerequisite(s): VGCA 101. Pre- or Co-requisite: VGCA 151. FALL

**VGCA 218 - Professional Cooking: Vegetables, Grains and Side Dishes II—1 hour**

Students continue to expand their knowledge in the preparation of vegetables and grains using dry heat and other advanced techniques. Methods of enhancing flavor with the addition of marinades, rubs, sauces, smoke etc. will be explored. Lab Fee: 9 (\$180). Prerequisite(s): VGCA 117. Pre- or Co-requisite: VGCA 151. WINTER

**VGCA 226 - International and Ethnic Cuisines: Europe and Asia I—1 hour**

Students explore the cuisines found throughout Europe and Asia, focusing on the development of the cuisine and the many issues that molded and influenced it. Common food ingredients and flavorings, cooking methods, and general characteristics are examined. Lab Fee: 9 (\$180). Pre- or Co-requisite: VGCA 151. WINTER

**VGCA 235 - Professional Cooking: Pastry and Pies—1 hour**

This course covers basic theory, skill sets, equipment and techniques specific to pastries, pies and tarts. Students learn the importance of ratios and the function of ingredients in producing a creative and quality product, as well as how to respond to product and process faults. Lab Fee: 9 (\$180). Prerequisite(s): VGCA 135. Pre- or Co-requisite: VGCA 151. FALL

**VGCA 237 - Professional Cooking: Cake Production and Presentation—1 hour**

Students are introduced to a range of cakes and their preparation methods, such as creaming, folding and blending, as well as how to respond to product and process faults. Students work with chocolate, frostings, glazes, fondant, etc. as they learn cake decorating skills. Lab Fee: 10 (\$210). Prerequisite(s): VGCA 135. Pre- or Co-requisite: VGCA 151. WINTER

**VGCA 265 - Topics—1-3 hours**

Topics selected from the culinary field not covered in other courses. This course may be repeated for credit. FALL|WINTER

**VGCA 269 - Cooking for Special Diets—1 hour**

This course explores recipe modification and ingredient substitution to adapt traditional recipes for special diets. An emphasis is placed on the skills and knowledge needed to prepare for vegan, gluten free, and those with allergies. Lab Fee: 8 (\$150). Pre- or Co-requisite: VGCA 151. WINTER

**VGCA 293 - Vegetarian Culinary Arts Internship—1-4 hours**

Students are required to participate in the 400-hour internship program which is structured learning in the workplace. This enables students to develop appropriate attitudes towards work, experience participating in industry standards, and practice the skills acquired in the classroom. Internship placement assistance will be provided, giving the student an opportunity to explore the culinary field in an area of their interest, such as a restaurant, hospital, school, bakery, etc. FALL | WINTER | SUMMER

**VGCA 295 - Directed Study—1-3 hours**

The content of this course will be adjusted to meet the particular needs of the student. This course may be repeated for credit. Approval of Dean required.

# University Registry

## Board of Trustees

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## UNIVERSITY ADMINISTRATION

### President

David Smith, Ph.D. (2016), President

Barb Edens, B.S. (2012), Director, Strategic Planning

### Information Systems

Gary Sewell, B.S. (2012), Associate Vice President, Information Technology

Herdy Moniyung, M.S. (1999), Director, Integration and Development

Doru Mihaescu, M.B.A. (1997), Associate Director, Infrastructure

Mike McClung, B.A. (1996), Assistant Director, Workstation Support

Brielle Bange, (2018), Systems Analyst

Randi Buhl, A.A. (2001), Network Analyst

Luke Dunzweiler, B.S. (2016), Network Analyst

Paul Irwin, B.S. (2011), Software Developer

Shaina Mercer, B.A. (2017), Systems Analyst

Ron Miller, B.S. (1995), Systems Administrator

Miguel Rivas, M.S. (2012), Software Developer

Josh Rhodes, M.B.A. (2006), Network Analyst

Derek Sherbondy, B.S. (2007), Network Analyst

### Institutional Research and Planning

Chris Hansen, Ph.D. (1996), Director, Institutional Research and Planning

Michele McFarlane, M.S.I.S. (2011), Business Intelligence Analyst



### **Academic Administration**

Robert Young, Ph.D. (2007), Senior Vice President, Academic Administration  
 Dionne Felix, Ph.D. (2018), Associate Vice President, Academic Administration

### **Center of Teaching Excellence and the Integration of Faith and Learning**

Cynthia Gettys, Ph.D. (2013), Director  
 Robert Overstreet, Ph.D. (2019), Associate Director

### **Graduate Studies**

Tyson Hall, Ph.D., (2005), Dean, Graduate Studies  
 Laurie Gauthier, M.B.A. (2008), Director, Graduate Marketing  
 Michelle Younkin, M.B.A. (2016), Director, Graduate Admissions and Academic Progress  
 Ben Thompson, M.B.A. (2016), System Specialist

### **Library**

Deyse Bravo, M.L.S. (2011), Director, Library  
 Sonja Fordham, Ph.D. (2014), Director, Writing/Tutorial Center  
 Stanley Cottrell II, M.L.S. (2004), Technical Services Librarian  
 Melissa Hortemiller, M.S.L.S. (2020), Public Services Librarian  
 Donald Martin, M.S.L.S. (2014), Digital Resources Librarian  
 Seth Shaffer, M.S. (2013), Evening Reference/Periodicals Librarian  
 Jessica Spears, M.Ed. (2013), Research Services Librarian

### **Online Campus**

Gus Martin, Ph.D. (2019), Director, Academic Technology and Online Learning  
 Polina Kadatska, Ph.D. (2019), Curriculum Development Specialist  
 Greg Merchant, B.S. (2012), Technology Manager

### **Records and Advisement**

Karon Powell, J.D. (2015), Director, Records and Advisement  
 Sharon Rogers, M.Ed. (1977), Assistant Director, Records and Advisement  
 Sandy Tucker, B.S. (1997), Assistant Director, Records and Advisement  
 Lisa Hess, B.S. (2010), Manager, Transcripts  
 Omar Mendez (2017), Data Analyst  
 Tami Wery, A.S. (2009), Manager, Registration

### **Advancement**

, Vice President, Advancement  
 Robert Bovell, B.S. (2013), Associate Director, Advancement  
 Lucas Patterson, B.A. (2011), Associate Director, Strategic Partnerships  
 Kenny Turpen, B.S. (2013), Associate Director, Advancement  
 Sandra Delgado, (2019), Annual Giving Coordinator

### **Alumni Relations**

Evonne Crook, B.A. (1980), Director, Alumni Relations  
 Ashley Fox, B.S. (2015), Assistant Director, Alumni Relations

### **Planned Giving**

, Director, Planned Giving

### **WSMC FM90.5**

Scott Kornblum, B.S./B.A. (2005), Director, WSMC

### **Financial Administration**

Tom Verrill, M.S. (2008), Senior Vice President, Financial Administration  
 Doug Froom, M.S. (2001), Executive Director, Budgeting and Financial Analysis  
 Martin Hamilton, B.A. (1998), Associate Vice President, Financial Administration  
 Russell Orrison (2003), Associate Vice President, Retail and Auxilliary Operations  
 Justin Brooks, B.A. (2006), Director, Purchasing, QuickPrint and Mail Services



### **Accounting and Financial Services**

David Huisman, B.S., C.P.A. (1993), Controller  
Angela Teague, B.A. (2009), Senior Accountant

### **Campus Safety**

Kevin Penrod, B.S. (2007), Director, Campus Safety

### **Human Resources**

Brenda Flores-Lopez, B.S. (2011), Associate Vice President, Human Resources  
Sarah Shelburne (2005), Assistant Director, Manager Payroll

### **Industries**

Danita Payne (1986), Manager, Campus Shop

### **Marketing and University Relations**

Ingrid Skantz, M.S.A. (1990) , Vice President, Marketing and University Relations  
Isaac James, B.S. (2008), Director, Marketing and University Relations  
Shana Fairchild, B.S. (2015), Manager, Digital Engagement  
Janell Hullquist, B.S. (2016), Manager, Editorial  
Ryan Pierce, A.A. (2009), Manager, Graphic Design  
Ben Schnell, M.B.A. (2019), Manager, Website Development  
Tina Smith, B.A. (2011), Manager, Project and Planning

### **Risk Management**

Andrew Myaing, M.B.A. (2014), Director, Risk Management

### **Services**

Mark Antone, A.S. (1984), Director, Landscape Services  
Barry Becker (1993), Director, Transportation Services  
Dennis Clifford, B.S.EE (2016), Director, Building Systems Plant Services  
Bill Cruttenden (2011), Associate Director, Plant Maintenance and Construction  
Teddy Kyraikidis, M.S. (2016), Director, Food Services  
Donnie Lighthall, B.S. (2000), Director, Service  
Eric Schoonard, A.S. (2002), Director, Plant Services  
Fred Turner, B.ARCH. (1996), Corporate Architect

### **University Health Center**

Candace Wing, B.S. (2007), Director, University Health Center  
Michelle Mix, M.S. (2017), Nurse Practitioner

### **Enrollment Management**

Jason Merryman, M.A. (2020, Vice President, Enrollment Management)  
Ryan Herman, M.S.A. (2003), System Specialist

### **Admissions**

Rick Anderson, B.A. (2011), Director, Admissions  
Christina Zaiback, B.S. (2019), Associate Director, Admissions  
Stahl Comete, M.A. (2018), Associate Director, Recruitment  
Ryan Becker, B.A. (2018), Admissions Counselor/Ministry Coordinator  
Christalee Crary, B.A. (2015), Campus Experience Manager  
Fred McClanahan, B.A./B.S. (2004), Prospective Student Enrollment Counselor  
Maggie Mendoza, B.S. (2014), Transfer Admissions Counselor  
Kent Robertson, M.B.A. (1999), Strategic Initiatives Manager  
Kayla Rodriguez, M.B.A. (2019), Admissions Counselor  
Jessica Williams, M.A. (2018), Admissions Counselor

### **Student Finance**

Paula Walters, B.S. (2005), Director, Student Finance  
Lillian Loza, M.S.A. (2006), Associate Director, Student Finance

Michael Rumsey, B.S. (2013), Assistant Director, Student Finance  
 Jana Dietsche, B.B.A. (2001), Systems Manager  
 Faith Anderson, A.S. (2015), Student Finance Counselor  
 Ginger Cheney, B.S. (2004), Graduate Finance Counselor  
 Xenia Figueroa, B.B.A. (2015), Student Finance Counselor  
 Rebekah Spears, B.S. (2014), Student Finance Counselor

### **Student Development Administration**

Dennis Negron, M.A. (1993), Vice President, Student Development and Title IX Coordinator  
 Kari Shultz, M.A. (1999), Director, Student Life and Activities

### **Campus Chaplain**

Joseph Khabbaz, Ph.D. (2019), Vice President, Spiritual Life/Chaplain  
 Anna Bennett, B.A. (2014), Associate Chaplain

### **Residence Halls**

Lisa Hall, B.A. (2004), Director, Residence Life  
 Carl Patterson, M.A. (2004), Associate Dean of Men  
 John Sager, B.A. (2001), Associate Dean of Men  
 John Willis, B.S. (2012), Associate Dean of Men  
 Brandon Dorn, B.B.A. (2019), Assistant Dean of Men  
 Chamra Anthony, M.A. (2007), Associate Dean of Women  
 Tisha Looby, B.A. (2011), Associate Dean of Women  
 J.P. Mathis, B.S. (2008), Associate Dean of Women  
 Susan Pennington, B.S. (2012), Associate Dean of Women

### **Student Success Center**

Jim Wampler, Psy.D. (1993), Director, Student Success Center/Testing Services  
 Tiffany Bartel, M.A. (2019), Counselor  
 Richard Griffin, M.S. (2013), Counselor  
 Cheri Durst, M.S. (2013), Retention Services Coordinator  
 Renita Moore, M.S. (2003), First Year Experience Coordinator  
 Daniel Olson, M.S. (2015), Career Services Coordinator  
 Mariella Pechero, J.D., M.Ed. (2014), Disability Services Coordinator

### **Church Pastors**

David K. Ferguson, M.Div. (2017), Senior Pastor  
 Kris Eckenroth, B.A. (2018), Associate Senior Pastor  
 Tim Cross, M.Div. (2002), Group Life  
 Jay Cole, B.S. (2017), Church Administrator  
 Jim Moon, M.Div. (2015), Pastor of Worship  
 Kircio Mota, M.Div. (2019), Youth Pastor  
 Cherie Smith, B.S. (2011), Pastor of Spiritual Care, Visitation and Prayer  
 Carole Verrill, M.A. (2008), Children's Ministries/Worship Coordinator

### **Faculty Emeriti**

Bruce Ashton, D.M.A., Professor Emeritus of Music  
 Ronald M. Barrow, Ph.D., Vice President Emeritus for Admissions and College Relations  
 Peggy Bennett, M.S.L.S., Associate Professor Emerita of Library Science  
 Jack Blanco, Ph.D., Professor Emeritus of Religion  
 John Durichek, M.A., Associate Professor Emeritus of Computing and Technology  
 Mary Elam, M.A., Associate Vice President Emerita of Academic Administration  
 Richard Erickson, M.B.A., Professor Emeritus of Business  
 Phil Garver, Ed.D., Professor Emeritus of Physical Education, Health and Wellness  
 Lorraine Grace, M.S.L.S., Associate Professor Emerita of Library Science  
 Floyd Greenleaf, Ph.D., Vice President Emeritus of Academic Administration  
 Leona Gulley, Ed.D., Professor Emerita of Psychology  
 Larry Hanson, Ph.D., Professor Emeritus of Mathematics  
 Carole Haynes, Ed.D., Professor Emerita of Education

Shirley Howard, M.S., Associate Professor Emerita of Nursing  
Bonnie Hunt, M.S., Associate Professor Emerita of Nursing  
Barbara James, D.S.N., Professor Emerita of Nursing  
Henry Kuhlman, Ph.D., Professor Emeritus of Physics  
Ed Lamb, M.S.S.W., Professor Emeritus of Social Work and Family Studies  
Katie Lamb, Ph.D., Associate Vice President Emerita of Academic Administration  
Donn W. Leatherman, Ph.D., Professor Emeritus of Religion  
Callie McArthur, M.S.N, Professor Emerita of Nursing  
Cliff Olson, Ph.D., Professor Emeritus of Business  
Louesa Peters, B.A., Associate Treasurer Emerita  
Dennis Pettibone, Ph.D., Professor Emeritus of History  
Art Richert, Ph.D., Professor Emeritus of Mathematics  
Marvin Robertson, Ph.D., Professor Emeritus of Music  
Philip G. Samaan, D.Min., Professor Emeritus of Religion  
Shirley Spears, M.S., Associate Professor Emerita of Nursing  
Carleton Swafford, Ph.D., Graduate Dean Emeritus  
Mitchell Thiel, Ph.D., Professor Emeritus of Chemistry  
Thelma Wearner, M.A., Associate Professor Emerita of Home Economics  
Jon Wentworth, M.Tx., Professor of Emeritus of Business  
Bill Wohlers, Ph.D., Vice President Emeritus of Student Development  
Joni Zier, M.S.Ed., Director of Records and Advisment Emerita

# Instructional Faculty

(Dates in parentheses indicate the beginning year of employment at Southern Adventist University.)

**Kerry Allen-M.S.N., Associate Professor of Nursing**

B.S. and M.S.N., Southern Adventist University. (2010)

**Patricia Anderson-Ph.D., Professor of Mathematics**

B.S., Southwestern Adventist University; Ph.D., University of Texas at Arlington. (2007)

**Scot Anderson-Ph.D., Professor of Computing**

B.S., Southwestern Adventist University; M.S. and Ph.D., University of Nebraska, Lincoln. (2007)

**Vola Andrianarijaona-Ph.D., Professor of Physics and Engineering**

B.A., Université Paris XIII; M.A., Université Paris VII, M.A., Université Paris VIII; Ph.D., Université Catholique de Louvain. (2020)

**Joyce L. Azevedo-Ph.D., Professor of Biology**

B.S., Union College; M.A. and Ph.D., University of California, Riverside. (1992)

**Evie Nogales Baker-M.S.W., Associate Professor of Social Work**

B.A., Southern Adventist University; M.S.W., University of Tennessee, Knoxville. (2005)

**Lorraine Ball-M.S., Associate Professor of Journalism and Communication**

B.A., Atlantic Union College; M.S., Clark University. (2001)

**Stephen Bauer-Ph.D., Professor of Religion**

B.A., Atlantic Union College; M.Div. and Ph.D., Andrews University. (1999)

**Nicholas J. Beaumonte, Jr.-M.S., Associate Professor of Nursing**

A.S., Waukesha County Technical College; B.S., Andrews University; M.S., University of Phoenix. (2018)

**John Beckett-D.B.A., Professor of Computing**

B.S. and M.B.A., Southern Adventist University; D.B.A., Nova Southeastern University. (1975)

**Robert Benge-Ph.D., Dean and Professor of Physical Education, Health and Wellness**

B.S., Southern Adventist University; M.S.Ed., Old Dominion University; Ph.D., University of New Mexico. (1998)

**Lunelle Bertresse-M.S.N., Assistant Professor of Social Work**

B.S.W. and M.S.W., Southern Adventist University. (2019)

**Krystal Bishop-Ed.D., Professor of Education**

B.S., Southern Adventist University; M.A. and Ed.D., University of South Florida, Tampa. (1996)

**Randy Bishop-M.P.T., Associate Professor of Biology/Allied Health**

B.B.A., Southern Adventist University; M.P.T., Andrews University. (2010)

**Mike Boyd-M.S.S., Associate Professor of Physical Education, Health and Wellness**

B.S., Atlantic Union College; M.S.S., United States Sports Academy. (2007)

**Marc Boyson-M.F.A., Associate Professor of Visual Arts and Design**

B.A. and M.A.T., Andrews University; M.F.A., University of the Arts. (2011)

**Gary Bradley, Jr.-Ph.D., Associate Professor of Education**

B.A., Southern Adventist University; M.A.Ed., Western Carolina University; Ph.D., Andrews University. (2018)

**Deyse Bravo-M.L.S., Director and Associate Professor of Library Science**

B.A., University of California, Berkeley; M.L.S., Queens College. (2011)

**Doug Brown-Ph.D., Associate Professor of Physical Education, Health and Wellness**

B.A., Walla Walla University; M.Div., Andrews University; Ph.D., Prescott College. (2014)

**Kevin Brown-Ph.D., Chair and Professor of Mathematics**

B.S., Southern Adventist University; M.S. and Ph.D., University of Central Florida. (1999)

**Genevieve Brown-Kibble-D.M.A., Professor of Music**

B.A., Andrews University; M.Mus., Indiana University; D.M.A., University of Arizona. (2005)

**Jill Buchholz-D.N.P., Professor of Nursing**

B.S.N. and M.S.N., Indiana University School of Nursing; D.N.P., Indiana Wesleyan University. (2016)

**Kevin Burton-Ph.D., Instructor of History and Political Science**

B.B.A., Southwestern Adventist University; M.A., Andrews University; Ph.D., Florida State University. (2019)

**Rod Bussey-Ph.D., Professor of Physical Education, Health and Wellness**

B.Ed., Union College; M.Ed., Azusa Pacific University; Ph.D., Texas Woman's University. (2013)

**Hendel Butoy-Professor of Visual Art and Design**

**Rachel Byrd-Ph.D., Professor of English**

B.A., Pacific Union College; M.A., Shippensburg University; Ph.D., University of Maryland. (1998)

**Laurie Redmer Cadwallader-M.Mus., Associate Professor of Music**

B.Mus.Ed., Atlantic Union College; M.Mus., New England Conservatory of Music. (2000)

**Ken Caviness-Ph.D., Professor and Chair of Physics and Engineering**

B.S., Southern Adventist University; Ph.D., University of Massachusetts at Lowell. (1996)

**Ronda Christman-Ph.D., Professor of Nursing**

A.S., Southern Adventist University; B.A., M.A., M.S.N., and Ph.D., Andrews University. (2013)

**Peter J. Cooper-D.M.A., Dean and Professor of Music**

B.Mus. and M.Mus., Conservatory of Music, University of Missouri-Kansas City; D.M.A., University of Michigan. (2006)

**Aaron Corbit-Ph.D., Professor of Biology**

B.S. and Ph.D., Loma Linda University. (2012)

**Stanley Cottrell II-M.L.S., Associate Professor of Library Science**

B.S. and M.A., Andrews University; M.L.S., University of Maryland. (2004)

**Randall Craven-M.F.A., Dean and Associate Professor of Visual Art and Design**

B.A., University of Missouri, Kansas City; M.S.Ed., Southern Adventist University; M.F.A., Savannah College of Arts and Design. (2000)

**Judith Dedeker-M.S.N., Associate Professor of Nursing**

B.S. and M.S.N., Southern Adventist University. (2006)

**Lisa Clark Diller-Ph.D., Chair and Professor of History and Political Studies**

B.A., Southern Adventist University; M.A. and Ph.D., University of Chicago. (2002)

**Hyunsok (John) Doh-Ph.D., Professor of Religion**

B.A. and M.A., Sahmyook University; Ph.D., Andrews University (2018)

**Michelle Doucoumes-M.B.A., Assistant Professor of Business**

B.B.A. and M.B.A., Southern Adventist University. (2017)

**Matthew P. Duffy-Ph.D., Associate Professor of Chemistry**

B.S., La Sierra University; M.S., University of California, Riverside; Ph.D., Nanyang Technological University, Singapore. (2018)

**Bonnie Eder-Ed.D., Professor of Education**

B.S., University of Wyoming; M.S., Berry College; E.D.S., University of West Georgia; Ed.D., University of Tennessee, Knoxville. (2011)

**Marla Erskine-M.S.N., Assistant Professor of Nursing**

A.S.N., Cayuga County Community College; M.S.N., Southern Adventist University. (2019)

**Dionne Felix-Ph.D., Associate Vice President for Academic Administration**

B.A., Oakwood University; M.A., University of Alabama in Huntsville; Ph.D., Capella University. (2018)

**Pablo Fernandez-M.A., Assistant Professor of Journalism and Communication**

B.S., Facultad César Lábbero; M.A., Andrews University. (2018)

**Jennifer Fisher-M.S.N., Associate Professor of Nursing**

B.S.N., Andrews University; M.S.N. Frontier School of Midwifery and Family Nursing. (2019)

**Sonja Fordham-Ph.D., Associate Professor of Library Science**

B.S., Southern Adventist University; M.A. University of New England, Australia; M.A. and Ph.D., University of Arizona. (2014)

**L. Ann Foster-Ph.D., Professor of Biology**

B.S., Southern Adventist University; M.S. and Ph.D., University of North Texas. (1996)

**Sunia Fukofuka-Ph.D., Associate Professor of Business**

B.A., Pacific Adventist University; M.B.A. and Ph.D., Adventist International Institute of Advanced Studies. (2017)

**Holly Gadd-Ph.D., Dean and Professor of Nursing**

B.S., Andrews University; M.S., Loma Linda University; F.N.P., Midwestern State University; Ph.D., Texas Woman's University. (2000)

**Pam Gammenthaler-M.S.N., Associate Professor of Nursing**

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# 2020-21 University Committees

## Administrative Committees

Administrative Council: David Smith, Chair

Employee Wellness Committee: Bob Benge, Chair

Environmental Sustainability Committee: Andrew Myaing, Chair

Financial Appeals Committee: , Chair

Fundraising Committee: Carolyn Hamilton, Chair; Kenny Turpen, Vice-Chair

Human Resources Committee: Tom Verrill, Chair; Brenda Flores-Lopez, Associate Chair

Key/Access Committee: Marty Hamilton, Chair

Naming Committee: Ben Wygal, Chair

New Student Orientation Committee: Renita Moore, Chair

Planned Giving Committee: Carolyn Hamilton, Chair; Tom Verrill, Vice Chair

Presidents Cabinet: David Smith, Chair

Public Arts Committee: Ben Wygal, Chair

Safety/Risk Control Committee: Tom Verrill, Chair; Kevin Penrod, Vice Chair

EPA and OSHA Compliance Audit Team: Andrew Myaing, Chair

Traffic Appeals Committee: Dennis Negrón, Chair

University Archives and Records Committee: , Chair

## Other Committees

Assessment and Effectiveness Review Committee: Robert Young, Chair

Retention Committee: Dionne Felix, Chair

Financial Statement Review: Tom Verrill, Chair

Crisis Management Team: David Smith, Chair

Diversity Committee: David Smith, Chair

Employee Handbook Editorial Committee: Dionne Felix, Chair

Enrollment Priorities and Improvements Committee (EPIC): Ingrid Skantz and Ryan Herman  
Co-Chairs

Faculty Affairs Committee: Kevin Brown, Chair

Faculty Promotions Committee: Robert Young, Chair

Grievance Committee: Mark Hyder, Chair

Honorary Degrees Committee: Robert Young, Chair

Missions and Evangelism Committee (SMEC): Greg King, Chair

Sabbatical Subcommittee: Robert Young, Chair

Social/Recreation Committee: Tricia Foster, Chair

Strategic Planning and Budget Committee: David Smith, Chair

## University Senate Committees

University Senate: Beth Scott, Chair

University Senate Executive Committee: Laura Racovita, Chair

University Senate Nominating Committee: Laura Racovita, Chair

## Academic Committees

Academic Program Review Committee: Dionne Felix, Chair

Academic Research Committee: Ileana Freeman, Chair

Adult Experiential Learning Credit Committee: Cynthia Gettys, Chair

Graduate Council: Tyson Hall, Chair

Distance Education Committee: Tyson Hall, Chair; Dionne Felix, Vice-Chair

Institutional Review Board: Cynthia Gettys, Chair

Undergraduate Council: Robert Young, Chair

Academic Review Subcommittee: Dionne Felix, Chair

Admissions Subcommittee: , Chair; Dionne Felix, Vice Chair

Advisement Subcommittee: Sharon Rogers, Chair

General Education Subcommittee: Randy Craven, Chair

Honors Subcommittee (Southern Scholars): Linda Tym, Chair

Writing Subcommittee: Sonja Fordham, Chair

Pre-Professional Committee: Dionne Felix, Chair

## Student Development Committees

Christian Service Committee: Bob Young, Chair

Discipline Review Committee: Kari Shultz, Chair

Student Sexual Misconduct Review Panel, Andrew Myaing, Chair-Elect

Student Support Team: Cheri Durst, Chair

Student Personnel Committee: Dennis Negron, Chair

Student Development Committee: Dennis Negron, Chair

Activate Southern: Rod Bussey, Chair

Disabilities Services Subcommittee: Mariella Pechero, Chair

Film Subcommittee: Stanley Cottrell, Chair

International Student Subcommittee: Cheri Durst, Chair

Screening Subcommittee: Laurie Redmer Cadwallader, Chair

Spiritual Life Subcommittee: Joseph Khabbaz, Chair

Student Activities Subcommittee: Kari Shultz, Chair

Student Media Board: Stephen Ruf, Chair

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