

Undergraduate Catalog 2017-2018

Admissions Information 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

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

The Vision

Southern Adventist University will lead in providing a learning foundation built upon biblical principles, model academic and professional excellence, conscientiously steward university resources, and cost-effectively graduate successful servant leaders guided by faith, integrity, and balance.

Values

We are:

- Christ-centered: in every aspect of campus life
- Seventh-day Adventist: in perspective and practice
- Excellence driven: in academic and non-academic areas
- Student focused: in their immediate and eternal wellbeing
- Cost conscious: in stewardship and affordability
- Balanced: in all areas of life
- Gracious: in service and hospitality to all

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 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 Assembly for Collegiate Business Education (ACBE), 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, Long Term Care Administration, and Sports Studies
 - Master of Business Administration
- The Long Term Care Administration 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, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012-telephone: 410.347.7700.

- The School of Education and Psychology is accredited by the National Council for Accreditation of Teacher Education (NCATE), ncate.org. This accreditation covers initial teacher preparation and the advanced educator preparation programs Literacy Education and School Counseling. 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 (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 Assembly 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, 70 baccalaureate degree majors, 60 minors, 18 associate degree majors, and 3 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 learning includes undergraduate and graduate programs located on national and international Seventh-day Adventist college and university campuses as well as online courses and degrees. The online learning program provides the same quality of educational experience as the main campus to those students who cannot attend classes in Collegedale.

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 48 foreign countries 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-Visual Art and Design, Business, English, History and Political Studies, Journalism and Communication

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, PE, 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, Family Studies, Teaching Material Centers

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.

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Academic Calendar

2017-18 School Year

The Southern Adventist University summer term consists of three sessions and a semester. Students in attendance during the 2016-17 school year may register online on April 10 until the session begins.

1st Summer Session, 2017

Apr 10-May 7	Registration
May 8	Classes Begin
May 10	Last Day to Add a Course/Fee for Class Change
May 19	Last Day to Drop
Jun 2	Classes End
Jun 6	Summer Session 1 Grades due 5:00 p.m.

2nd Summer Session, 2017

Apr 10 - Jun 4	Registration for Summer Session 2
Jun 5	Classes Begin
Jun 7	Last Day to Add a Course/Fee for Class Change
Jun 16	Last Day to Drop
Jul 13	ACT Examination 1:00 Lynn Wood Hall
Jul 20	ACT Examination 1:00 Lynn Wood Hall
Jul 21	Classes End
Jul 25	Summer Session 2 Grades Due 5:00 p.m.

3rd Summer Session (SmartStart), 2017

Jul 17	Early Check-In for Science Classes, 8:30-4:30 p.m. Wright Hall
Jul 18	Classes Begin in BIOL 101; BIOL 151; CHEM 120
Jul 20	ACT Examination 1:00 Lynn Wood Hall
Jul 23	New Student Check In Iles PE Center-MAIN EVENT-9:00 a.m.-2:00 p.m.
Jul 24	Classes Begin
Jul 26	Last Day to Add a Course/Fee for Class Change
Aug 4	Last Day to Drop
Aug 15	Classes End
Aug 15	New Student Check In Iles PE Center-MAIN EVENT-9:00 a.m.-2:00 p.m.
Aug 16-18	No Classes-See Orientation Schedule
Aug 22	All Summer Session Grades Due 5:00 p.m.

Summer Semester, 2017

May 8	Summer Semester Begins
May 15	Classes Begin for Nursing Cohort & Consortium
May 22	Last Day to Add a Course
May 23	Fee for Class Change
Jun 26	Summer Senior Deadline for Correspondence/Incompletes/Home Study

Jul 3 - 7	Nursing Cohort Break
Jul 3	S17 Mid Term Grades Due 5:00 p.m.
Jul 6	Last Day to Order Regalia for Summer Commencement
Jul 13	Last Day to Drop a Class
Jul 27	Summer Commencement 7:00 p.m. Iles P.E. Center
Aug 11	Nursing Cohorts Ends
Aug 15	Summer Semester Ends
Aug 22	All Summer Semester Grades due 5:00 p.m.

1st Semester

Aug 7-11	University Colloquium
Aug 10	ACT Examination 1:00 Lynn Wood Hall
Aug 16-18	Freshman/Transfer Orientation
Aug 16-20	Online Registration for Non-registered Students
Aug 20	Wright Hall open from 11:00-2:00 p.m.
Aug 21	Classes Begin
Aug 22	S17 Grades due 5:00 p.m.
Aug 24	ACT Examination, 1:00 p.m. Lynn Wood Hall
Aug 29	Fee for Class Change and "W" Show on Transcript
Sep 4	Last Day to Add a Class/Census date
Sep 24-25	View Southern
Oct 12	Mid-term Ends
Oct 13-15	Mid-semester Break
Oct 17	Mid-term Grades Due 5:00 p.m.
Oct 20	Deadline to request Dec/May Graduation at Records Office
Oct 24	Senior Class Organization 11:00 a.m. Lynn Wood Hall
Oct 26	Last Day to Drop a Class
Oct 30	Southern Scholars Pre-Registration
Oct 31-Nov 1	Seniors Pre-Registration>93 hours
Nov 2-3	Juniors Pre-Registration>54 hours
Nov 2-5	Alumni Homecoming
Nov 6-7	Sophomores Pre-Registration>23 hours
Nov 8-10	Freshmen Pre-Registration<24 hours
Nov 13	Online Registration for W18 opens for New/Transfer Students
Nov 13	Progress Grades due for Dec Graduates
Nov 13	May Senior Deadline for Correspondence/Incompletes/Home Study
Nov 20-26	Thanksgiving Vacation
Dec 11-14	Semester Exams
Dec 12	All Incomplete Grades for W17/S17 Due
Dec 14	Commencement, 7:00 p.m.
Dec 15-Jan 7	Christmas Vacation
Dec 18	Fall Semester Grades due by 5:00 p.m.
Dec 21-Jan 1	Wright Hall Closed

2nd Semester

Jan 4	ACT Examination 1:00 Lynn Wood Hall
Jan 7	Enrollment Activities for New Students, 11:00 a.m. - 2:00 p.m. Wright Hall
Jan 8	Classes Begin
Jan 9	ACT Examination 1:00 Lynn Wood Hall
Jan 15	Martin Luther King, Jr. Day/No Class/Community Service Day
Jan 17	Fee for Class Change and "W" Show on Transcript
Jan 22	Last Day to Add A Class/Census Date
Mar 1	Mid-term Ends
Mar 2-11	Spring Break
Mar 6	Mid-term Grades due 5:00 p.m.
Mar 22	Last Day to Drop
Mar 26	Southern Scholar Pre-Registration
Mar 26	Registration Opens for S18, S18S1, S18S2
Mar 27 - 28	Senior Pre-Registration>93 hours
Mar 29 - 30	Junior Pre-Registration>54 hours
Apr 2-3	Sophomores Pre-Registration>23 hours
Apr 4-6	Freshmen Pre-Registration<24 hours
Apr 2	May Senior Deadline for Correspondence/Incompletes/Home Study
Apr 9	F18 Registration Open for New/Transfer
Apr 16	Last Day to Order Regalia for May Graduation
Apr 30-May 3	Semester Exams
May 6	Commencement/Semester Ends
May 8	Winter Semester Grades Due by 5 p.m.

May 7-Aug 14 Summer Sessions 2018

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.
- 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.

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 940 (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 940 (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 940 (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 940 (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 870 (Evidence - Based Reading & Writing, Math).
3. 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 begin classes in either the regular Fall or Winter semester, and are not eligible to begin during the SmartStart session. 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.

Once on regular standing the student qualifies for a free three hour class the following summer.

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 940 (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

1. If the college GPA is below the minimum requirements as stated above, the student may appeal to the Admissions Committee for consideration of admission on academic probation.
2. Transfer students with an ACT composite of 16 or 17 (SAT 870-930) and a cumulative GPA between 2.00-2.49 will be accepted on academic probation.

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.

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 2012 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 also be submitted through the following credential evaluation service before an admission decision is determined*:

- Foreign Credits (www.foreigncredits.com)
 - Secondary and post-secondary course work must be submitted using Course-by-Course evaluation.

Proficiency in English, both written and oral, must be proven before admission. This may be done by:

- Taking the Test of English as a Foreign Language (TOEFL) Internet-Based Test (IBT) or Paper-Based (PBT). Students whose TOEFL IBT score is 79 (PBT 550) or higher meet the official admission level.

- Scoring a 4.0 on the iTEP (International Test of English Proficiency)
- 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.

Those who do not meet the above criteria will be evaluated for ESL admission once the office has received all required academic credentials.

* *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 by Foreign Credits 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

All F1 visa status students are required by current immigration laws to be enrolled in a full course study (a minimum of 12 hours) for each semester in attendance. NOND 105 - The University Enrichment, may count as part of the international student's load.

According to current immigration laws, 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 (minimum of 12 hours) 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 when there are regular classes held. Such employment may be full time (up to 40 hours per week) during school vacation periods 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 in excess of 20 hours per week. If a student's work exceeds 20 hours per week, 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.

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.)

Admission of English as a Second Language (ESL) Students

Students that meet the admission criteria of an international student except for the TOEFL/iTEP requirements can be accepted as an English as a Second Language (ESL) student if they have a TOEFL IBT score between 45 and 78 (PBT 450-549) or an iTEP score between 3.0 and 3.9. ESL students must enroll as special advisees of the English Department which administers the language classes. Students whose TOEFL IBT score is below 45 (PBT 450) or iTEP score is below 3.0 are not eligible for admission to the University. See English as a Second Language Program (ESL) in the English Department section of the Catalog for additional ESL information.

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

Customized

Finance

Healthcare Administration (Southern Campus, online)

Management (Southern Campus, online)

Marketing Management

Dual Degree-MSN and MBA (Southern Campus, online)

School of Computing

Master of Science in Computer Science

Computer Science

Embedded Systems

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

School of Nursing

Doctor of Nursing Practice

Acute Care Adult/Gerontology Nurse Practitioner (online)

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

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 (available online)

Accelerated RN to MSN

- Acute Care Nurse Practitioner-Adult/Gerontology
- Adult/Gerontology Nurse Practitioner
- Family Nurse Practitioner
- Nurse Educator (available online)
- Psychiatric Mental Health Nurse Practitioner

Dual Degree-MSN and MBA (available online) Healthcare Administration

Dual Degree-MBA and DNP (online) Healthcare Administration, BS/DNP, DNP/ MBA

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

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 (available on campus and online)
- Nurse Educator (available on campus and online)

School of Religion

Master of Arts

- Biblical and Theological Studies
- Religious Studies

Master of Ministry

Church Leadership and Management
Church Ministry and Homiletics
Evangelism and World Mission

School of Social Work

Master of Social Work

Child and Family Advocacy and Treatment
Entrepreneurship in Social Services
International Social Work
Mental Health Practice in Social Work
Military Social Work and Veteran Services
Spiritual Care in Nontraditional Settings
Trauma and Emergency Management

Department of Global Community Development

Master of Science in Global Community Development

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. This approach need not result in loss of credits if carefully planned.

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. Students planning to enter preprofessional programs should consult the adviser, department, or school that will help them prepare for certification or 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 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.
- 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.
- 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 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.

Paraprofessional 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 voucher 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 voucher is filed at the Records and Advisement Office. 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.

Online Courses. Unless otherwise noted, an online course begins and ends within the same time frame as traditional courses during any semester or summer session in which the online course is scheduled.

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 an acceptable study-work program, the following will serve as a guide:

Course Load	Maximum Work Load
16 hours	16 hours
14 hours	20 hours
12 hours	26 hours
10 hours	32 hours
8 hours	38 hours

Class Standing

Standing	Hours
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). ENGL 101, ENGL 102, and MATH 215 must be met before enrollment in upper division classes.

Southern Scholars

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 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/southernscholars>. 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:

- All incoming Southern Scholars freshman must take Southern Scholars NOND 101.
- 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
- One of the following science sequences 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 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 268
 - RELT 317
 - RELT 421
 - RELT 467

TOTAL 35-37 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. Mark Peach at 423.236.2743 or email him at peach@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 two commencement services annually, one at the end of the first semester and another at the end of the second semester.

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: Prior arrangements must be made with the Records and Advisement Office to take 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 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 assist 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 in October of their senior year. 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 for Teacher Education should be completed during the sophomore year.

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 which informs 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, 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 (PEAC). 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. Nursing Practicum, NRS 191, is also a Pass/Fail class.

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
A	4.00 grade points per hour
A-	3.70 grade points per hour
B+	3.30 grade points per hour
B	3.00 grade points per hour
B-	2.70 grade points per hour
C+	2.30 grade points per hour
C	2.00 grade points per hour
C-	1.70 grade points per hour
D+	1.30 grade points per hour
D	1.00 grade points per hour
D-	0.70 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 on "Family Educational Rights and Privacy." 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. The Director of Records and Advisement will further explain and clarify the Family Educational Rights and Privacy Act 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.

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 also 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 appeal procedures spelled out in the "Academic Grievance Procedure" section of this *Catalog*.

Conditional Standing and Dismissal

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.
5. Students on conditional standing may enroll in a maximum of 13 hours and are required to enroll in NOND 080 - Academic Power Tools.*

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 080 - Academic Power Tools;

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 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 unless they are invited by the professor for a specific purpose.

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. College Composition]. 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 111 - Survey of Mathematics (I-2a)] 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.

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 Academic Affairs Committee. 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 com-

mittee is binding and will be implemented by the professor involved or the Vice President for Academic Administration.

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. However, students taking the CLEP exam for SOCI 125 must pass with a score of 59 or higher.
 - 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 111. (A student may not receive credit for both CHEM 111 and CHEM 151.)
 - The AP English Language and Composition exam earns credit for ENGL 101, and the AP English Literature and Composition exam earns credit for ENGL 101 and ELIT 216. 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.

Distance Credit. Griggs University, located at Andrews University, is the officially recognized distance education provider for Southern Adventist University students needing distance credit. However, the University accepts credits from distance education providers that are accredited by NUCEA (National University Continuing Education Association) on the same basis as credits from other regionally accredited colleges or universities. The following policies apply:

- 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, whether taken while in residence or during the summer, 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 or by clicking on “My Access” at 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.

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 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

Renewable Freshman 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.

Freshman 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.

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

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

Freshman 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 Freshman 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.

Freshman 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 Freshman Lightbearer Scholarship (awarded \$2,000 per year for four years) provided to encourage Adventist education.

Freshman 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 FRESHMAN 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 Transfer Scholarships.
- 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 must maintain a minimum cumulative 3.0 GPA to qualify for these scholarships each academic year. 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.
- 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.

Renewable Transfer Academic Scholarships

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 the combined point total from their cumulative GPA and ACT score. 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.

To calculate eligibility for the Transfer Academic Scholarship, use Points Formula below:

Step One. Take cumulative college GPA and multiply by 1,000 _____ Points (4000 pts max)

Step Two. Take ACT* test score and multiply by 100 + _____ Points

Step Three. Add all points from Step One and Two = _____ Total Points

* To convert a SAT score to an ACT score, call 1-800-SOUTHERN for an Admissions Counselor.

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. This scholarship is renewable. 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 and then yearly after the fall semester. Southern 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 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 any Freshman 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 must maintain a minimum cumulative 3.00 GPA to qualify for the Transfer Academic Scholarship each academic year. 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.
- 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.

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 in literature evangelism and then attends Southern 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 will choose the larger of the two scholarships.

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.

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. Mark Peach at 423.236.2743 or peach@southern.edu.

Student Missionary/Task Force Scholarship

This scholarship is \$1,500 and is available to qualified students who attend Southern 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. There are several searchable databases with lots of private scholarships, fellowships, grants, and loans at websites such as www.fastweb.com or 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 is November 30.
- 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 not allowed to “overaward” 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.
- Scholarships and awards, including employer tuition assistance and National Merit Scholarships, cannot exceed costs for tuition (12 to 16 hours), general fees, room rent, and a capped amount for books and food. All outside grants and subsidies will be applied before institutional scholarships and awards.
- The total scholarship/grant cost to Southern Adventist University will not exceed the charge for tuition and fees.
- Scholarships listed here are available only for full-time students taking 12 or more undergraduate hours each semester towards their first undergraduate degree at Southern Adventist University’s main campus in Collegedale, TN.
- All scholarship offers are contingent on the student enrolling during the 2017-2018 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 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.

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. 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.

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.

Perkins Loans

Low-interest federal student loans, made by Southern Adventist University, available for undergraduate students. Students may borrow up to \$5,500 per year from the Federal Perkins Loan Program through Southern Adventist University. A borrower must repay this loan. Funds are dependent on student's financial need and the availability of funds. Borrowers must be awarded the yearly max in Direct Loans (subsidized and unsubsidized) before Perkins can be given. Students must sign a master promissory note (MPN) and complete entrance counseling online before the loan is released onto their student account. Interest rates for Perkins Loans is five percent. Repayment of loans begins nine months after student graduates, leaves school, or drops below half-time enrollment.

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 \$3,000 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. 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 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 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. **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.

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 FIN. 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 sent to each accepted applicant after the Student Finance Office receives the FAFSA results. To confirm and reserve the funds offered, students should return the signed acceptance of the offer within **ten days** of receipt. It will be assumed that students are accepting the full award amounts if the award letter is not signed and returned within the allotted time.

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) and entrance counseling requirements are met.

Financial Aid Refund Policy

Financial aid is considered to be used first for direct educational costs (tuition, fees, room, board, and books), therefore, when a student withdraws from classes and under the refund policy receives a refund of these charges, any credit will be used to reimburse financial aid programs first, and any remaining credit will be refunded to the student.

According to federal regulations, refunds due to Federal Title IV programs will be allocated according to the following priority:

1. Unsubsidized Federal Direct Loans
2. Subsidized Federal Direct Loans
3. Federal Perkins Loans
4. Federal Direct PLUS Loans
5. Federal Pell Grant
6. Federal Supplemental Educational Opportunity Grant
7. Other Title IV aid

Amount of Title IV Aid Earned

To calculate the amount of Title IV aid earned, the percentage of Title IV aid earned (as figured by the withdrawal date) is multiplied by the aid that has been disbursed as well as the aid that could have been disbursed.

Amount of Title IV Aid to Return

To calculate the amount of Title IV aid to return, the amount of Title IV aid earned (as figured above) is subtracted out of the aid that was disbursed as well as the aid that could have been disbursed.

For further explanation, please contact the Student Finance Office.

Financial Aid Repayment Policy

There are specific repayment policies for students who withdraw completely from Southern Adventist University and have received financial aid in excess of their incurred educational costs. An example would be the student who received a Federal Direct Loan and did not use the full amount for educational costs. An amount owing to any federally funded student aid program will be covered by Southern Adventist University and then charged to the student's account.

Student Financial Responsibility

Student Responsibility for University Expenses

The Student Finance Office 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 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 University and at local private businesses. Students seeking employment should contact the Human Resources Office or visit 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, 2017, 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.

Tuition and General Fee

Tuition per credit hour (1-11 hours)	\$ 870.00
Tuition for 12-16 credit hours (flat fee)	10,350.00
Tuition per credit hour over 16	675.00
Summer Tuition per credit hour	675.00
Tuition for high school students per credit hour (on-campus)	435.00
General Fee per semester*	425.00
Audit Tuition per credit hour:	
If taking 9 or more undergraduate hours for credit	FREE
If taking 8 or less undergraduate hours for credit	435.00
SALT Certification (non-credit) (flat fee)	3,915.00
Nursing Consortium Tuition per credit hour	348.00

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	10.00
Examination Fees:	
Challenge or waiver	50.00
CLEP	80.00
Credit Recording (per credit hour)	40.00
TOEFL	25.00
Exam Rescheduling Fee	100.00
Insufficient funds check fee and penalty	25.00
Insurance** (Estimate Only):	
Student	1,570.00
Spouse	1,570.00
Child	1,570.00
All Children (2 or more)	3,140.00
All Dependents	4,710.00
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.)	
ID Card Replacement Fee	20.00
Meal Plans:	
Bronze Plan	1,250.00
Silver Plan (default)	1,450.00
Gold Plan	1,650.00
Medical Laboratory Science Recording Fee (senior year)	55.00
Music Lesson Fee (per credit hour)	175.00
Online Learning Fee (per credit hour)	150.00
RN Update Fee	440.00
Packing and Moving Fee	Actual Cost
Parking Permit Fee (per semester)	45.00
Residential and Campus Housing (based on double occupancy per semester):	
Residence Hall***	2,125.00
Southern Village	2,300.00
Spalding Cove	2,405.00
Upper Stateside	2,300.00
Transcript fees:	
Printed Transcript (per destination)	2.25
Electronic PDF Transcript (per destination)	4.00
FedEx Overnight (U.S. and Canada only) (per destination)	27.25

* 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
Nursing Deposit	200.00

Estimated Student Budget

	Residence Hall		Non-Residence Hall	
	Semester	Year	Semester	Year
Tuition (12-16 hrs)	\$10,350	\$20,700	\$10,350	\$20,700
General Fee	425	850	425	850
Residence Hall Rent**	2,125	4,250		
Meal Plan	1,450	2,900		
Books and Misc. Supplies	550	1,100	550	1,100
Total Estimated Costs*	\$14,900	\$29,800	\$11,325	\$22,650

(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 the Modern Languages Department or online at <http://aca-noborders.org>
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 Aid is not available for ACA students.
 - Set-up a payment plan or pay ACA charges in full for the upcoming school year.
 - Register online 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 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 at the Campus Shop. Students may not charge items from the Adventist Book Center or other book stores to their 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. The deposit will be refunded after graduation or notification from the student 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.

The Commitment Deposit also allows students to reserve a room or apartment. 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 May 1 or after for fall semester and November 1 or after for winter semester.

* *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 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. This 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 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	\$1,250	\$450	\$800	40%	\$1,333	\$50
Silver *	\$1,450	\$450	\$1,000	40%	\$1,667	\$250
Gold	\$1,650	\$450	\$1,200	40%	\$2,000	\$450

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.

All meal plan purchases—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.
† Available Balance	The available balance represents the amount students have left in their account for food purchases.
‡ 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 \$1,450 meal plan to purchase \$1,667 worth of non-prepackaged food.
^ Buying Power	This is 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 \$250 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. To select an add-on

amount, students need to complete the Meal Plan and Campus Account Add-on form found at southern.edu/card.

The meal plan for the summer begins May 8, 2017, and ends August 15, 2017, fall semester begins August 16, 2017 and ends on December 31, 2017, and winter semester begins January 1, 2018, and ends on May 6, 2018.

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 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.

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

WEEK	REFUND PERCENTAGE
1st week	100%
2nd and 3rd weeks	80%
4th and 5th weeks	60%
6th - 9th weeks	40%
10th week through end of term	0%

SHORTENED SUMMER SESSION REFUNDS

WEEK	REFUND PERCENTAGE
1st week	100%
2nd week	50%
3rd week through end of session	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 applied to the financial aid funds, according to the Financial Aid Refund Policy. 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. Two hundred dollars will be kept on-account for any additional charges that may occur.

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 TouchNet Student Account portal at 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. 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.

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.

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).

When using a credit/debit card to pay on an account, the following information must be supplied:

1. Type of Card
2. Cardholder's name
3. Cardholder's billing address
4. Credit card number
5. Expiration date
6. CVV/CSC (3-digit code on back of card; American Express Cardholders: 4-digit code on front of card)
7. Student's name and ID number
8. Amount to be charged

Automatic credit card payments can be setup when the student and/or authorized user enrolls in a payment plan at 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.

Tuition Assistance

If a student is eligible for tuition assistance, Southern requests that a Tuition Assistance form be filled out each academic school year to verify third party billing information. While Southern 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 award letter 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, 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 sent out no later than the 5th business day of each month. Payment is due on the 24th of the following month, unless enrolled in a monthly

payment plan. If payment is not made by the end of that particular month, a \$25 late fee will be charged.

Students enrolled on a monthly payment plan will receive a statement detailing any new charges, however 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 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.

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 on campus. The department is responsible for rapid response to life safety and medical emergencies, continuous monitoring of the fire alarm systems, sending alerts for severe weather or other campus emergencies, vehicle assistance with jump starts and 1 gallon of fuel for vehicles out of gas, safety escorts after dark, vehicle registration, emergency door access, and investigating and reporting campus incidents for Title IX and Clery. Campus Safety is located at 5061 Industrial 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. Professional counselors are available to help students: clarify interests, values, and skills; choose an academic major; make decisions and explore potential careers; and develop skills in job seeking.

Recruiters from professional schools and organizations regularly visit the University to interview seniors. Meet the Firms, the Health Career Fair, and the Major/Minor Fair provide students with opportunities to network with employers and investigate curricular and career opportunities. Career Services is a part of the Counseling and Testing Services office located in the Student Success Center on the third floor of Lynn Wood Hall.

Chaplain's Office

Any student of Southern Adventist University has the opportunity to enrich his/her personal relationship with Jesus through Campus Ministries activities. Through the programs coordinated from the Chaplain's Office, students can engage in a wide variety of on- and off-campus spiritual activities. Student leaders working with the campus chaplain direct activities such as LifeGroups (small groups), Outreach Ministries (local Chattanooga area), Talge and Thatcher Hall visitation ministries, prayer ministry as well as numerous corporate worship programs (Vespers, Fall at the Wall, Student Week of Prayer, and the Renewal Worship Service at the Collegedale SDA Church).

Southern Adventist University encourages a strong commitment to mission service. There are opportunities for short-term mission projects as well as traditional Student Missionary positions or volunteer Task Force positions. The Student Missionary assignments from the world divisions are published by the General Conference Adventist Volunteer Center on their web site. Students interested in any mission or Task Force position may work through the Chaplain's Office for information and placement in mission positions.

The campus chaplain serves as a pastor for the University campus. The chaplain is available for spiritual counseling, personal and relationship concerns, and biblical/baptismal studies. It is the desire of the Chaplain's Office to provide a safe, confidential setting for students to discuss personal issues. Since many university students choose a life partner while here at the University, the Chaplain also provides pre-marital counseling to aid in the establishment of healthy Christian relationships.

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.

Convocation

Convocation exercises in the residence halls and for the entire student body serve educational and spiritual purposes. They also provide an element of unity which is one of the most desirable features of private education such as is found at Southern Adventist University. The spiritual emphasis weeks and the week-end church services assist in the spiritual growth of the students. Students are required to attend these services regularly. Failure to do so will jeopardize the student's current status and readmission privileges.

Counseling and Testing Services

Each student is assigned an academic adviser who will assist in program planning and give advice and guidance on academic questions throughout the school year. Students may also seek counseling regarding academic concerns from any member of the faculty.

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 applications and test date 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 various 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 must contact Disability Support Services (DSS) by phone at 423.236.2574 or in person at room 137 on the first floor of Lynn Wood Hall to schedule an appointment with the Disability Services Coordinator to request accommodations. It is expected that students with disabilities will make this contact before or during the first three weeks of the semester. Otherwise, the process of certifying eligibility and arranging for reasonable accommodations might not be completed in time to meet their needs before mid-term. Students who contact DSS after the first month of a semester might not expect to receive accommodations for that semester.

Southern is in compliance with Section 504 of the Rehabilitation Act (1973) and is dedicated to the elimination of architectural and prejudicial barriers which 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.

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.

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 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 freshmen and transferring 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.

Research and Writing Center

The Research and Writing Center is your writing resource at Southern. We offer one-to-one, individualized tutorial sessions for undergraduate and graduate students. Our writing tutors are dedicated, experienced peer writers who are CRLA certified, who excel at working with others in a professional academic environment, and who are trained in the research and writing process. Wherever you are in the writing process, regardless of the course or discipline, we can help. Each session with a writing tutor lasts 25-55 minutes. You and the writing tutor will read and discuss the piece of writing you are working on. By the time you leave the Center, you should have a clearer sense of where you want to go next and some strategies to help you get there.

To schedule a session, visit southern.mywconline.com for the online scheduler. You will need to register for an account first. After you have registered, you will be able to sign in and schedule an appointment at a date and time that works with your schedule. You may schedule a 25-minute or 55-minute appointment up to the desired appointment time. Walk-ins are also welcome, though scheduling sessions in advance is highly recommended. You may reach the Center at 423-236-2014.

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. Four residence halls that serve the needs of our students are: 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. Those over the age 23 may be asked to find alternate housing either in Student Family Housing or off-campus.

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.

Student Health Insurance

Southern requires all on-campus students to have health insurance coverage that complies with the Affordable Care Act. Southern offers its students an affordable nationwide Platinum level health insurance plan with United Health-care (UHC). Students taking six or more credit hours on-campus (three or more credit hours during any summer session) or living in University housing are eligible and automatically enrolled in the Sickness and Injury plan with UHC unless a waiver has been submitted to opt out. All students must submit a Health Insurance Information form during registration. Students who have submitted a waiver may enroll later.

The Injury insurance premium is included in the general school fees and offers additional coverage to students taking six or more credit hours on campus. This coverage is for students who are injured either on campus or on a school-sponsored event. The coverage limit is \$2,500 per injury. Medical facilities should bill this insurance as primary.

For more information please visit the Risk Management website. To enroll with UHC or to submit a waiver indicating having healthcare coverage, visit southern.edu/forms.

For policy information on benefits, terms, and limits, visit uhcsr.com/southern and select 2016-3 Brochure for Sickness policy, 2016-2 Brochure for Injury Policy.

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 (year-book), and The Weekender (weekly announcements). Southern Adventist University is the legal publisher of all of the approved student-produced media.

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. To maximize health care for all students it is the normal procedure for students to be seen at the Health Center.

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 Southern's student insurance (United Health Care). 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.

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; however, for a fee, continuing education credit is available. Lectures are presented at 8 p.m. on Monday evenings during the second semester, in the E. A. Anderson Business Seminar Room, Brock Hall, Room 333.

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, indexes, e-books, peer-reviewed journals, serials, and digitized materials. Patrons utilize the library website to find books, submit inter library loan requests, schedule consultations with librarians, reserve study rooms, renew loans, view tutorials and floor plans, access e-reserve items, and make use of the Ask-a-Librarian feature to get research advice.

When visiting the recently remodeled library facility, students can benefit from one of fifty computer workstations, borrow one of twenty wireless-enabled laptops, have a group study session in one of the study rooms, attend an information literacy session, get help at the Writing Center on the main level, examine

the Civil War collection housed on the third floor in the Thomas Memorial Collection, study, read newspapers, 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. Professional librarians and staff are available to help with individual and group reference and instruction.

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 between 10 and 15 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 Industrial 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

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		
<ol style="list-style-type: none"> 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:		
<ul style="list-style-type: none"> • 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 23**

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.

1) College Orientation**1 1**

First year students will learn to adapt to the requirements of academic and social life at Southern Adventist University.

Complete: NOND 101.

2) Written Computational Skills**6 6**

Students will demonstrate critical, independent thinking, clearly communicate their ideas in written form, and demonstrate the ability to select appropriate evidence from quality sources.

Complete: ENGL 101; ENGL 102 or ENGL 103 (Required for Southern Scholars).

Students with an ACT English score < 18 must register for ENGL 100 and achieve an ACT score of 18 or higher before entering ENGL 101.

Candidates for the bachelor's degree must complete three writing-emphasis classes.

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.

- | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|
| 3) Oral Communication Skills | 3 | 3 |
| <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> | | |
| 4) Statistical Skills | 3 | 3 |
| <p>Students will understand basic statistics, correctly analyze statistical data, and interpret statistical conclusions on a substantial data set in a project.</p> <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.</p> | | |
| 5) Computing Concepts | 1 | 1 |
| <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: CPTe 100 or a Major from the School of Computing. Students that have not completed a course covering word processing and spreadsheets must complete CPTe 105 and CPTe 106.</p> | | |

6) Historical Perspectives	3	3
Students will		
<ol style="list-style-type: none"> 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 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 		
<p>Complete 3 hours from: HIST 154, HIST 155, HIST 174, HIST 175, HIST 280, HIST 345, HIST 351, HIST 353, HIST 355, HIST 356, HIST 357, HIST 363, HIST 364, HIST 365, HIST 366, HIST 375, HIST 380, HIST 386, HIST 387, or HIST 388.</p>		
7) Natural Science	3 - 4	3 - 4
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>Complete 3 hours from: BIOL 101, BIOL 103, BIOL 151, BIOL 152, CHEM 107, CHEM 111 & CHEM 113, CHEM 151, ERSC 105, PHYS 127, PHYS 128, PHYS 155, PHYS 211 & PHYS 213, or PHYS 221 & PHYS 223.</p>		
8) Human Development	3	0
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>Complete: PSYC 128 or SOCI 125.</p>		
9) Stewardship, Business and Economics	3	0
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>Bachelor's degree candidates must complete 3 hours from: BUAD 126, BUAD 128, ECON 213, ECON 224, NRSRG 485, NURS 450, or PLSC 224.</p>		
10) Aesthetic Analysis	3	0
Apply critical thinking and reflective judgment to creative works of literature, music, or art from a Seventh-day Adventist world view.		

Bachelor's degree candidates must complete 3 hours from: ARTH 218, ARTH 318, ARTH 335, ARTH 325, ARTH 345, COMM 326, ELIT 214, ELIT 215, ELIT 216, ELIT 323, ELIT 332, ELIT 333, ELIT 335, ELIT 337, ELIT 338, ELIT 340, ELIT 368, ELIT 417, ELIT 425, ELIT 442, ELIT 444, ELIT 445, HMNT 205, MUCH 216, MUHL 115, MUHL 120, or MUHL 218.

P. Physical Development

4 2

Student Learning Goal: 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.

Rationale: 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.

Requirements: Bachelor's degree students must complete all requirements in area P. Associate degree students must complete P.1 and a single course from P.2.

1-a) Fitness for Collegiate Life

1 1

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.

Complete: PEAC 125.

1-b) Physical Activity

2 1

Students will participate in courses that introduce them to physical activities that promote healthy living for the present and future.

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.

1-c) Fit for Hire

1 0

Students will demonstrate their physical fitness for employment through physical activity measures.

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	23-24
Area P– Physical Development	4	2
Totals	45-46	31-32

Programs of Study

Allied Health

Chair: Keith Snyder

Faculty: Joyce L. Azevedo, L. Ann Foster, Rick Norskov, Keith Snyder, Tim Trott

Program Adviser: Robert Young

Program Coordinator: Randy Bishop

Medical Laboratory Science Adviser: Robert Young

Medical Laboratory Science: Marcia Kilsby, Albert McMullen, Karen Reiner, Richard Show

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 preprofessional 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: Bob Young

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 admission through a separate admission process to the Andrews University Program for Medical Laboratory Sciences. Acceptance into the Program is determined by the Program's Admissions Committee. To be eligible for admission, 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. Although acceptance to Andrews Program is granted during the winter semester of the junior year, the acceptance 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, the 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	43
General Education	32
Electives to = 94	—
TOTAL at Southern	94
One year of clinicals at Andrews	56
TOTAL	150

Required Core Courses

- ALHT 225 - Introduction to Clinical 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 340 - Immunology 3 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
- MATH 215 - Statistics (IN-4) 3 hours
- UD Biology Elective* 3 hours
- TOTAL 43 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 361 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	35
General Education	27
Electives to = 64	
TOTAL	64

Required Courses

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 111 - Survey of Chemistry I (IN-7) 3 hours
 CHEM 113 - Survey of Chemistry Laboratory I (IN-7) 1 hour
 CHEM 114 - Survey of Chemistry Laboratory II 1 hour
 CHEM 120 - Survey of Health Chemistry 3 hours
 BIOL 225 - Basic Microbiology 4 hours
 HLED 173 - Health for Life 2 hours *
 MATH 120 - Precalculus Algebra 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

TOTAL 35 HOURS

* *May be substituted by NRNT 125 or HLNT 135*

** *A student may petition to take MATH 215 to meet general education requirements*

NOTE: C is the lowest acceptable grade

Recommended: BIOL 255

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 or R-3

RELT 138, RELT 225, RELT 255, or any RELB course except RELB 125 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

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

TOTAL 1 HOUR

Area IN-6

Any HIST course 3 hours

TOTAL 3 HOURS

Area IN-10

Aesthetic Analysis (must take from two subject areas) 5 hours

TOTAL 5 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 1 hour

TOTAL 1 HOUR

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 prerequisite 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	36
General Education	25
Electives to = 64	
TOTAL	64

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

- 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 111 - Survey of Chemistry I (IN-7) 3 hours

CHEM 113 - Survey of Chemistry Laboratory I (IN-7) 1 hour
 CHEM 114 - Survey of Chemistry Laboratory II 1 hour
 CHEM 120 - Survey of Health Chemistry 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
TOTAL 36 HOURS

Note: C is the lowest acceptable grade

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 or R-3

RELT 138, RELT 225, RELT 255, or any RELB course except RELB 125 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-6

HIST 174 - World Societies to 1500 (IN-6) 3 hours
 or HIST 175 - World Societies since 1500 (IN-6) 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 1 hour
TOTAL 1 HOUR

Select 3 hours from the following:

- ARTH 218 - Art Appreciation (IN-10) 3 hours
- or ELIT 216 - Approaches to Literature (IN-10) 3 hours
- or HMNT 205 - Arts and Ideas (IN-10) 3 hours
- or MUHL 115 - Music in Western Culture (IN-10) 3 hours

TOTAL 3 HOURS

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	33
General Education	28
Electives to = 64	
TOTAL	64

Required Courses

- 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
- 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

TOTAL 33 HOURS

Note: C is the lowest acceptable grade

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 or R-3

RELT 138, RELT 225, RELT 255, or any RELB course except RELB 125 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

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

Area IN-6

HIST 154 - American History to 1877 (IN-6) 3 hours
 or HIST 155 - American History since 1877 (IN-6) 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 3 HOURS

Area IN-10

Aesthetic Analysis (must take from two subject areas) 6 hours
TOTAL 6 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 1 hour
TOTAL 1 HOUR

Electives

Electives to make a total of 64 hours

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	41-42
General Education	32
Electives to = 92 (Must include 15 UD, 9 of which must be in one content area)	
TOTAL	92

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

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
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 NRSNG 316 - Applied Statistics for Health Professions (IN-4)	3 hours
TOTAL	41-42 HOURS

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 or R-3

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
or RELB course except RELB 125.	

TOTAL 3 HOURS

Area R-4 UD

RELB, RELT, or RELP upper division course	3 hours
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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-9

BUAD 126 - Introduction to Business (IN-9) 3 hours

or BUAD 128 - Personal Finance (IN-9) 3 hours

or ECON 213 - Survey of Economics (IN-9) 3 hours

or ECON 224 - Principles of Macroeconomics (IN-9) 3 hours

or PLSC 224 - Principles of Macroeconomics (IN-9) 3 hours

or Sociology Elective

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 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	34
General Education	22
Electives to = 64	
TOTAL	64

Required Courses

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
HLED 173 - Health for Life	2 hours *
MATH 215 - Statistics (IN-4)	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
Area IN-10 Aesthetic Analysis (must be taken from two subject areas)	6 hours
PHYS 127 - Exploring Physics I (IN-7)	3 hours ***
or PHYS 128 - Exploring Physics II (IN-7)	3 hours
TOTAL 34 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

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 or R-3

RELT 138, RELT 225, RELT 255 or any RELB course except RELB 125 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

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

TOTAL 1 HOUR

Area IN-6

HIST 154 - American History to 1877 (IN-6) 3 hours

or HIST 155 - American History since 1877 (IN-6) 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 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 1 hour

TOTAL 1 HOUR

Electives

Electives to make a total of 64 hours

Biology

Chair: Keith Snyder

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

Research Professor: Lee Spencer

Adjunct Faculty: Roger Hall

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, Robert Young

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 results of these exams 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.

Biology Core

Required 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

Choose one of the following:

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 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 409 - Smoky Mountain Flora 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 312 - Vertebrate Natural History 3 hours
- BIOL 314 - Ornithology 3 hours
- BIOL 320 - Entomology 3 hours
- BIOL 411 - Mammalogy 3 hours

BIOLOGY, BIOMEDICAL EMPHASIS, B.S.

Biology Core	42
Cognates	23
General Education	42
Electives to = 124	
TOTAL	124

Required Core

- Biology Core
- TOTAL 42 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
- Biology Elective Areas 3 hours

**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	42
Cognates	23
General Education	42
Electives to = 124	
TOTAL	124

Required Core

Biology Core	
TOTAL 42 HOURS	

Required Cognates*

BIOL 297 - Research in Biology	1-2 hours (2 hours required)
BIOL 305 - Proposal Writing (W)	1 hour
BIOL 496 - Senior Thesis (W)	1 hour
Biology Elective Areas (any area)	3 hours
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*

Highly Recommended

BIOL 297 - Research in Biology	1-2 hours
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BIOLOGY, B.A.

Biology Core	42
Minor (Chemistry-10; Other-18)	10-18
General Education	42
Elementary Foreign Language*	0-6
Electives to = 124	
TOTAL	124

Required Core

Biology 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
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	9
General Education	27
Elementary Foreign Language*	0-6
Professional Education	36
SDA Certification	14
TOTAL	128-135

Required Core

Biology 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 127 - Exploring Physics I (IN-7) 3 hours

PHYS 128 - Exploring Physics II (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 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 MINOR

Required Courses

- BIOL 151 - General Biology (IN-7) 4 hours
- BIOL 152 - General Biology (IN-7) 4 hours
- Biology Electives 10 hours*
- TOTAL 18 HOURS**

**A minimum of six hours must be upper division.*

School of Business

Accredited through the International Assembly for Collegiate Business Education (IACBE)

Dean: Mark Hyder

Faculty: Michelle Doucoumes, Sunia Fukofuka, H. Robert Gadd, Mark Guild, Julie Hyde, Mark Hyder, Lisa Kuhlman, Luceta McRoy, Braam Oberholster, Stephanie Sheehan, Dennis Steele, Dale Walters, Leon Weeks, John Youngberg

Adjunct Faculty: Elisa Adeogun, John Cosgrove, Scott Edens, Tish Erdmann, Doug Frood, Patrick Lucas, Greg Mitchell, Robert Montague, John Nunes, Cliff Olson, John Stover, Mark Waldrop, Jon Wentworth, Robert Young

Program Coordinators:

Accounting, Julie Hyde

Auto Service Management, Dale Walters

Business Administration, Leon Weeks

Business Administration and Public Relations, Lisa Kuhlman and Linda Crumley

Computer Information Systems, Leon Weeks and Rick Halterman

Construction Management, John Youngberg

Finance, Dennis Steele

Long Term Care Administration, Luceta McRoy

Management, Braam Oberholster

Marketing, Mark Guild

Graduate Studies Coordinator: Nelly Montoya

Institute for Ethical Leadership: Stephanie Sheehan

Enactus: Stephanie Sheehan

Business Advisory Board: James Catanzaro, Ken DeFoor, Franklin Farrow, Walt Fennel, Danny Garcia, Josef Ghosn, David Jimenez, Steve Johnson, Warren Logan, Nathan McKee, Harry Miller, Linda White, David Ruhling, John Satelmajer, John Sterner, Mark Waldrop

Advisory Councils: Long Term Care Administration: Scott Edens, Tish Erdmann, Jo Edwards, Kelly Falcon, Michelle Givens, Shari McQuistan, David Rodman, Mark Waldrop, Robert Young

Mission Statement

The mission of the School of Business lies within the mission of Southern Adventist University. 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.

Admission Requirements for School of Business

Those pursuing a degree program in the School of Business must complete a Student Statement of Intent upon enrollment their freshman/transfer year. This form is available from your adviser. For admission, the following steps must be completed:

- Incoming freshmen, change of majors, and transfer students with less than 30 semester hours in business must complete steps 1, 2, and 3 listed below.
 - Students transferring with more than 30 semester hours in business who have completed steps 1 and 2 must apply for admission into the School of Business immediately upon completion of 9 semester hours of business courses in residence at Southern. The 30 semester business hour maximum is waived.
1. General education and cognate courses
These three courses must be completed with a minimum grade of C.
 - BUAD 217 - Business-Computer Concepts and Applications
 - ENGL 102 - Critical Thinking in Academic Reading and Writing II (IN-2)
 - MATH 120 - Precalculus Algebra (B.B.A. Majors)
 - MATH 215 - (B.S. Majors)
 2. Business core and major courses
Any four of these six courses must be completed with a four-course GPA of 2.50 and a minimum grade of C in all business courses.
 - ACCT 221 - Principles of Accounting I
 - ACCT 222 - Principles of Accounting II
 - ACCT 308 - Intermediate Accounting I
 - BMKT 326 - Principles of Marketing
 - ECON 224 - Principles of Macroeconomics (IN-9)
 - MGNT 334 - Principles of Management

Application for admission to the School of Business

Application for admission must be made on or before completing 30 semester hours of business courses. Students must apply for admission to the SBM after completing steps 1 and 2. Business courses taken in excess of 30 semester hours before acceptance in the School of Business may not count toward business degree graduation requirements.

Applications are available at the office of the School of Business.

Accreditation

Southern Adventist University has received specialized accreditation for its business and business-related programs through the International Assembly 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, Long Term Care Administration, and Sports Studies
- Master of Business Administration

Residency Requirements

- B.B.A. Degrees - 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.
- B.S. Business Administration LTC Degree - 30 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.

Degree Requirements

1. A minimum cumulative GPA of 2.25 in the major.
2. Courses with grades lower than “C” (2.00) in the major studies and cognates must be repeated.
3. 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.)
4. The following residency requirements and courses **MUST BE TAKEN** in residence at Southern Adventist University in various School of Business majors:

School of Business Majors

B.B.A./B.S. Core - Residency Requirements (all majors)

BUAD 358 - Ethical, Social, and Legal Environment of Business (W) 3 hours

MGNT 464 - Business Strategies (W) 3 hours (Must be taken in senior year)

BUAD 288 - Seminar in Business Administration 1 hour

or BUAD 488 - Seminar in Business Administration 1 hour

TOTAL 7 HOURS

Computer Information Systems Major - Residency Requirements

Nine hours in major 9 hours

Financial Management Major - Residency Requirements

Accounting Concentration

Nine upper division hours in concentration (in consultation with adviser) 9 hours

TOTAL 9 HOURS

Finance Concentration

Nine upper division hours in concentration (in consultation with adviser) 9 hours

TOTAL 9 HOURS

Management Major - Residency Requirements

Entrepreneurship Concentration

MGNT 371 - Principles of Entrepreneurship 3 hours

MGNT 372 - Small Business Management 3 hours

Three additional hours in concentration 3 hours

TOTAL 9 HOURS

General Management Concentration

MGNT 450 - Leadership in Organizations 3 hours

Six additional hours in concentration 6 hours

TOTAL 9 HOURS

Human Resource Management Concentration

MGNT 368 - Multicultural Management 3 hours

MGNT 460 - Compensation and Benefits 3 hours

Three hours in a psychology course 3 hours

TOTAL 9 HOURS

International Business Concentration

MGNT 368 - Multicultural Management 3 hours

Six additional hours in concentration 6 hours

TOTAL 9 HOURS

Marketing Major - Residency Requirements

BMKT 424 - Marketing Strategy 3 hours

Six additional hours in concentration 6 hours

TOTAL 9 HOURS

LTCA Major - Residency Requirements

LTCA 431 - General Administration of the Long Term Care Facility I 3 hours

LTCA 432 - General Administration of the Long Term Care Facility II 3 hours

LTCA 434 - Financial Management of the Long Term Care Facility 3 hours

LTCA 435 - Human Resource Management and Marketing of the Long Term Care Facility 3 hours

LTCA 492 - Long Term Care Administration Internship (SERV-2) 2-8 hours

TOTAL 16-20 HOURS

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 School offers the following degrees:

1. Bachelor of Business Administration degree (B.B.A.) with majors in Accounting, Computer Information Systems, Finance, Management and Marketing. Within one of these majors, the student may choose a concentration:
Management major:
 - Entrepreneurship
 - General Management
 - Human Resource Management
 - International Business
2. Bachelor of Science degree (B.S.) with majors in Business Administration, Long Term Care Administration, and Business Administration and Public Relations
3. Associate of Science degree (A.S.) in Accounting, Business Administration, and Personal Selling
4. A BBA/MBA concentration for the Bachelor of Business Administration degree and the Master of Business Administration degree in a five year period.

BACHELOR OF BUSINESS ADMINISTRATION

B.B.A. 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 128 - Personal Finance (IN-9) 3 hours

BUAD 217 - Business-Computer Concepts and Applications 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 **

ECON 224 - Principles of Macroeconomics (IN-9) 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 - Managing Business Networks and Operations 3 hours

MGNT 364 - International Business and Economics 3 hours

MGNT 464 - Business Strategies (W) 3 hours

BUAD 288 - Seminar in Business Administration 1 hour

or BUAD 488 - Seminar in Business Administration 1 hour

Select one of the following courses for 0-3 hours:*

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 47 HOURS

Required Cognate

MATH 120 - Precalculus Algebra 3 hours

**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*

ACCOUNTING, B.B.A.

BBA Core	47
BBA Cognate	3
Major	30
General Education	42
Electives to = 124	
TOTAL	124

Required Courses

B.B.A. Core 47 hours
ACCT 308 - Intermediate Accounting I 3 hours
ACCT 309 - Intermediate Accounting II 3 hours
ACCT 322 - Cost Accounting 3 hours
ACCT 443 - Accounting Systems 3 hours
ACCT 452 - Auditing 3 hours
ACCT 456 - Federal Taxation 3 hours
UD ACCT Electives 6 hours
UD Electives ACCT/BMKT/BUAD/ECON/FNCE/MGNT 6 hours
TOTAL 77 HOURS

Accounting majors need 150 semester hours before sitting for the CPA examination in Tennessee and most other jurisdictions.

COMPUTER INFORMATION SYSTEMS, B.B.A.

BBA Core	47
BBA Cognate	3
Major	25
Cognate	1-3
General Education	42
Electives to = 124	
TOTAL	124

Required Courses

B.B.A. Core 47 hours
CPIS 443 - Software Evaluation 3 hours
CPTC 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 309 - Software Engineering 3 hours
CPTR 319 - Database Management Systems 3 hours
CPTR 488 - Senior Project 2 hours
TOTAL 72 HOURS

Required Cognate

CPTE 110 - Introduction to Web Development 1 hour or JOUR 242 - Introduction to Web Design 3 hours

FINANCE, B.B.A.

BBA Core	47
BBA Cognate	3
Major	21
General Education	42
Electives to = 124	
TOTAL	124

Required Courses

- B.B.A. Core 47 hours
 - ACCT 308 - Intermediate Accounting I 3 hours
 - ACCT 309 - Intermediate Accounting II 3 hours
 - FNCE 450 - Working Capital Management 3 hours
 - UD Finance courses (excluding FNCE 491 and FNCE 492) or ACCT 456 12 hours
- TOTAL 68 HOURS**

MANAGEMENT, B.B.A.

BBA Core	47
BBA Cognate	3
Concentrations	18-24
Cognates	3-18
General Education	39-42
Total to = 124	
TOTAL	124-134

ENTREPRENEURSHIP CONCENTRATION

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 420 - Organizational Behavior 3 hours
 - MGNT 450 - Leadership in Organizations 3 hours
 - UD Electives ACCT/BMKT/BUAD/ECON/FNCE/MGNT 6 hours
- TOTAL 68 HOURS**

GENERAL MANAGEMENT CONCENTRATION

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 Electives ACCT/BMKT/BUAD/ECON/FNCE/MGNT 6 hours
- TOTAL 65 HOURS**

HUMAN RESOURCE MANAGEMENT CONCENTRATION**Required Courses**

B.B.A. Core 47 hours
 PSYC 253 - Industrial/Organizational Psychology 3 hours
 PSYC 357 - Psychological Testing 3 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
 MGNT 460 - Compensation and Benefits 3 hours
 UD Elective ACCT/BMKT/BUAD/ECON/FNCE/MGNT 3 hours
TOTAL 71 HOURS

Required Cognate

PSYC 224 - Social Psychology 3 hours

INTERNATIONAL BUSINESS CONCENTRATION**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 Electives ACCT/BMKT/BUAD/ECON/FNCE/MGNT 6 hours
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 Cognates

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
TOTAL 65-71 HOURS

MARKETING, B.B.A.

BBA Core	47
BBA Cognate	3
Major	24
General Education	42
Electives to =124	
TOTAL	124

Required Courses

- B.B.A. Core 47 hours
- BMKT 327 - Consumer Behavior 3 hours
- BMKT 345 - E-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
- JOUR 208 - Publication Tools and Techniques 3 hours

Select three (3) hours from the following:

- BMKT 229 - Personal Selling 3 hours
- BMKT 375 - International Marketing 3 hours
- PREL 344 - Fundamentals of Advertising 3 hours
- PREL 455 - Public Relations Strategy and Management 3 hours

TOTAL 71 HOURS

BUSINESS ADMINISTRATION AND PUBLIC RELATIONS, B.S.

Major	70-74
General Education	42
Electives to =	124
TOTAL	124

BUSINESS ADMINISTRATION

(The dual major provides students with the option to develop skills in two fields of study. Because of the joint course requirements, the dual major requires only four hours above the graduation requirement from a single major in Business Administration. May require an additional semester in the program)

Required Courses

- ACCT 221 - Principles of Accounting I 3 hours
- ACCT 222 - Principles of Accounting II 3 hours
- BUAD 217 - Business-Computer Concepts and Applications 3 hours
- BUAD 312 - Professional Communication and Leadership 3 hours
- BUAD 339 - Business Law 3 hours
- BMKT 326 - Principles of Marketing 3 hours
- ECON 224 - Principles of Macroeconomics (IN-9) 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 128 - Personal Finance (IN-9) 3 hours
 - or ECON 225 - Principles of Microeconomics 3 hours
- BUAD 288 - Seminar in Business Administration 1 hour
 - or BUAD 488 - Seminar in Business Administration 1 hour
- 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 103 - Introduction to Mass Communication 3 hours
- COMM 397 - Communication Research (W) 3 hours
- JOUR 105 - Writing for the Media 3 hours
- JOUR 208 - Publication Tools and Techniques 3 hours
- PREL 235 - Public Relations Principles and Theory 3 hours
- PREL 344 - Fundamentals of Advertising 3 hours
- PREL 392 - Public Relations Internship 1-3 hours (2-3 hours required)
- 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

Select three (3) hours from the following:

- BUAD 358 - Ethical, Social, and Legal Environment of Business (W) 3 hours
- JOUR 427 - Mass Media Law and Ethics 3 hours

TOTAL 35-36 HOURS

TOTAL 70-74 HOURS

Recommended Course

- PREL 368 - Fundraising for Nonprofits (SERV-2) 3 hours

BUSINESS ADMINISTRATION, B.S.

Major	47
Cognate	0-3
General Education	42
Electives to =	124

TOTAL 124

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 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
- ECON 224 - Principles of Macroeconomics (IN-9) 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 - Managing Business Networks and Operations 3 hours
- MGNT 364 - International Business and Economics 3 hours
- MGNT 464 - Business Strategies (W) 3 hours
- BUAD 288 - Seminar in Business Administration 1 hour
or BUAD 488 - Seminar in Business Administration 1 hour

Select one of the following courses for 0-3 hours:*

ACCT 261, ACCT 461, ACCT 491, ACCT 492; BMKT 491, BMKT 493; BUAD 491, BUAD 492; FNCE 491, FNCE 492; MGNT 491, 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)

LONG TERM CARE ADMINISTRATION, B.S.

Major	64-70
Cognates	3-6
General Education	42
Electives to = 124	
TOTAL	124

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 217 - Business-Computer Concepts and Applications 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
- ECON 224 - Principles of Macroeconomics (IN-9) 3 hours
- ECON 225 - Principles of Microeconomics 3 hours
- FNCE 315 - Principles of Finance 3 hours
- LTCA 288 - Seminar in Health Service Administration 1 hour
- LTCA 390 - Internship in Home and Community Based Organizations 1 hour
- LTCA 431 - General Administration of the Long Term Care Facility I 3 hours
- LTCA 432 - General Administration of the Long Term Care Facility II 3 hours
- LTCA 434 - Financial Management of the Long Term Care Facility 3 hours
- LTCA 435 - Human Resource Management and Marketing of the Long Term Care Facility 3 hours
- LTCA 490 - Internship in Assisted Living/Residential Care Community 1 hour
- LTCA 492 - Long Term Care Administration Internship (SERV-2) 2-8 hours
- MGNT 334 - Principles of Management 3 hours
- MGNT 344 - Human Resource Management 3 hours
- MGNT 350 - Managing Business Networks and Operations 3 hours
- MGNT 420 - Organizational Behavior 3 hours
- MGNT 464 - Business Strategies (W) 3 hours
- BUAD 288 - Seminar in Business Administration 1 hour
or BUAD 488 - Seminar in Business Administration 1 hour

TOTAL 64-70 HOURS

* Recommend to take in junior year

Students selecting the LTCA major are required to enter the major with a minimum ACT English score of 19. Students lacking this requirement may retake the ACT English portion of the exam in order to meet the minimum requirement.

Students who have previously earned a bachelor's degree from an accredited college or university and who have completed all course work equivalent to the B.S. Business Administration may receive a Bachelor of Science degree with a major in long-term care upon the completion of 20 hours of courses including LTCA 288, LTCA 431, LTCA 432, LTCA 434, LTCA 435, LTCA 492; MGNT 344. The LTCA 431, LTCA 432, LTCA 434, and LTCA 435 courses are prerequisites for LTCA 390, LTCA 490, and LTCA 492.

This exception (of 20 hours) to the 30-hour residence requirement applies only to those who have completed all other major course requirements for the long-term care degree at another institution and have received a bachelor's degree. Regular admission to the LTCA program is subject to receipt of an official transcript showing completion of the bachelor's degree from an accredited institution.

Required Cognates

MATH 117 - College Algebra 3 hours (only if MATH ACT below 18)
 PSYC 349 - Aging and Society (W) 3 hours

Recommended Courses

BIOL 101 - Anatomy and Physiology (IN-7) 4 hours
 BUAD 128 - Personal Finance (IN-9) 3 hours
 COMM 330 - Intercultural Communication (W) 3 hours
 RELT 373 - Christian Ethics (R-4) 3 hours

ACCOUNTING, A.S.

Major	30
General Education	28
Electives to = 64	
TOTAL	64

Required Courses

ACCT 221 - Principles of Accounting I 3 hours
 ACCT 222 - Principles of Accounting II 3 hours
 ACCT 308 - Intermediate Accounting I 3 hours
 ACCT 309 - Intermediate Accounting II 3 hours
 BUAD 128 - Personal Finance (IN-9) 3 hours
 BUAD 217 - Business-Computer Concepts and Applications 3 hours
 BUAD 358 - Ethical, Social, and Legal Environment of Business (W) 3 hours
 ECON 224 - Principles of Macroeconomics (IN-9) 3 hours
 UD Accounting Electives 6 hours
TOTAL 30 HOURS

BUSINESS ADMINISTRATION, A.S.

Major	33
General Education	28
Electives to = 64	
TOTAL	64

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 312 - Professional Communication and Leadership	3 hours
ECON 224 - Principles of Macroeconomics (IN-9)	3 hours
ECON 225 - Principles of Microeconomics	3 hours
MGNT 334 - Principles of Management	3 hours
UD Electives ACCT/BMKT/BUAD/ECON/FNCE/MGNT	6 hours
TOTAL	33 HOURS

Recommended Elective

BMKT 328 - Sales Management	3 hours
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PERSONAL SELLING, A.S.

Major	37
Cognate	3
General Education	28
TOTAL	68

Required Courses

BMKT 229 - Personal Selling	3 hours
BMKT 292 - Sales Internship	3 hours
BMKT 326 - Principles of Marketing	3 hours
BMKT 327 - Consumer Behavior	3 hours
BMKT 328 - Sales Management	3 hours
BUAD 128 - Personal Finance (IN-9)	3 hours
BUAD 217 - Business-Computer Concepts and Applications	3 hours
BUAD 288 - Seminar in Business Administration	1 hour
BUAD 339 - Business Law	3 hours
MGNT 334 - Principles of Management	3 hours
Business Elective	3 hours
ACCT 103 - College Accounting	3 hours
or ACCT 221 - Principles of Accounting I	3 hours
ECON 213 - Survey of Economics (IN-9)	3 hours
or ECON 224 - Principles of Macroeconomics (IN-9)	3 hours
TOTAL	37 HOURS

Required Cognates

MATH 120 - Precalculus Algebra	3 hours
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Recommended Elective

BUAD 312 - Professional Communication and Leadership 3 hours
 or COMM 240 - Communication Theory 3 hours

BUSINESS ADMINISTRATION MINOR**Required Courses**

ACCT 221 - Principles of Accounting I 3 hours
 ACCT 222 - Principles of Accounting II 3 hours
 ECON 224 - Principles of Macroeconomics (IN-9) 3 hours
 UD Business Elective 6 hours
 MGNT 334 - Principles of Management 3 hours
 or MGNT 344 - Human Resource Management 3 hours

TOTAL 18 HOURS**ENTREPRENEURIAL MANAGEMENT MINOR****Required Courses**

ACCT 103 - College Accounting 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
 Electives in Mgmt/Mktg 6 hours

TOTAL 18 HOURS

** Does not apply for business majors*

FINANCE MINOR**Required Courses**

ACCT 308 - Intermediate Accounting I 3 hours
 FNCE 315 - Principles of Finance 3 hours
 FNCE 450 - Working Capital Management 3 hours
 FNCE 452 - Financial Markets, Rates, and Flows 3 hours
 FNCE 455 - Fundamentals of Investments 3 hours
 Elective ACCT/BMKT/BUAD/ECON/FNCE/MGNT 3 hours

TOTAL 18 HOURS**HUMAN RESOURCE MANAGEMENT MINOR****Required Courses**

BUAD 312 - Professional Communication and Leadership 3 hours
 BUAD 358 - Ethical, Social, and Legal Environment of Business (W) 3 hours
 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 357 - Psychological Testing 3 hours

TOTAL 21 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
UD Electives Business 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 328 - Sales Management 3 hours
BMKT 424 - Marketing Strategy 3 hours
UD Electives in Marketing 3 hours
TOTAL 18 HOURS

Recommended Cognate

ECON 225 - Principles of Microeconomics 3 hours

NONPROFIT MINOR

Required Courses

ACCT 221 - Principles of Accounting I 3 hours
BMKT 326 - Principles of Marketing 3 hours
BUAD 233 - Introduction to the Nonprofit Sector (SERV-2) 3 hours
MGNT 334 - Principles of Management 3 hours
MGNT 452 - Christian Missionary Entrepreneurship 3 hours
PREL 368 - Fundraising for Nonprofits (SERV-2) 3 hours
TOTAL 18 HOURS

SALES MINOR

Required Courses

BMKT 229 - Personal Selling 3 hours
BMKT 326 - Principles of Marketing 3 hours
BMKT 327 - Consumer Behavior 3 hours
BMKT 328 - Sales Management 3 hours
COMM 336 - Interpersonal Communication 3 hours
BMKT 292 - Sales Internship 3 hours
or BMKT 493 - Marketing Internship 0-3 hours (3 hours required)
TOTAL 18 HOURS

Chemistry

Chair: Brent Hamstra

Faculty: Loren Barnhurst, Brent Hamstra, Mitch Menzmer, Bruce Schilling, Rhonda Scott

Program Coordinator: All majors, 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, pharmacology, patent law, and forensic science. In a recent article published in the Journal of Forensic Science, crime lab directors stated they would preferentially hire individuals with a B.S. in chemistry. 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.

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 achieve a grade of C- or above in their chemistry courses.

CHEMISTRY, B.S.

Major	42
Cognates	21
General Education	42
Electives to = 124	
TOTAL	124

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
Electives to = 124	
TOTAL	124

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
Elementary Foreign Language*	0-6
Electives to =	124
TOTAL	124

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
Elementary Foreign Language*	0-6
Professional Education	36
SDA Certification (3 hours in cognates)	14
TOTAL	135-138

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 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, 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, Michael Dant, Tyson Hall, Richard Halterman, Timothy D. Korson, 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, Computer Science Concentration, 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. The B.S. degree in Computer Science, Embedded Systems Concentration, is designed to prepare students for work in the exciting field of embedded systems. Embedded systems professionals are a type of computer engineer who deals with the use of computers which are embedded in other systems, such as automobiles, robots, PDAs, etc. Computer science professionals in both areas 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 bachelor degree in Computer Information Systems, offered in conjunction with the School of Business, is accredited by the International Assembly for Collegiate Business Education.

The B.S. in Computer Systems Administration 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 (including both the Computer Science and Embedded Systems concentrations) is accredited by the Computing Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012-telephone: 410.347.7700.

The B.B.A. in Computer Information Systems program is accredited through the International Assembly 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.

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.

Core	29
Concentration	16-19
Cognates	24-33
General Education	39
Electives to = 124	
TOTAL	124

Required Core

- CPHE 200 - Digital Logic and Design 4 hours
- CPHE 222 - Organization, Architecture and Assembly Language 4 hours
- 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 365 - Operating Systems 3 hours
- CPTR 486 - Senior Seminar (W) 2 hours
- CPTR 488 - Senior Project 2 hours
- TOTAL 29 HOURS**

* CPTR 318 is recommended in sophomore year

COMPUTER SCIENCE CONCENTRATION

Required Courses

- Core 29 hours
- CPTR 309 - Software Engineering 3 hours
- CPTR 319 - Database Management Systems 3 hours
- CPTR 405 - Organization of Programming Languages 3 hours
- CPTR/CPHE Electives (3 hrs must be UD; 4 hrs may be from CPHE) 7 hours
- TOTAL 45 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

Additional Science and Math Courses:

Take additional approved science and mathematics courses to make a total of at least 30 hours of approved science and mathematics. Approved science courses consist of courses from the above list (the course must include the laboratory), and any upper division BIOL, CHEM, or PHYS course, except BIOL 421 or PHYS 317. Approved mathematics courses consist of MATH 218 and all upper division MATH courses.

EMBEDDED SYSTEMS CONCENTRATION

Required Courses

Core 29 hours
CPHE 310 - Introduction to Signal Processing 4 hours
CPHE 322 - Analog Electronics 4 hours
CPHE 380 - Microcontroller Design 4 hours
CPHE 410 - Computer Interfacing 4 hours
CPTR/CPHE UD Elective 3 hours

TOTAL 48 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
MATH 315 - Differential Equations 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) from the following courses:

BIOL 151 - General Biology (IN-7) 4 hours
 CHEM 151 - General Chemistry (IN-7) 4 hours
TOTAL 46-48 HOURS

COMPUTER SYSTEMS ADMINISTRATION, B.S.

Major	47
Cognates	15
General Education	39
Electives to = 124	
TOTAL	124

Required Courses

CPIS 443 - Software Evaluation 3 hours
 CPTC 212 - Web Programming 3 hours
 CPTC 230 - Windows Administration 3 hours
 CPTC 254 - UNIX Systems Administration 3 hours
 CPTC 316 - Application Software Support 3 hours
 CPTC 433 - Network Administration 3 hours
 CPTC 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 432 - Managing and Programming Mobile Applications 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
 JOUR 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	
TOTAL	124

Required Courses

CPHE 200 - Digital Logic and Design 4 hours
CPHE 222 - Organization, Architecture and Assembly Language 4 hours
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 319 - Database Management Systems 3 hours
CPTR 328 - Principles of Networking 3 hours
CPTR 365 - Operating Systems 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 Electives

CPTR 309 - Software Engineering 3 hours
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: John McCoy

Faculty: Krystal Bishop, Liane de Souza, Bonnie Eder, Alfredo Fuentes, Ileanna Freeman, Faith Laughlin, John McCoy, Cathy Olson, Cristy Pratt, Carleton Swafford, Douglas Tilstra, Tron Wilder, Ruth Williams

Program Directors and Coordinators:

Liberal Arts K-5 Teacher Education, Krystal Bishop
Secondary Teacher Education, Faith Laughlin and Cathy Olson
Clinical Psychology, Ileanna Freeman
Industrial/Organizational Psychology, Cristy Pratt
Psychology/Psychobiology, Ruth Williams
Psychology, Family Systems,
Outdoor Education, Doug Tilstra (graduate program)
Counseling, Ileanna Freeman (graduate program)
Master's in Education, Bonnie Eder (graduate program)

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.

Education students will be required to provide evidence of having passed a Tennessee Board of Investigation background check prior to entering classrooms. 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
 - Literacy Education
 - 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 prepare students with the knowledge, skills, and dispositions to 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:

- A. A caring person
- B. An informed and passionate learner
- C. A scientific thinker, and
- D. 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:

- A. 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 environment contexts; familial, social, academic, religious, and cultural
 - Advocating and emulating the example of Christ-like service
- B. 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
- C. 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
- D. 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 accomplished following completion of twenty-four (24) academic credit hours and prior to taking upper division (300- or 400-level) psychology courses.

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. It is accredited by the Accrediting Association of Seventh-day Adventists Schools, Colleges and Universities. Additionally, the School is accredited by the National Council for Accreditation of Teacher Education (NCATE), www.ncate.org. This accreditation by NCATE covers both initial teacher education and the emphases of School Counseling and Literacy Education.

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:

- A. 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
- B. 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
- C. 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
- D. 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 five levels*:

K-8	SDA Elementary Education B.A. in Liberal Arts Education Leading to Licensure (K-5 TN)
Pre K-12	B.A. in French B.A. in Spanish English as a Second Language Teaching Endorsement
K-12	B.Mus. in Musice Education B.S. in Physical Education/Health
6-12 (TN)**	B.A. in Biology B.A. in Chemistry B.A. in English B.A. in History/Government B.A. or B.S. in Mathematics B.A. in Physics B.A. in Religious Education
9-12	Minor in Psychology (as an additional endorsement)

* *School Counseling licensure is available in a School Counseling Master's program.*

** *7-12 NAD Licensure*

Admission Procedures

Admission to Southern Adventist University does not automatically admit the student into teacher education. There are three stages that students must go through to successfully complete the Teacher Education Program prior to student teaching.

1. Initial Admission to the Teacher Education Program

Each student accepted at Southern Adventist University who indicated that teaching is his/her professional objective is assigned an educational program adviser by the Records and Advisement Office. The advisers assist in planning a student's academic program each year and guide their advisees through the stages of the Teacher Education Program. 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.

At the time of a student's Initial Admission to the Teacher Education Program (TEP), the current and subsequent catalogs will determine the requirements for completion of the program and graduation. Deviations to this policy will be valid only if mandated by the North American Division and/or the State of Tennessee Department of Education. Note: Courses with grades lower than "C-" in the major studies and those required for S.D.A. teaching licensure, or "C" (2.00) in the professional education must be repeated. At admission to student teaching, candidates must have a minimum 3.00 grade point average in the major studies and a minimum 3.00 grade point average in professional education.

The student must apply for Initial Admission to the Teacher Education Program (usually by the end of the third semester) after completing all requirements as outlined below. Initial admission is required before the student can enroll in most upper division education courses. The following criteria are required for each applicant.

1. Be in residence at the University.
2. Show evidence of professional dispositions at a developing level or higher.
3. In compliance with the Americans with Disabilities Act, students must be, with or without reasonable accommodation (physically and mentally), capable of performing the essential functions of the program.
4. Possess an overall grade point average of 3.00 or above.
5. Successfully complete EDUC 129 - Introduction to and Foundations of Elementary Education or EDUC 138 - Introduction to and Foundations of Secondary Education and ENGL 101 and ENGL 102 with a grade of C (2.00) or higher.
6. Possess an enhanced ACT/SAT composite or average score of 22 OR have passed 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. The ACT composite or average score of 22 or above will EXEMPT the Core Academic Skills for Educators test. In addition, there is an appeal process for students unable to pass the Core Academic Skills for Educators tests.
7. Submit a formal application.
8. Obtain recommendations from the Vice President of Student Development and the student's academic adviser.
9. Submit an initial admission professional portfolio in electronic format (Live-Text). Minimum score is "developing" or higher.
10. Complete successfully an initial interview with Teacher Education Faculty.
11. Provide evidence of having passed a Tennessee Board of Investigation background check. Disclosure of an offense must be made in writing to the School of Education and Psychology Dean within forty-eight (48) hours after an arrest.

12. Complete sex offender declaration specifying candidate is not a registered sex offender.

Applications meeting the above criteria are approved by the Teacher Education Council. The candidate will be informed in writing as to the status of the application for admission following the action of the Teacher Education Council.

Transfer Students

- Students transferring from another institution and desiring immediate admission to the TEP must provide two recommendations from professors at the institution from which they are transferring.
- Transfer students must present a Professional Development Portfolio that adheres to the TEP guidelines. Transfer students unable to meet the initial admission criteria for portfolios may be accepted to the TEP. As an admission requirement, students will develop the portfolio to meet EDUC 129 or EDUC 138 requirements and have an additional semester to bring the portfolio to Initial Admission requirements. The portfolio must be resubmitted to the corresponding program coordinator.
- Transfer students who are seeking licensure and have completed the majority of their field experiences at another institution will be required to complete EDUC 326 or EDUC 343.

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 admission to teach education are explicit, but allow for second chance attempts. 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. **It is recommended that students begin the appeal process in the third (3rd) semester.** Failure to submit an appeal by the end of the fourth (4th) semester will delay program completion by at least one semester. **Submission of an appeal does not guarantee admission to the TEP.** 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 proficient dispositions as evaluated by at least three faculty members, one of which must be a professional education faculty member.
- 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.
- 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.

If the minimum GPA is not met, an appeal should not be submitted. Candidates admitted by appeal are strongly encouraged to prepare for the Praxis II tests by attending the Praxis review sessions offered each semester.

2. Candidacy and Retention in Teacher Education

Retention in the Teacher Education Program is contingent on successful completion of courses attempted and maintenance of the knowledge, skills, and dispositions required for initial admission to the program. If the GPA falls below 3.00 or if a candidate does not demonstrate the dispositions expected of a committed professional an Action Plan for Remediation must be carried out. The steps for this plan include (a) plan developed in collaboration between the candidate and the Professor and/or Teacher Education adviser, (b) approval of the plan granted by the Teacher Education Council, (c) successful implementation of the plan. The results of the plan will be reported to the Teacher Education Council and shared with the student via email. Teacher candidates are expected to maintain consistent personal representation of the standards and objectives of Southern Adventist University and the Teacher Education Program.

3. Admission to Student Teaching

The teacher candidate must file a formal application with the faculty of the School of Education and Psychology for admission to student teaching. Application forms may be obtained from the School of Education and Psychology office in Summerour Hall. A late application may delay the student teaching experience. Student teaching is regarded as the culminating experience of the Teacher Education Program.

NOTE: Prior to the professional semester, the candidate must take and pass the PRAXIS II licensure exams-both the appropriate section of the Principles of Learning and Teaching, and the particular specialty test(s) for the licensure area(s). Each candidate must arrange for a Designated Institution Report to be sent by the testing service to Southern Adventist University as evidence of passing scores. All students planning to student teach in the fall semester should successfully pass all required Praxis II exams by the preceding March test date. All students planning to student teach in the winter semester should successfully pass all Praxis II exams by the preceding September test date.

The following criteria are required for each applicant:

1. Complete all professional education courses
2. Earn a cumulative minimum GPA of 3.00
3. Earn a Major Studies minimum GPA of 3.00
4. Earn A Professional Education minimum GPA of 3.00
5. Repeat any EDUC courses with grades lower than “C” (2.00)
6. Repeat any courses in the major with grades lower than “C-”
7. Repeat courses in the cognate with grades lower than “C-”
8. Obtain a minimum grade of C- in religion and health courses specifically required for S.D.A. teaching licensure
9. Demonstrate evidence of acceptable professional dispositions
10. In compliance with the Americans with Disabilities Act, students must be, with or without reasonable accommodation, (physically and mentally) capable of performing the essential functions of the program.
11. Adhere to standards and objectives of Southern Adventist University and the Teacher Education Program
12. Submit the following documents at least one semester in advance:
 - Application
 - Recommendation forms (adviser and recent education professor)
13. Pass all applicable PRAXIS II examinations
14. Complete a successful student teaching interview
15. Submit a completed Professional Development Portfolio in electronic format (LiveText). Must be at the proficient level or higher
16. Provide evidence of having passed a fingerprinted Tennessee Board of investigation background check. Disclosure of an offense must be made in writing to the School of Education and Psychology Dean with forty-eight (48) hours after an arrest
17. Provide evidence of CPR Certification
18. Provide evidence of First Aid Certification

Applicants meeting the above criteria are approved by the Teacher Education Council upon recommendation from the Teacher Education Advisory. The candidate will be informed in writing as to the status of the application for admission following the action of the Teacher Education Council.

In the event that the Teacher Education Council recommends a conditional acceptance, student teachers will be notified of the condition(s). The adviser and student teacher will collaborate in the development of an action plan. Student teachers accepted conditionally will receive additional coaching from the supervisor. Failure to complete the action plan satisfactorily will result in termination of the student teaching placement. The Teacher Education Council will then determine eligibility for continuing student teaching.

Candidates who do not meet all the criteria required to do Student Teaching may appeal to the Teacher Education Council. Submission of an appeal does not guarantee admission to Student Teaching.

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 teachers 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 PRAXIS II Examinations:
 - Principles of Learning and Teaching
 - Appropriate specialty area(s)

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 certificates may be obtained?

1. Initial Certificate (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 the following PRAXIS II Examinations: (1) Principles of Learning and Teaching, and (2) appropriate specialty area(s) 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 all life's responsibilities and provide 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 3.00 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 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.

4. The following departments/schools offer majors/minors that can be combined with professional education courses resulting in licensure to teach:

Biology	History/Government	Music	Physics
Chemistry	Mathematics	Physical Education	Religion
English	Modern Languages (French and Spanish)		

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 field 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:

- Because of time commitments during the student teaching experience, it is expected that any candidate entering student teaching will not be enrolled in additional classes without approval of the Teacher Education Council.
- Correspondence 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 a correspondence 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 before student teaching is begun.

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 are interested in pursuing the M.S. degree in Clinical Mental Health Counseling or School Counseling.

Major	56
Cognates	14-17
General Education	33-36
Electives to=124	
TOTAL	124

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, 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 of Counseling, Social Work, Marriage and Family Therapy, Family Studies, Early Childhood Development, and Public Administration.

Major	62
Cognates	14-17
General Education	33-36
Electives to = 124	
TOTAL	124

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	36-39
Electives to = 124	
TOTAL	124

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 pre-requisite. 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	33-39
Electives to = 124	
TOTAL	124

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 - Physiological Psychology 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

TOTAL 125-131

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 242 - Elementary Numeracy Concepts 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, 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 - Natives and Strangers (IN-6) (W) 3 hours
- HIST 154 - American History to 1877 (IN-6) 3 hours
or HIST 155 - American History since 1877 (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 238 - K-8 Bible Methods 3 hours
 EDUC 303 - Professional Seminar 1 hour
 EDUC 324 - Elementary Language Arts Methods 3 hours
 EDUC 326 - Elementary Reading 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 421 - Behavior Management-Elementary 2 hours
 EDUC 440 - Assessing and Remediating Math Difficulties 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
 EDUC 320 - Literacy in the Primary Grades 2 hours
 or EDUC 442 - Assessing and Remediating Reading Difficulties 2 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

or ECON 224 - Principles of Macroeconomics (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

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 2.50 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 2.50 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.

TOTAL 44 HOURS

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	36-39
Elementary Foreign Language*	0-6
Electives to = 124	
TOTAL	124

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.

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 317 - Introduction to Linguistics 3 hours

Select two (2) reading courses from the following:

- EDUC 320 - Literacy in the Primary Grades 2 hours
- EDUC 326 - Elementary Reading Methods 3 hours
- EDUC 434 - Reading and Writing in the Content Areas 2 hours
- EDUC 442 - Assessing and Remediating Reading Difficulties 2 hours

Select one three (3) hour diversity course as follows:

- COMM 330 - Intercultural Communication (W) 3 hours
- HIST 356 - Natives and Strangers (IN-6) (W) 3 hours
or SOCI 356 - Natives and Strangers (W) 3 hours
- 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.) also should 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 319 - Technology in Education 3 hours
 EDUC 338 - Foundations of Inclusive Education (SERV-2) 3 hours
 EDUC 341 - General Methods and Assessment 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
 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 20 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, Autumn Schilleman, Marcus Sheffield, Laurie Stankavich, Keely Tary, Linda Tym

Composition Coordinator: Amanda Livanos

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, and ENGL 132 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.

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.

Major	38
Cognates	12
Minor	18
General Education	42
Electives to = 124	
TOTAL	124

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 3 hours
- ENGL 317 - Introduction to Linguistics 3 hours
- ENGL 460 - Senior Research Project in English 1 hour
- 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 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 368 - Studies in Milton (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 442 - 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
- 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 1-3 hours (3 hours required)
 or ENGL 492 - English Internship 3 hours
TOTAL 38 HOURS

Required Cognates

HMNT 205 - Arts and Ideas (IN-10) 3 hours
 HIST 374 - History of England (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	39-41
Cognates	7
Minor	18
General Education	42
Elementary Foreign Language*	0-6
Electives to = 124	
TOTAL	124

Required Courses

ELIT 214 - Survey of American Literature (IN-10) 3 hours
 ELIT 215 - Survey of English 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 3 hours
 ENGL 313 - Expository Writing (W) 3 hours
 ENGL 320 - Rhetoric for Writers 3 hours
 ENGL 420 - Professional and Technical Writing 3 hours
 ENGL 460 - Senior Research Project in English 1 hour
 ENGL 307 - Creative Writing: Fiction (W) 3 hours
 or ENGL 308 - Creative Writing: Poetry (W) 3 hours
 ENGL 491 - English Practicum 1-3 hours
 or ENGL 492 - English Internship 3 hours

Select six (6) hours from the following literature courses:

ELIT 216 - Approaches to Literature (IN-10) 3 hours
 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 442 - 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

Select six (6) hours from the following courses:

- ENGL 414 - Mapping the Publication Maze 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
- JOUR 356 - In-depth Reporting (W) 3 hours

TOTAL 39-41 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	27
Professional Education	36
SDA Certification	14
TOTAL	126

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 3 hours
 ENGL 317 - Introduction to Linguistics 3 hours
 ENGL 460 - Senior Research Project in English 1 hour
 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 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 368 - Studies in Milton (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 442 - 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
 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 1-3 hours
 or ENGL 492 - English Internship 3 hours

TOTAL 37 HOURS

Required Cognates

- HMNT 205 - Arts and Ideas (IN-10) 3 hours
 HIST 374 - History of England (W) 3 hours
 Intermediate Foreign Language 6 hours

Professional Education Requirements

- EDUC 138 - Introduction to and Foundations of Secondary Education 3 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

Recommended for Teaching Majors

Choose one:

JOUR 175 - Communication Workshop 1-3 hours

JOUR 205 - News Reporting 3 hours

JOUR 208 - Publication Tools and Techniques 3 hours

JOUR 475 - Communication Workshop 1-3 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	
TOTAL	124

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 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 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 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 English courses:

- ELIT 323 - A Destiny in Reserve: American Classics of the Nineteenth Century (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 417 - Intercultural Contexts: Literatures of Power, Place, and People (IN-10) (W) 3 hours
 ELIT 442 - Shakespeare (IN-10) (W) 3 hours
 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 - Natives and Strangers (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 regular academic program. 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 this program. Students may not advance into the regular college composition 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 from one to three courses in the ESL program, and additional credit outside the ESL program, as approved by the ESL adviser, not to exceed a total load of 13 hours. The number of ESL 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 a newcomer to the university should register for three ESL courses. Students with scores over 60 may register for one to two ESL courses.

With the approval of the ESL adviser, a student who has already completed a semester of the ESL program may register for one or two ESL courses, depending on test scores and performance in ESL classes. ENGL 100 can meet this requirement.

Courses Offered

- EESL 123 - Language Skills: Grammar 1 (3 hours)
- EESL 124 - Language Skills: Grammar 2 (3 hours)
- EESL 125 - Language Skills: Grammar 3 (3 hours)
- EESL 126 - Language Skills: Grammar 4 (3 hours)
- EESL 133 - Language Skills: Writing 1 (3 hours)
- EESL 134 - Language Skills: Writing 2 (3 hours)
- EESL 142 - English for Academic Purposes 1 (3 hours)
- EESL 143 - English for Academic Purposes 2 (3 hours)
- ENGL 100 - Basic Writing (3 hours)

ENGLISH, TEACHING ENDORSEMENT

Students certified in another content area who also want an endorsement for teaching English must take the following classes:

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
- EDUC 342 - Curriculum and Content Methods - Secondary 2 hours
- ENGL 317 - Introduction to Linguistics 3 hours
- 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

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.

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 3 hours
 - or ENGL 317 - Introduction to Linguistics 3 hours
- 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

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 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

**A student may test out of ENGL 202 based on a pre-test score.*

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 3 hours *
- ENGL 220 - Imagination in the Written Word 3 hours
- ENGL 320 - Rhetoric for Writers 3 hours
- ENGL 420 - Professional and Technical Writing 3 hours

Select six (6)-nine (9) hours from the following:

- 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

** A student may test out of ENGL 202 by scoring 90% or higher on the pre-test.*

History and Political Studies

Chair:

Faculty: Lisa Clark Diller, Shannon Martin, Mark Peach

Program Coordinator (History):

Program Coordinator (INDV): Shannon Martin

History is the study of the human experience. It investigates mankind's ideas, institutions, and activities. In pursuing this investigation, history courses at Southern Adventist University emphasize the Christian view of humanity. This perspective recognizes both the potential and the limitation of human endeavor and thereby permits a broader comprehension of the past and a greater hope for the future.

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.

Assessment

Departmental Policies

1. A maximum of three hours may be earned through AP or CLEP for the history/GPS major or minors
2. Nine hours must be taken in residence.

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	30
Cognates	9
Minor	18
General Education	42
Electives to = 124	
TOTAL	124

Required Courses

- HIST 154 - American History to 1877 (IN-6) 3 hours
- HIST 155 - American History since 1877 (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 297 - Historiography (SERV-2) 2 hours
- HIST 490 - Senior Exam Preparation 1 hour
- HIST 497 - Research Methods in History (W) 3 hours

Additional Requirements

Of the remaining 12 hours, 10 UD hours are required, at least two courses from the American and at least two courses from the non-American sections.

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 - Natives and Strangers (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 (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 - History of Western Thought to 1500 (W) 3 hours
- HIST 472 - History of Western Thought since 1500 (W) 3 hours
- PLSC 345 - Middle Eastern Politics and History (W) 3 hours
- PLSC 388 - Contemporary Europe (W) 3 hours
- PLSC 471 - History of Western Thought to 1500 (W) 3 hours
- PLSC 472 - History of Western Thought since 1500 (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 30 HOURS

Required Cognates

Intermediate Level of Foreign Language (ASL does not apply) 6 hours

Select three (3) hours from the following:

- PLSC 224 - Principles of Macroeconomics (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	30
Cognates	15
General Education	24
Professional Education	36
SDA Certification	14
Electives to = 124	

TOTAL 124

Required Courses

- HIST 154 - American History to 1877 (IN-6) 3 hours
- HIST 155 - American History since 1877 (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 297 - Historiography (SERV-2) 2 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 - Natives and Strangers (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 (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 - History of Western Thought to 1500 (W) 3 hours
- HIST 472 - History of Western Thought since 1500 (W) 3 hours
- PLSC 345 - Middle Eastern Politics and History (W) 3 hours
- PLSC 388 - Contemporary Europe (W) 3 hours
- PLSC 471 - History of Western Thought to 1500 (W) 3 hours
- PLSC 472 - History of Western Thought since 1500 (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
- GEOG 204 - World Geography (SERV-2) 3 hours
- PLSC 224 - Principles of Macroeconomics (IN-9) 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 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	47
Minor	18
General Education	42-45
Electives to = 124	
TOTAL	124

Required Courses

GCDP 410 - Theories of Global Community Development/Relief 2 hours
 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
 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 312 - Historical and Political Geography 3 hours
 HIST 372 - Modern China 3 hours
 MGNT 470 - Strategic Management in Nonprofit Organizations (W) 3 hours
 PLSC 224 - Principles of Macroeconomics (IN-9) 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
PSYC 226 - Psychology of Religion 3 hours
TOTAL 47 HOURS

Additional Requirements

Students must also complete the following requirements. These are non-credit and can generally be completed during the course of the semester.

- Must attend a development conference
- Oral exam

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
MATH 215 - Statistics (IN-4) 3 hours
PLSC 224 - Principles of Macroeconomics (IN-9) 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	34-37
Cognate	6
Minor	18
General Education	39-45
Electives to =	
TOTAL	124

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 491 - Political Science Practicum 0-6 hours [3 hours maximum]
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 - History of Western Thought to 1500 (W) 3 hours
HIST 472 - History of Western Thought since 1500 (W) 3 hours
PLSC 471 - History of Western Thought to 1500 (W) 3 hours
PLSC 472 - History of Western Thought since 1500 (W) 3 hours
Subtotal 22-25 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 (IN-9) 3 hours

- + HIST 471 - History of Western Thought to 1500 (W) 3 hours
- or HIST 472 - History of Western Thought since 1500 (W) 3 hours
- or + PLSC 471 - History of Western Thought to 1500 (W) 3 hours
- or PLSC 472 - History of Western Thought since 1500 (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 - Natives and Strangers (IN-6) (W) 3 hours
- HIST 359 - Transformation of American Culture (W) 3 hours
- PLSC 357 - Modern America (W) 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 (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 34-37 HOURS

+ *Required for this concentration*

* *Both can be taken to complete this elective*

Required Cognate

Intermediate Foreign Language (ASL does not apply) 6 hours

Additional Requirement

Must attend a relevant conference

No overlap to complete the six (6) credit requirements for each area is permitted

Recommended Courses

- ECON 224 - Principles of Macroeconomics (IN-9) 3 hours
- PLSC 224 - Principles of Macroeconomics (IN-9) 3 hours
- JOUR 265 - Topics in Communication 1-3 hours
- JOUR 465 - Topics in Communication 1-3 hours

GLOBAL COMMUNITY DEVELOPMENT MINOR

Required Courses

- GCDP 405 - Foundations of Christian Values and Witness in Development/Relief 2 hours
- GCDP 410 - Theories of Global Community Development/Relief 2 hours
- GCDP 415 - Principles of Development Entrepreneurship 2 hours
- GCDP 420 - Techniques for Project Planning and Capacity Building 2 hours
- GCDP 428 - Preparation for Global Service 1 hour
- GEOG 204 - World Geography (SERV-2) 3 hours
- INDV 110 - Human Rights and Service (SERV-2) 3 hours
- INDV 480 - Research Methods 3 hours

Select two (2) courses from the following:

- BMKT 375 - International Marketing 3 hours
 - BUAD 493 - International Business Communications (W) 3 hours
 - COMM 330 - Intercultural Communication (W) 3 hours
 - INDV 220 - International Relations and Global Politics 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 345 - Middle Eastern Politics and History (IN-6) (W) 3 hours
 - HIST 372 - Modern China 3 hours
 - MGNT 364 - International Business and Economics 3 hours
 - PSYC 231 - Multicultural Relations 3 hours
 - RELT 358 - World Religions (R-4) 3 hours
 - RELT 458 - World Religions (W) (R-4) 3 hours
 - RELT 467 - Christian Philosophy and Worldviews (R-4) (W) 3 hours
 - SOCW 338 - Missions and Health 2 hours
 - SOCW 434 - Social Welfare Issues and Policies 3 hours
- TOTAL 23-24 HOURS**

HISTORY MINOR

Required Courses

- HIST 174 - World Societies to 1500 (IN-6) 3 hours
 - HIST 175 - World Societies since 1500 (IN-6) 3 hours
- TOTAL 18 HOURS**

The additional twelve hours will be chosen from remaining history courses, six hours of which must be upper division. A minimum of three hours must be chosen from each of the American and non-American areas. Three hours of political science may be taken in lieu of three hours of history.

INTERNATIONAL RELATIONS MINOR

Required Courses

- INDV 220 - International Relations and Global Politics 3 hours
- INDV 360 - Political Economy 3 hours
- or PLSC 224 - Principles of Macroeconomics (IN-9) 3 hours

Select six (6 hours) from the following:

- 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

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 379 - American Foreign Policy 3 hours

TOTAL 21 HOURS**POLITICAL ECONOMY MINOR**

Combines an interdisciplinary selection of courses helpful for law school preparation. For a further description of this pre-law preparation program, see Law.

Required Courses

- ENGL 313 - Expository Writing (W) 3 hours
- PLSC 254 - American National and State Government 3 hours
- ECON 224 - Principles of Macroeconomics (IN-9) 3 hours
or INDV 360 - Political Economy 3 hours
- PLSC 471 - History of Western Thought to 1500 (W) 3 hours
or PLSC 472 - History of Western Thought since 1500 (W) 3 hours

Select six (6) 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
- ECON 225 - Principles of Microeconomics 3 hours
- HIST 374 - History of England (W) 3 hours
- HMNT 211 - Introduction to Philosophy 3 hours
- JOUR 427 - Mass Media Law and Ethics 3 hours
- HIST 357 - Modern America (IN-6) (W) 3 hours
or PLSC 357 - Modern America (W) 3 hours
- PLSC 291 - Political Science Practicum 0-6 hours
or PLSC 491 - Political Science Practicum 0-6 hours

TOTAL 18 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

- PLSC 254 - American National and State Government 3 hours
- PLSC 291 - Political Science Practicum 0-6 hours
or PLSC 491 - Political Science Practicum 0-6 hours

Select nine (9) hours from the following:

- PLSC/GPSS - Any PLSC or GPSS courses (6 hours must be UD) 9 hours

TOTAL 18 HOURS

WESTERN INTELLECTUAL TRADITION 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 - History of Western Thought to 1500 (W) 3 hours
or HIST 472 - History of Western Thought since 1500 (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
- HIST 471 - History of Western Thought to 1500 (W) 3 hours
- HIST 472 - History of Western Thought since 1500 (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
- 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: Volker Henning

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:

Faculty: Lorraine Ball, Tara D. Hargrove, Pamela Maize Harris, Andy Nash, Stephen Ruf

Office Manager: Avery Botticelli

Adjunct Faculty: Jennifer Cummins Askew, David Barasoian, Audrey Cooper, Ryan Harrell, Mindy Jamieson, John Keyes, Melissa Lechler, Sam Nkana, Alan Orrison, Billy Weeks

Program Coordinators:

Basic Speech Courses, Tara D. Hargrove

Communication Studies, Linda Potter Crumley

Journalism, Andy Nash

Mass Communication, Stephen Ruf

Media Technology A.S., Stephen Ruf

Public Relations, Pamela Maize Harris

Public Relations and Business Administration, Pamela Maize Harris

Public Relations and Graphic Design, Lorraine Ball

Advisory Council: A current list of Advisory Council members is kept in the School of Journalism and Communication.

Mission Statement

In harmony with Southern Adventist University's Christian environment, the School's programs integrate theory and practical skills necessary for graduates to serve in communication-related careers or to enter graduate school.

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 Studies 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 Studies, Intercultural Communication, Journalism (Publishing), Media Production, Photography, Public Relations, and Sales.

Students graduating with a degree in Communication Studies 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 dual 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 dual 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, Southern

Communicator, 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	26-32
General Education	42-45
Electives to = 124	
TOTAL	124

Required Core

- BRDC 201 - Introduction to Electronic Media 3 hours
- COMM 103 - Introduction to Mass Communication 3 hours
- COMM 415 - Portfolio and Career 1 hour
- JOUR 105 - Writing for the Media 3 hours
- JOUR 205 - News Reporting 3 hours
- JOUR 208 - Publication Tools and Techniques 3 hours
- JOUR 242 - Introduction to Web Design 3 hours
- JOUR 427 - Mass Media Law and Ethics 3 hours
- JOUR 488 - Mass Communication and Society (W) 3 hours
- PHTO 125 - Introduction to Photography 3 hours
- PREL 235 - Public Relations Principles and Theory 3 hours
or PREL 485 - Public Relations Techniques 3 hours

TOTAL 31 HOURS

In consultation with your adviser select one concentration. You must select at least 12 hours of upper division credit within your concentration.

ADVERTISING EMPHASIS

- Mass Communication Core 31 hours
- BMKT 326 - Principles of Marketing 3 hours
- COMM 312 - Professional Communication and Leadership 3 hours
- COMM 397 - Communication Research (W) 3 hours
- COMM 406 - Persuasion and Propaganda (W) 3 hours
- PREL 344 - Fundamentals of Advertising 3 hours
- PREL 355 - Advertising Copywriting 3 hours

Select twelve (12) hours from the following:

- ART 109 - 2D Foundations-Plane and Color 3 hours

ARTG 210 - Vector Graphics 3 hours
 ARTG 212 - Raster Graphics 3 hours
 ARTG 332 - Advertising Design 3 hours
 ARTG 115 - Introduction to Graphic Design 3 hours
 BMKT 327 - Consumer Behavior 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 492 - Public Relations Internship 3 hours

TOTAL 61 HOURS

MEDIA PRODUCTION EMPHASIS

Mass Communication Core 31 hours
 ARTF 215 - Lighting 3 hours
 BRDC 127 - Introduction to Digital Storytelling 3 hours
 BRDC 202 - Digital Audio Production 3 hours
 BRDC 227 - Multi-Camera Production 3 hours
 BRDC 327 - Advanced Field Production 3 hours
 BRDC 426 - TV News Reporting and Performance 3 hours
 BRDC 445 - Senior Project 1 hour
 COMM 315 - Scriptwriting (W) 3 hours
 or BRDC 314 - Broadcast News Writing (W) 3 hours

Select nine (9) hours from the following:

ARTF 320 - Post Production 3 hours
 ARTF 353 - Directing the Documentary (SERV-2) 3 hours
 BRDC 291 - Practicum 1-3 hours
 BRDC 391 - Practicum 1-3 hours
 BRDC 417 - Media Management and Ministry 3 hours
 BRDC 492 - Broadcast/Media Production Internship 3 hours
 COMM 326 - Film Evaluation (IN-10) (W) 3 hours
 MGNT 371 - Principles of Entrepreneurship 3 hours

TOTAL 62 HOURS

NEW MEDIA EMPHASIS

Mass Communication Core 31 hours
 BRDC 127 - Introduction to Digital Storytelling 3 hours
 BRDC 202 - Digital Audio Production 3 hours
 BRDC 327 - Advanced Field Production 3 hours
 CPTC 212 - Web Programming 3 hours
 CPTR 124 - Fundamentals of Programming 4 hours
 JOUR 342 - Interactive Journalism 3 hours
 JOUR 445 - Senior Project 1 hour
 PHTO 320 - Digital Photography 3 hours

Select nine (9) hours from the following:

ART 109 - 2D Foundations-Plane and Color 3 hours
 ARTG 115 - Introduction to Graphic Design 3 hours
 ARTI 223 - Interactive Media I 3 hours

ARTI 265 - Topics in Interactive Media 1-3 hours
JOUR 313 - Publication Editing 3 hours
JOUR 492 - Journalism Internship 3 hours
JOUR 291 - Practicum 1-3 hours
or JOUR 391 - Practicum 1-3 hours

TOTAL 63 HOURS

PHOTOGRAPHY EMPHASIS

Mass Communication Core 31 hours
ARTF 215 - Lighting 3 hours
BRDC 127 - Introduction to Digital Storytelling 3 hours
BRDC 227 - Multi-Camera 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 Field Production 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 313 - Publication Editing 3 hours
JOUR 316 - Magazine and Feature Article Writing (W) 3 hours
JOUR 342 - Interactive Journalism 3 hours
JOUR 356 - In-depth Reporting (W) 3 hours

Select twelve (12) hours from the following:

BRDC 314 - Broadcast News Writing (W) 3 hours
COMM 315 - Scriptwriting (W) 3 hours
ENGL 313 - Expository Writing (W) 3 hours
JOUR 492 - Journalism Internship 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 57-63 HOURS

PUBLIC RELATIONS AND BUSINESS ADMINISTRATION, B.S.

Major	70-74
General Education	42
Electives to = 124	
TOTAL	124

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 208 - Publication Tools and Techniques 3 hours
- PREL 235 - Public Relations Principles and Theory 3 hours
- PREL 344 - Fundamentals of Advertising 3 hours
- PREL 392 - Public Relations Internship 1-3 hours (2-3 hours required)
- 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

Select three (3) hours from the following:

- BUAD 358 - Ethical, Social, and Legal Environment of Business (W) 3 hours
- JOUR 427 - Mass Media Law and Ethics 3 hours

TOTAL 35-36 HOURS**Business Administration—Required Courses**

- ACCT 221 - Principles of Accounting I 3 hours
- ACCT 222 - Principles of Accounting II 3 hours
- BUAD 217 - Business-Computer Concepts and Applications 3 hours
- BUAD 312 - Professional Communication and Leadership 3 hours
- BUAD 339 - Business Law 3 hours
- BMKT 326 - Principles of Marketing 3 hours
- ECON 224 - Principles of Macroeconomics (IN-9) 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 128 - Personal Finance (IN-9) 3 hours
 - or ECON 225 - Principles of Microeconomics 3 hours
- BUAD 288 - Seminar in Business Administration 1 hour
 - or BUAD 488 - Seminar in Business Administration 1 hour
- BUAD 412 - Preparing to Meet the Firms 1 hour
 - or COMM 415 - Portfolio and Career 1 hour

TOTAL 35-38 HOURS**TOTAL 70-74 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

PUBLIC RELATIONS AND GRAPHIC DESIGN, B.S.

Major	78
General Education	45
Electives to = 124	
TOTAL	124

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 208 - Publication Tools and Techniques 3 hours
JOUR 242 - Introduction to Web Design 3 hours
JOUR 313 - Publication Editing 3 hours
PHTO 125 - Introduction to Photography 3 hours
PREL 235 - Public Relations Principles and Theory 3 hours
PREL 344 - Fundamentals of Advertising 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
TOTAL 39 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 - Corporate Identity (SERV-2) 3 hours
ARTG 432 - Senior Design Studio 3 hours
ARTI 324 - Interactive Media 3 hours
TOTAL 39 HOURS

TOTAL 78 HOURS

Recommended Course

COMM 406 - Persuasion and Propaganda (W) 3 hours

PUBLIC RELATIONS, B.S.

Major	51-52
Cognates	3
General Education	45
Electives to = 124	
TOTAL	124

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 208 - Publication Tools and Techniques 3 hours
- JOUR 427 - Mass Media Law and Ethics 3 hours
- PREL 235 - Public Relations Principles and Theory 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 392 - Public Relations Internship 1-3 hours [2-3 hours required]

Select fifteen (15) 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
- JOUR 242 - Introduction to Web Design 3 hours
- JOUR 313 - Publication Editing 3 hours
- JOUR 316 - Magazine and Feature Article Writing (W) 3 hours
- PHOTO 125 - Introduction to Photography 3 hours
- PREL 344 - Fundamentals of Advertising 3 hours
- PREL 355 - Advertising Copywriting 3 hours
- PREL 368 - Fundraising for Nonprofits (SERV-2) 3 hours
- COMM 312 - Professional Communication and Leadership 3 hours
or COMM 340 - Group Dynamics and Leadership 3 hours

TOTAL 51-52 HOURS**Required Cognate**

- BMKT 326 - Principles of Marketing 3 hours

Strongly Recommended Electives

- COMM 336 - Interpersonal Communication 3 hours
- PHOTO 315 - Photojournalism 3 hours
- Elementary Foreign Lang 6 hours
- COMM 312 - Professional Communication and Leadership 3 hours
or COMM 340 - Group Dynamics and Leadership 3 hours

COMMUNICATION STUDIES, B.A.

Major	34
Cognates	9
Minor	18
General Education	33-36
Elementary Foreign Language*	0-6
Electives to = 124	
TOTAL	124

Required Courses

- 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
- COMM 103 - Introduction to Mass Communication 3 hours
or JOUR 105 - Writing for the Media 3 hours
- COMM 312 - Professional Communication and Leadership 3 hours
or COMM 340 - Group Dynamics and Leadership 3 hours

Select nine (9) hours from the following:

- ARTF 328 - Screenwriting II (W) 3 hours
- COMM 230 - Introduction to Acting 3 hours
- COMM 315 - Scriptwriting (W) 3 hours
- COMM 465 - Topics 1-3 hours
- COMM 492 - Communication Internship 1-3 hours
- COMM 495 - Directed Study 1-3 hours
- ENGL 320 - Rhetoric for Writers 3 hours
- PREL 235 - Public Relations Principles and Theory 3 hours
- BRDC 127 - Introduction to Digital Storytelling 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 34 HOURS

* Elementary foreign language or two years of foreign language in high school 0-6 hours

Required Cognates

- MATH 215 - Statistics (IN-4) 3 hours
- ENGL 313 - Expository Writing (W) 3 hours
or ENGL 420 - Professional and Technical Writing 3 hours
- PSYC 122 - General Psychology 3 hours
or SOCI 125 - Introduction to Sociology (IN-8) 3 hours

Strongly Recommended

- Intermediate level modern language 6 hours

INTERCULTURAL COMMUNICATION EMPHASIS (OPTIONAL)

Major	34
Cognates	15
General Education	39-42
Minor at ACA	18
Electives to = 124	
TOTAL	124

COMM Required Courses 34 hours**Required Cognates for Intercultural Communication Emphasis**

MATH 215 - Statistics (IN-4)	3 hours
RELT 458 - World Religions (W) (R-4)	3 hours
ENGL 313 - Expository Writing (W)	3 hours
or ENGL 420 - Professional and Technical Writing	3 hours
PSYC 122 - General Psychology	3 hours
or SOCI 125 - Introduction to Sociology (IN-8)	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 Intercultural Emphasis

A Communication Studies major with an intercultural 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.

JOURNALISM, B.A.

Core	19
Emphasis	15-18
Cognates	6-9
Minor	18
General Education	45
Elementary foreign language*	0-6
Electives to = 124	
TOTAL	124

Required Core

BRDC 127 - Introduction to Digital Storytelling	3 hours
COMM 415 - Portfolio and Career	1 hour
JOUR 105 - Writing for the Media	3 hours
JOUR 205 - News Reporting	3 hours
JOUR 242 - Introduction to Web Design	3 hours
JOUR 342 - Interactive Journalism	3 hours
JOUR 427 - Mass Media Law and Ethics	3 hours
TOTAL 19 HOURS	

In consultation with your adviser select one concentration. You must select at least 12 hours of upper division credit within your concentration.

* *Elementary foreign language or two years of foreign language in high school 0-6 hours*

DIGITAL/BROADCAST EMPHASIS

Journalism Core 19 hours

BRDC 201 - Introduction to Electronic Media 3 hours

BRDC 202 - Digital Audio Production 3 hours

BRDC 227 - Multi-Camera Production 3 hours

BRDC 314 - Broadcast News Writing (W) 3 hours

BRDC 327 - Advanced Field Production 3 hours

BRDC 426 - TV News Reporting and Performance 3 hours

TOTAL 37 HOURS

Required Cognates

COMM 103 - Introduction to Mass Communication 3 hours

PHTO 315 - Photojournalism 3 hours

PLSC 254 - American National and State Government 3 hours

Recommended Electives

BRDC 417 - Media Management and Ministry 3 hours

COMM 326 - Film Evaluation (IN-10) (W) 3 hours

ECON 213 - Survey of Economics (IN-9) 3 hours

JOUR 208 - Publication Tools and Techniques 3 hours

JOUR 488 - Mass Communication and Society (W) 3 hours

JOUR 391 - Practicum 1-3 hours

or JOUR 492 - Journalism Internship 3 hours

PUBLISHING EMPHASIS

Journalism Core 19 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

JOUR 356 - In-depth Reporting (W) 3 hours

JOUR 488 - Mass Communication and Society (W) 3 hours

TOTAL 34 HOURS

Required Cognates

COMM 103 - Introduction to Mass Communication 3 hours

PLSC 254 - American National and State Government 3 hours

Literature Elective excluding COMM 326 3 hours

Recommended Electives

COMM 326 - Film Evaluation (IN-10) (W) 3 hours

COMM 397 - Communication Research (W) 3 hours

ECON 213 - Survey of Economics (IN-9) 3 hours

MATH 215 - Statistics (IN-4) 3 hours

JOUR 391 - Practicum 1-3 hours

or JOUR 492 - Journalism Internship 3 hours

TOTAL 34-37 HOURS

MEDIA TECHNOLOGY, A.S.

Major 30

General Education 31

Electives to = 64

TOTAL 64

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
 JOUR 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 Electronic Media 3 hours
 BRDC 202 - Digital Audio Production 3 hours
 BRDC 227 - Multi-Camera Production 3 hours
 BRDC 327 - Advanced Field Production 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
 PREL 344 - Fundamentals of Advertising 3 hours
 PREL 355 - Advertising Copywriting 3 hours

Select nine (9) hours from the following:

ARTG 332 - Advertising Design 3 hours
 BMKT 328 - Sales Management 3 hours
 COMM 103 - Introduction to Mass Communication 3 hours
 COMM 312 - Professional Communication and Leadership 3 hours
 COMM 330 - Intercultural Communication (W) 3 hours
 JOUR 208 - Publication Tools and Techniques 3 hours
 JOUR 242 - Introduction to Web Design 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
 BRDC 426 - TV News Reporting and Performance 3 hours
 JOUR 105 - Writing for the Media 3 hours

Select three (3) hours from the following:

BRDC 201 - Introduction to Electronic Media 3 hours
 BRDC 417 - Media Management and Ministry 3 hours
 JOUR 427 - Mass Media Law and Ethics 3 hours
 JOUR 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
- COMM 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 - In-depth Reporting (W) 3 hours
JOUR 427 - Mass Media Law and Ethics 3 hours
or JOUR 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 Electronic Media 3 hours
BRDC 202 - Digital Audio Production 3 hours
BRDC 227 - Multi-Camera Production 3 hours
BRDC 327 - Advanced Field Production 3 hours

Select three (3) hours from the following:

BRDC 417 - Media Management and Ministry 3 hours
JOUR 427 - Mass Media Law and Ethics 3 hours
JOUR 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 227 - Multi-Camera Production 3 hours
BRDC 327 - Advanced Field Production 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
JOUR 208 - Publication Tools and Techniques 3 hours
PREL 235 - Public Relations Principles and Theory 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:

JOUR 205 - News Reporting 3 hours

JOUR 313 - Publication Editing 3 hours

JOUR 465 - Topics in Communication 1-3 hours

PREL 344 - Fundamentals of Advertising 3 hours

PREL 368 - Fundraising for Nonprofits (SERV-2) 3 hours

COMM 406 - Persuasion and Propaganda (W) 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
Cognates	8-10
General Education	42
Electives to = 124	
TOTAL	124

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 327 - Probability and Statistics 4 hours

MATH 410 - Real Analysis 3 hours

MATH 485 - Mathematics Seminar (W) 1 hour

MATH 486 - Mathematics Seminar II 1 hour

MATH Electives (2 UD) 6 hours

TOTAL 42 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 33

Cognates 4-5

Minor 18

General Education 42

Elementary Foreign Language* 0-6

Electives to = 124

TOTAL 124

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

UD MATH Electives 3 hours

TOTAL 33 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	39
Cognates	4-5
General Education	27
Foreign Language*	0-6
Professional Education	36
SDA Certification	14
Electives to = 124	

TOTAL 124-127

Secondary licensure in Mathematics requires a baccalaureate degree and completion of professional education courses (see Professional Education) for licensure. Students preparing for secondary teacher certification must include MATH 215 - Statistics (IN-4), MATH 312 - History of Mathematics (W), and MATH 415 - Geometry. 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).

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 (24 hours): MATH 191 - Calculus I, MATH 192 - Calculus II, MATH 201 - Intermediate Linear Algebra, MATH 215 - Statistics (IN-4), MATH 219 - Set Theory and Logic, MATH 415 - Geometry, one three-hour upper-division MATH course, and EDUC 342 - Curriculum and Content Methods - Secondary.

**Elementary Foreign Language or two years of foreign language in high school for Mathematics, B.A. 0-6 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 (IN-9) 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, Jeffrey Jordan, Leslie Morrow

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, 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, 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 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 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. 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).

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
China:	Hong Kong Adventist College: Chinese Language, Culture, and Business
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:	Instituto Adventista de Ensino, Sao Paulo: Portuguese
France:	Centre Universitaire et Pedagogique du Saleve, Collonges-sous-Saleve: French
Greece:	La Sierra University Study Center, Athens: Intermediate New Testament Greek, Beginning Biblical Hebrew
Israel:	Middle East University, Lebanon; Arabic
Italy:	Istituto Avventista Villa Aurora, Florence: Italian
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 Office.

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 aca-noborders.org.

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 available at the Modern Language Department or may be downloaded at aca-noborders.org.

For further information:

Adventist Colleges Abroad
12501 Old Columbia Pike
Silver Spring, MD 20904-6600
(301) 680-6463
E-mail: aca@nad.adventist.org
Website: aca-noborders.org
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 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 only at the beginning of each semester. Students

are allowed to challenge the same exam only once. Please, visit southern.edu/modernlanguages for further information.

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 must 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 Spanish, French, German or Italian 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, Spanish, French, German, and Italian.

Language Emphasis. American Sign Language (ASL).

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, Spanish, German, or Italian 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 a “Departmental Exit Examination” (DEE) prior to graduation. This examination evaluates candidate’s writing, reading, speaking, and listening skills in the language of study. Students will earn a minimum grade of “B” 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 Spanish/French 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, SPAN 490/FREN 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 Spanish/French 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, SPAN 490/FREN 490 and cognate courses, if necessary. These students will earn a minimum grade of “C” (2.00) in all courses. ALL SPAN/FREN 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” in this examination.

FRENCH, B.A.

Major	34
Minor	18
General Education	39-42
Electives to = 124	
TOTAL	124

Required Core

- ELIT 216 - Approaches to Literature (IN-10) 3 hours
- FREN 490 - Comprehensive Examination Preparation 1 hour

Required Course

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 375 - Ancient Mediterranean World (IN-6) (W) 3 hours
 HIST 471 - History of Western Thought to 1500 (W) 3 hours
 HIST 472 - History of Western Thought since 1500 (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	39-42
Professional Education	36
SDA Certification	14
Electives to = 124	

TOTAL 124

Required Core

ELIT 216 - Approaches to Literature (IN-10) 3 hours
 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 357 - Survey of French Medieval and Renaissance Literature (W) 3 hours
 FREN 459 - Francophone Cultures and Literatures (W) 3 hours
 FREN UD Literature

Select three (3) hours from the following:

HIST 386 - Medieval Europe (IN-6) (W) 3 hours
 HIST 387 - Europe in the Nineteenth Century (IN-6) (W) 3 hours
 or HIST 388 - Contemporary Europe (IN-6) (W) 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 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	12
Minor	18
General Education	39-42
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 Inter-Adv 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 350 - Global Citizenship Seminar I 1 hour
 MDLG 450 - Global Citizenship Seminar II 1 hour

MDLG 490 - MLD Exit Examination (DEE) 1 hour
 FREN 358 - Survey of French 17th and 18th Centuries Literature (W) 3 hours
 or MDLG 230 - Critical Methods in Languages 3 hours
 HIST 387 - Europe in the Nineteenth Century (IN-6) (W) 3 hours
 or HIST 388 - Contemporary Europe (IN-6) (W) 3 hours
TOTAL 12 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 36 HOURS

* See *Adventist Colleges Abroad Catalog* for course descriptions

INTERNATIONAL STUDIES, GERMAN EMPHASIS, B.A.

Major	24
Humanities	12
Minor	18
General Education	39-42
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 Interm-Adv 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 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
 HIST 387 - Europe in the Nineteenth Century (IN-6) (W) 3 hours
 or HIST 388 - Contemporary Europe (IN-6) (W) 3 hours
TOTAL 12 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 36 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 36 HOURS

* See *Adventist Colleges Abroad Catalog* for course descriptions

INTERNATIONAL STUDIES, ITALIAN EMPHASIS, B.A.

Major	24
Humanities	12
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 Inter-Adv 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 350 - Global Citizenship Seminar I 1 hour
- MDLG 450 - Global Citizenship Seminar II 1 hour
- MDLG 490 - MLD Exit Examination (DEE) 1 hour
- HIST 387 - Europe in the Nineteenth Century (IN-6) (W) 3 hours
or HIST 388 - Contemporary Europe (IN-6) (W) 3 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 36 HOURS

* See *Adventist Colleges Abroad Catalog* for course descriptions

INTERNATIONAL STUDIES, SPANISH EMPHASIS, B.A.

Major	24
Humanities	12
Minor	18
General Education	39-42
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 Intern-Adv 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 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
 HIST 387 - Europe in the Nineteenth Century (IN-6) (W) 3 hours
 or HIST 388 - Contemporary Europe (IN-6) (W) 3 hours
TOTAL 12 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 36 HOURS

* See *Adventist Colleges Abroad Catalog* for course descriptions

SPANISH, B.A.

Major	31
Minor	18
General Education	39-42
Electives to =	124
TOTAL	124

Required Courses

- ELIT 216 - Approaches to Literature (IN-10) 3 hours
- 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 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 - History of Western Thought to 1500 (W) 3 hours
- HIST 472 - History of Western Thought since 1500 (W) 3 hours

TOTAL 31 HOURS

Students majoring in Spanish are required to travel abroad for one (1) academic year, to conduct studies at an ACA location in 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	39-42
Professional Education	36
SDA Certification	14
Electives to =	124
TOTAL	124

Required Courses

ELIT 216 - Approaches to Literature (IN-10) 3 hours
 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 - History of Western Thought to 1500 (W) 3 hours
 HIST 472 - History of Western Thought since 1500 (W) 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 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 for students in 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*

* 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

Interim Dean: Peter J. Cooper

Faculty: W. Scott Ball, Gennevieve Brown-Kibble, Peter J. Cooper, Judith Glass, Laurie Redmer Minner, Ken Parsons, Julie Penner

Adjunct Faculty: Eric Anderson, Bruce Ashton, Bob Burks, Jan Cochrane, Ellen Francisco, Nicholas Hartline, Richard Henson, Kristen Holritz, Gordon James, Elaine Janzen, David Peyton, Mark Reneau, Ann Rylands, Sheryllyn Samaan, Clinton Schmitt, Alan Shikoh

Program Coordinators:

Music, Peter Cooper

Music Education, Laurie Redmer Minner

Music

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 are required to participate in an appropriate music ensemble every semester in full-time residence (12 or more hours). During the student teaching semester, students are exempted from this requirement. Teacher certification candidates must, however, complete eight 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, ensembles chosen in consultation with the School of Music faculty. 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 all students 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	
TOTAL	124

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 Repertories (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, PERFORMANCE EMPHASIS, B.S.

Major	53-55
Cognate	6
General Education	42
Electives to = 124	
TOTAL	124

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 Repertories (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	—
TOTAL	124

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 PRE 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
TOTAL	138-142

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 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**

CPT 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

Note(s):

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: Barbara James

Faculty: Kerry Allen, Jill Buchholz, Ronda Christman, Judith Dedeker, Holly Gadd, Pam Gammenthaler, LaShawn Horton, Lorella Howard, Jaclynn Huse, Barbara James, Cynthia Johnson, Frances Johnson, Dana Krause, Michael Liedke, Sylvia Mayer, Callie McArthur, Christine Moniyung, Rebecca Retzer, Cindy Rima, Elizabeth Scott, Christy Showalter, Christina Shrode, Elizabeth Snyder, Lilly Tryon, Maria Valenca, Joelle Wolf, Sonia Wrate

Director of Nursing Admissions and Progressions: Sylvia Mayer

Program Coordinators:

Nursing, B.S., Joelle Wolf
Nursing, B.S.N., 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 care for the patient, using the nursing process in collaboration with patient, families and health team members, to diagnose and treat the patient's response to actual or potential stressors.
2. Manage the nursing care of individuals and groups of individuals with actual or potential stressors to system functioning, within a variety of practice settings.
3. Consistently fulfill the role of member of the discipline of nursing as evidenced by lifelong learning, care, integrity, accountability and professional conduct and involvement.

Accreditation

The programs in nursing are fully accredited by the Accreditation Commission for Education in Nursing (ACEN), 3343 Peachtree Road, NE, Suite 850, Atlanta, GA 30326. As new programs are added, application for accreditation is made. They are approved by the Tennessee Board of Nursing (TBN).

Assessment

The School of Nursing (SON) has a comprehensive assessment program. AS, BS, and BSN students are required to complete standardized competency examinations throughout the nursing curriculum. The AS graduate is eligible to take the National Council Licensure Examination (NCLEX-RN). The Tennessee Board of Nursing 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.

Students will be expected to provide their own transportation for all clinical appointments.

The university assesses lab fees for certain courses across campus. AS, BS, and BSN classes have associated lab fees to help offset expenses which are not covered by regular tuition.

Drug Screen

By enrolling at Southern, all 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.

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.

The SON reserves the right to revise, add, or withdraw policies and/or courses as necessary to ensure a quality nursing program.

Associate and Baccalaureate Programs

The School of Nursing (SON) program at Southern Adventist University leads to a baccalaureate degree (BS) in nursing with the option to exit at the associate degree (AS) level. Students entering the nursing program (LPN-RN See Associate Degree #6) may declare the AS or AS/BS Nursing Major. However, students are encouraged to declare the BS degree when applying to the University making a double AS Nursing/BS Nursing major. When graduated from AS Nursing, the major will convert to BS Nursing. Registered nurses with an AS degree from a nursing program accredited by the ACEN may apply and be accepted into BS level nursing (campus, off-campus Consortium or online) or accelerated Registered Nurse (RN) to Master of Science (MSN) program. Diploma and AS degree graduates from a non-accredited program will be evaluated on an individual basis.

In keeping with recommendations for the BSN as the entry level for practice (IOM, Future of Nursing, AACN, NLN, CNEA, etc). A generic, pre-licensure BSN track (admission second semester sophomore year) allows freshman to enter the program and complete the degree in a total of four years (1.5 pre-admission, 2.5 in the major).

The nursing curriculum is based on the SDA Nursing Framework which emphasizes wholistic health. Upon acceptance into the clinical nursing program, the AS degree in nursing may be completed in four semesters. Upon completion of the AS degree requirements, the student is eligible to take NCLEX-RN.

Completion of the BS Program enhances professional opportunities through study in theoretical and clinical nursing. The program may be completed on campus in two to three semesters, ONLINE in four semesters, Consortium Off-campus program in six semesters (two years), following the AS degree depending on completion of general education/cognate requirements.

The accelerated RN to MSN program allows the RN to combine BS and MSN level course work in a condensed program of five to six full-time semesters. Accelerated program emphases include Adult, Family, Psych-Mental Health, and Acute Care Nurse Practitioner, and Nurse Educator (see Southern Graduate Catalog for complete program information).

A limited number of students are accepted into each program two or more times each year.

A well-equipped Learning Resource Center (LRC), clinical skills laboratory, simulation laboratory, and a tutorial program (Assisting Students to Achieve Professionally [ASAP]) are provided to facilitate learning.

Admission Requirements

The final decisions on acceptance and progression in nursing are made by the SON. Declaration as a nursing major is not the equivalent of acceptance to the SON. Acceptance into the articulated AS/BS or BSN Nursing Program is a separate admission. Minimum requirements for admission to clinical nursing courses are listed below:

1. Acceptance to Southern Adventist University.
2. Foreign student transcript evaluation by ForeignCredits.com. The cost for this evaluation will be paid by the applicant. The number of credits accepted for transfer to Southern Adventist University may vary from those listed on the evaluation, in accordance with the policies of Southern Adventist University.
3. A diploma from a four-year accredited high school or the equivalent.
4. Evidence of mental and moral fitness. References or information may be required.
5. A score of 80 on the Internet Based Test (IBT) Test of English as a Foreign Language (TOEFL) for students whose native language is not English.
6. In compliance with the Americans with Disabilities Act, students must be, with reasonable accommodation, physically and mentally capable of performing the essential functions of the program. The Core Performance Standards for Admission and Progression developed by the Southern Council on Collegiate Education for Nursing include:

- Critical thinking ability sufficient for clinical judgment.
- Interpersonal abilities sufficient to interact with individuals, families, and groups.
- Communication abilities sufficient for interaction with others in verbal and written form.
- Physical abilities sufficient to move from room to room and maneuver in small spaces.
- Gross and fine motor abilities sufficient to provide safe and effective nursing care.
- Auditory abilities sufficient to monitor and assess health needs.
- Visual abilities sufficient for observation and assessment necessary in nursing care.
- Tactile ability sufficient for physical assessment.

Upon admission into the nursing program, the following requirements apply:

1. Current American Heart Association Healthcare Provider CPR certification that must be maintained throughout the nursing program.
2. A background check.
3. A urine drug screen.
4. Evidence through a health verification form and all required tests, including immunizations, that student is in good health and free from communicable diseases.

Pre-licensure AS and BSN

Enrollment in the AS or BSN Nursing Program is limited, therefore admission is a competitive process. Meeting minimum admission requirements does not guarantee acceptance into clinical nursing courses. The SON faculty consider overall G.P.A., standardized nursing admission assessment examination, interview, university courses completed, faculty recommendation, and length of time at Southern when determining admission into the clinical nursing classes.

Minimum requirements for admission to associate degree or pre-licensure BSN nursing courses are as follows:

1. Survey of Health Chemistry, Anatomy and Physiology I, and Anatomy and Physiology II with minimum grades of “C”.
2. ACT scores with a minimum standard enhanced Math score of 16 (if less than 16, a college math course for credit is required see Area IN-4) and 18 in English (if less than 18, an English class for credit is required see Area IN-2).
3. Students will be asked to take a standardized nursing admission assessment examination. Scores on this examination will be utilized in the selection process for admission to clinical nursing courses.
4. A minimum current and cumulative university grade point average of 3.00 on a 4.00 scale with special emphasis on nursing cognates. Cognate courses may be repeated a maximum of one time.
5. Transfer students from another nursing program will be evaluated individually and accepted on a space available basis.
6. Students who have successfully completed a practical nurse program (LPN) and NRS 103, may receive eight (8) credit hours of advanced placement

in nursing and will articulate directly into the second semester of the nursing curriculum on a space available basis.

7. 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. Determination is made on a case-by-case basis by the Admissions Committee (see SON Undergraduate Handbook for more details).
8. A personal “admission interview”.

The following should be sent by February 15 (Fall or Summer Admission) or September 15 (Winter Admission) to the Southern Adventist University Enrollment Management:

To the university: (See admission checklist)

1. University application
2. High school and college transcripts

To the School of Nursing:

1. A Nursing Application submitted directly to the School of Nursing.
2. The applicant is responsible to see that all application materials are received by the SON.

Students accepted to clinical nursing are required to send a Nursing Education deposit of \$200 to the SON to hold their place in the class.

RN-BS Baccalaureate Degree

- RN to BS traditional classroom (two semesters)
- RN to BS online with field experience (four semesters-including summer)
- RN to BS consortium off-campus (six semesters-including summer)

Students accepted into the articulated AS-BS Nursing Program transition seamlessly into the senior BS portion of the nursing program. Transfer students who are graduates of ACEN accredited Associate and Diploma Nursing Programs may apply for acceptance into the senior BS 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. In order to complete senior BS nursing courses in one year (two semesters) on campus, all non-nursing course requirements must be completed prior to the two semesters of senior BS nursing classes.

Minimum requirements for admission to the RN-BS (all tracks) baccalaureate nursing program are as follows:

1. A minimum grade point average of 2.50 to articulate and progress into senior BS classes or be admitted into the BS Nursing program.
2. Recommendation from nursing faculty in the student’s basic nursing program and/or employer may be requested.
3. An interview with the BS program coordinator or designee, if requested.
4. Transfer Student Admission: Documentation of clinical experience (satisfactory work performance recommendation), and/or RN Update or additional clinical experience may be required.

5. **Nursing Credits:** Transfer students who are graduates of ACEN accredited Associate and Diploma Nursing Programs will have 30 credits of associate degree level nursing and eight (8) credits of upper division nursing (NRSNG 305, NRSNG 309) placed in escrow upon entrance to the BS program. After successfully completing 10 semester hours of BS nursing courses at Southern, these credits held in escrow are available to be placed on the transcript as accepted credits toward a BS degree with a major in nursing.

Associate Degree Graduate

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 BS degree General Education requirements.

Students in third semester AS degree nursing courses may take: Applied Statistics for Health Professions (NRSNG 316), Professional Development in Nursing (NRSNG 322), Introduction to Population/Community Health and Cultural Diversity in Nursing (NRSNG 344) Health Assessment (NRSNG 328), Nursing Pharmacology (NRSNG 389), or Pathophysiology (NRSNG 434) if they have taken all general education and cognates for AS and BS nursing and if approved by BS faculty and student adviser. A number of upper division nursing electives are also available.

Diploma Graduate

- 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/BS degree levels must be completed before graduation.

Progression Requirements

Pre-licensure AS and BSN

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. A minimum grade of "C" is required in each nursing cognate. Cognate courses are BIOL 101, BIOL 102; NRNT 125; PSYC 122 or PSYC 128; BIOL 225; CHEM 120.
3. Failure or academic withdrawal from NRSNG 110/NURS 210 will result in dismissal from the nursing program without opportunity for immediate repeat of NRSNG 110/NURS 210. Program reapplication may be individually considered only if the student has subsequent, substantive, improved academic performance and meets admission requirements. There is no guarantee of readmission.
4. A student who is not passing the theory or clinical lab portion of a course may withdraw from a nursing course by the withdrawal date published on the Southern calendar without it being considered a nursing failure. One course withdrawal is allowed. (SON Undergraduate Handbook)

5. A student may apply to repeat only one failed “Core” NRSNG/NURS (SON Undergraduate Handbook) nursing course. The student may repeat the course based on space availability and with the approval of the Admissions and Progressions committee.
6. Should a student need to repeat a nursing class, or receive a C+ in a nursing class, he/she will be required to enroll in NRSNG 203/NURS 203, Nursing Enrichment, the following semester. This is a 0-1 credit class with the objective of assisting the student to be successful in the nursing program.
7. AS: If a student is unable to progress due to a second failure in a “Core” NRSNG nursing course in the third or fourth nursing semester, he/she may reapply one time to restart the program (See readmission requirements). No courses may be repeated after the student re-starts. Readmission to the nursing program is on a space available basis.
8. BSN: If a student is unable to progress due to a second failure in a “Core” NURS nursing course (after successful completion of Adult Health and Mental Health), he/she may reapply one time to restart the program (See readmission requirements). No courses may be repeated after the student re-starts. Readmission to the nursing program is on a space available basis.
9. A student who withdraws from a nursing course or chooses not to progress to the subsequent course in the next semester that it is offered should notify the Admissions and Progressions Coordinator immediately. The process for re-entering the nursing program is outlined under “Readmission Requirements”.
10. 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.
11. 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.
12. 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-BS Baccalaureate Degree

Minimum requirements for admission to the baccalaureate nursing program are as follows:

1. A minimum grade of “C” (2.00) is required in each nursing and cognate course for progression. Cognate courses are RELT 373 and SOCI 349.
2. A cumulative GPA of 2.50 on a 4.00 scale is required for graduation.
3. One failed nursing course may be repeated.
4. Any cognate course taken off campus during the time the student is enrolled at Southern (academic year or summer) must be approved by the Dean of the SON.

Readmission Requirements

Pre-licensure AS and BSN

1. Acceptance to Southern Adventist University.
2. Application to the SON. (see SON Undergraduate Handbook)

3. A cumulative grade point average of 2.50 on a 4.00 scale.
4. Completion of specified requirements as set forth by the SON relating to the individual applicant.
5. Recommendation from course faculty for any course(s) failed.
6. An interview before a faculty panel may be required.
7. Validation of nursing knowledge and skills through written examination and clinical performance is required for acceptance of prior nursing credits if there has been a time lapse greater than one semester during a student's AS program.
8. Readmission will be on a space available basis.

RN-BS Baccalaureate Degree

1. Reactivate enrollment in Southern Adventist University and SON.

NURSING, B.S.

(Includes 30 hours of AS level courses)

Major	69
Cognates - AS	21
Cognates - BS	6
General Education	33-36
TOTAL	129-132

Required Courses*

AS Level Courses	30 hours
NRSNG 305 - Adult Health III	4 hours
NRSNG 309 - Nursing Seminar	4 hours
NRSNG 316 - Applied Statistics for Health Professions (IN-4)	3 hours
NRSNG 322 - Professional Development in Nursing (W)	3 hours
NRSNG 328 - Health Assessment	3 hours
NRSNG 344 - Introduction to Population/Community Health and Cultural Diversity in Nursing	2 hours
NRSNG 351 - Registered Nurse (RN) Licensure	0 hours
NRSNG 389 - Nursing Pharmacology	3 hours
NRSNG 434 - Pathophysiology	3 hours
NRSNG 444 - Population/Community Health and Cultural Diversity in Nursing I (SERV-2)	2 hours
NRSNG 445 - Population/Community Health and Cultural Diversity in Nursing II (SERV-2)	2 hours
NRSNG 485 - Nursing Leadership and Management (IN-9)	3 hours
NRSNG 497 - Research Methods in Nursing (W)	3 hours
Nursing Electives***	4 hours
TOTAL 69 HOURS	

Contact the School of Nursing for a suggested sequence of courses.

* *Course requirements vary for students in the Consortium and accelerated RN-MSN program (See Southern Graduate Catalog).*

** *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 Introduction to Public Speaking, English, Fitness for Life, and Computer*

Competency. If ENGL 101-ENGL 102, COMM 135, 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 BS degree General Education requirements.

****Nursing electives must be at the upper division level.*

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

NRSRG 316 - Applied Statistics for Health Professions (IN-4) 3 hours if MATH ACT is
 22 or above

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

Nursing, RN-BS Consortium

The Consortium Off-campus BS Completion program provides working/experienced Registered Nurses an opportunity to continue their education by accessing BS Nursing 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 BS degree and/or accepted Accelerated RN to MSN students may access these classes.

Major	69
Cognates	27
General Education	24
Total to = 124	—
TOTAL	124

Required Courses

- AS Level Courses 30 hours
- NRSG 305 - Adult Health III 4 hours
- NRSG 309 - Nursing Seminar 4 hours
- NRSG 316 - Applied Statistics for Health Professions (IN-4) 3 hours
- NRSG 322 - Professional Development in Nursing (W) 3 hours
- NRSG 328 - Health Assessment 3 hours
- NRSG 344 - Introduction to Population/Community Health and Cultural Diversity in Nursing 2 hours
- NRSG 444 - Population/Community Health and Cultural Diversity in Nursing I (SERV-2) 2 hours
- NRSG 445 - Population/Community Health and Cultural Diversity in Nursing II (SERV-2) 2 hours
- NRSG 389 - Nursing Pharmacology 3 hours

NRS 434 - Pathophysiology 3 hours

NRS 485 - Nursing Leadership and Management (IN-9) 3 hours

NRS 497 - Research Methods in Nursing (W) 3 hours

UD Nursing Electives 4 hours

TOTAL 69 HOURS

Contact the School of Nursing for a suggested sequence of courses. BS 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 Communication and Public Speaking, English, Fitness for Life, and Computer Competency or waiver. If ENGL 101-ENGL 102, COMM 135, MATH 215, PEAC 225, or computer competency requirements were not included in the AS program, they must be taken in fulfillment of the BS degree General Education requirements.
- CHEM 120 or 3 hours college chemistry.

Required Cognates

(includes 18 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

MATH 215 - Statistics (IN-4) 3 hours if MATH ACT is below 22

NRS 316 - Applied Statistics for Health Professions (IN-4) 3 hours if MATH ACT is 22 or above

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

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.

Major	64
Cognates	27
General Education	33
TOTAL	124

Required Courses

- NURS 110 - Introduction to Nursing 1 hour
 - NURS 210 - Fundamentals of Nursing 6 hours
 - NURS 215 - Introduction to Healthcare Informatics 1 hour
 - NURS 225 - Health Assessment 3 hours
 - NURS 230 - Introduction to Populations and Community Health and Cultural Diversity in Nursing 2 hours
 - NURS 310 - Adult Health I 4 hours
 - NURS 320 - Mental Health 3 hours
 - NURS 330 - Populations and Community Health and Cultural Diversity in Nursing 3 hours
 - NURS 345 - Nursing Pharmacology 3 hours
 - NURS 355 - Pathophysiology 3 hours
 - NURS 360 - Adult Health II 4 hours
 - NURS 370 - Childbearing Family 4 hours
 - NURS 410 - Adult Health III 4 hours
 - NURS 420 - Child Health (SERV-2) 4 hours
 - NURS 430 - Nursing Seminar 5 hours
 - NURS 440 - Preparation for Licensure 1 hour
 - NURS 445 - Professional Development in Nursing 2 hours
 - NURS 450 - Nursing Leadership and Management (IN-9) 3 hours
 - NURS 475 - Research Methods in Nursing (W) 4 hours
 - NURS - Nursing Electives 4 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	38
Cognates	21
General Education	22
TOTAL	81

Required Courses

NRSNG 110 - Fundamentals of Nursing 8 hours
 NRSNG 126 - Adult Health I 4 hours
 NRSNG 130 - Mental Health 4 hours
 NRSNG 212 - Childbearing Family 4 hours
 NRSNG 226 - Adult Health II 4 hours
 NRSNG 231 - Child Health (SERV-2) 4 hours
 NRSNG 240 - Introduction to Healthcare Informatics 1 hour
 NRSNG 291 - Preparation for Licensure 1 hour
 NRSNG 305 - Adult Health III 4 hours
 NRSNG 309 - Nursing Seminar 4 hours

TOTAL 38 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.

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 or R-3

RELT 138, RELT 225, RELT 255 or any RELB class except RELB 125 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

NRSRG 316 - Applied Statistics for Health Professions (IN-4) 3 hours if MATH ACT is 22 or above

TOTAL 3 HOURS

Area IN-5

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

TOTAL 1 HOUR

Area P-1a

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

TOTAL 1 HOUR

Area P-1b

ADAC, PEAC or RECR course 1 hour

TOTAL 1 HOUR

School of Physical Education, Health and Wellness

Dean: Robert Bengé

Faculty: Robert Bengé, Mike Boyd, Doug Brown, Rod Bussey, Harold Mayer, Bonnie Musgrave, Richard Schwarz, Judy Sloan, Douglas Tilstra, Troy Walker

Adjunct Faculty: Darin Bissell, Jan Cochrane, Jay Dedeker, Jeff Erhard, Leslie Evenson, Deborah Fager, Phil Garver, Mark Guild, Mike Harris, Tara Hills, Dwight Magers, Rachele Pecovsky, Mary Anne Poulson, James Quick Jr., Sally Randall, Josh Rhodes, Dorothea Sarli, Annika Seibold, Brian Wilson

Program Coordinators:

Corporate/Community Wellness Management, Harold Mayer
Health Science, Rod Bussey
Health, P.E. and Recreation, Teacher Certification, Judy Sloan
Outdoor Emergency Services, Robert Bengé
Outdoor Leadership, Doug Brown
Sports Studies, Mike Boyd
Vegetarian Culinary Arts,

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. Health, Physical Education and Recreation
B.S. Health Science
B.S. Corporate/Community Wellness Management
B.S. Outdoor Emergency Services
B.S. Outdoor Leadership
B.S. Sports Studies
A.S. Outdoor Leadership
A.S. Vegetarian Culinary Arts
Certificate 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 Sports Studies 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 Sports Studies, offered in conjunction with the School of Business, are accredited by the International Assembly for Collegiate Business Education.
- The Bachelor of Science in Corporate/Community Wellness Management is an accredited academic program by the National Wellness Institute. All of these graduates are Certified Wellness Practitioners.

CORPORATE/COMMUNITY WELLNESS MANAGEMENT, B.S.

Major	45
Cognates	26
General Education	35
Electives to = 124	
TOTAL	124

Required Courses

BIOL 101 - Anatomy and Physiology (IN-7) 4 hours
BIOL 102 - Anatomy and Physiology 4 hours
CHEM 111 - Survey of Chemistry I (IN-7) 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
HLNT 135 - Nutrition 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 364 - Principles and Administration of Physical Education and Recreation (W) (SERV-2) 3 hours
TOTAL 45 HOURS

Required Cognates

C- is the minimum grade accepted

BMKT 326 - Principles of Marketing 3 hours
BUAD 358 - Ethical, Social, and Legal Environment of Business (W) 3 hours
CPTE 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
ACCT 103 - College Accounting 3 hours or ACCT 221 - Principles of Accounting I 3 hours

HEALTH SCIENCE, B.S.

Major	47
General Education	38
Electives to =124	—
TOTAL	124

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
- HLNT 135 - Nutrition 3 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
- TOTAL 47 HOURS**

HEALTH, PHYSICAL EDUCATION AND RECREATION, TEACHING LICENSURE, B.S.

Leading to Licensure K-12

Major	42
Cognates	17
General Education	36
Professional Education	37
TOTAL	132

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 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 Sports Studies 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

Professional Core

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

OUTDOOR EMERGENCY SERVICES, B.S.

Major	71
Cognates	27
General Education	32
TOTAL	130

Outdoor Leadership Required Courses

EDOE 301 - Outdoor Ministries (SERV-2) 3 hours
OUTL 136 - Survey of Outdoor Leadership 3 hours
OUTL 218 - Fundamentals of Outdoor Leadership 3 hours
OUTL 356 - Outdoor Leadership-Field Experience 3 hours
OUTL 391 - Outdoor 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

NRSNG 110 - Fundamentals of Nursing 8 hours
NRSNG 126 - Adult Health I 4 hours
NRSNG 130 - Mental Health 4 hours
NRSNG 212 - Childbearing Family 4 hours
NRSNG 226 - Adult Health II 4 hours
NRSNG 231 - Child Health (SERV-2) 4 hours
NRSNG 240 - Introduction to Healthcare Informatics 1 hour
NRSNG 305 - Adult Health III 4 hours
NRSNG 309 - Nursing Seminar 4 hours
TOTAL 71 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
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 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

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

TOTAL 1 HOUR

Area IN-6

HIST course 3 hours

TOTAL 3 HOURS

Area IN-9 or IN-10

Stewardship, Business, and Economics or 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 1 hour

TOTAL 1 HOUR

Area P-1c

PEAC 425 - Fit for Hire (P-1c) 1 hour

TOTAL 1 HOUR

OUTDOOR LEADERSHIP, B.S.

Major	45
Concentrations	17-24
Cognates	9
General Education	35-42
Electives to = 124	
TOTAL	124

Required Core Courses

- EDOE 301 - Outdoor Ministries (SERV-2) 3 hours
- EDOE 348 - Environmental Education (SERV-2) 3 hours
- OUTL 136 - Survey of Outdoor Leadership 3 hours
- OUTL 218 - Fundamentals of Outdoor Leadership 3 hours
- OUTL 391 - Outdoor 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 45 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 17-24 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 18-24 HOURS

CULTURAL INTERPRETER CONCENTRATION

Any HIST or GEOG courses 9 hours

UD HIST courses 9 hours

TOTAL 18 HOURS

NATURALIST CONCENTRATION

BIOL 151 - General Biology (IN-7) 4 hours

BIOL 152 - General Biology (IN-7) 4 hours

Select three (3) hours from:

Any Ecology Course 3 hours

Select six (6) hours from:

Any Botany, Ecology, or Zoology Field Courses 6 hours

TOTAL 17 HOURS

OUTDOOR MINISTRY CONCENTRATION

RELP 251 - Introduction to Youth Ministry (R-4) 3 hours

RELP 264 - Christian Witnessing (R-4) 3 hours

Any RELB, RELP or RELT 9 hours

UD RELB, RELP or RELT 3 hours

TOTAL 18 HOURS

PUBLIC RELATIONS/ADVERTISING CONCENTRATION

COMM 103 - Introduction to Mass Communication 3 hours

JOUR 105 - Writing for the Media 3 hours

JOUR 205 - News Reporting 3 hours

JOUR 208 - Publication Tools and Techniques 3 hours

PREL 235 - Public Relations Principles and Theory 3 hours

PREL 344 - Fundamentals of Advertising 3 hours

Select six (6) hours from the following:

JOUR 427 - Mass Media Law and Ethics 3 hours

JOUR 488 - Mass Communication and Society (W) 3 hours

PHTO 125 - Introduction to Photography 3 hours

PREL 355 - Advertising Copywriting 3 hours

COMM 406 - Persuasion and Propaganda (W) 3 hours

PREL 485 - Public Relations Techniques 3 hours

TOTAL 24 HOURS

RECREATION CONCENTRATION

ACCT 103 - College Accounting 3 hours

HLNT 135 - Nutrition 3 hours

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 325 - Personal Trainer 2 hours
- RECR 491 - Recreation Practicum 1-3 hours (2 hours required)

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 212 - Backpacking (P-1b) 1 hour
- ADAC 214 - Mountain Biking (P-1b) 1 hour
- ADAC 142 - Canoeing (P-1b) 1 hour
- ADAC 146 - Whitewater Rafting Guide (P-1b) 1 hour
- ADAC 148 - Horsemanship (P-1b) 1 hour
- ADAC 156 - Land Navigation (P-1) 1 hour

TOTAL 23 HOURS

TECHNOLOGY CONCENTRATION

- Select twelve (12) hours lower division Technology classes 12 hours
- Select six (6) hours upper division Technology classes 6 hours

TOTAL 18 HOURS

TOTAL 62-69 HOURS

SPORTS STUDIES, B.S.

Core	40
Concentrations	20-28
General Education	37-39
Electives to =	124
TOTAL	124

Required 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 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

HUMAN PERFORMANCE CONCENTRATION

Sports Studies Core 40 hours
 CHEM 111 - Survey of Chemistry I (IN-7) 3 hours
 CHEM 113 - Survey of Chemistry Laboratory I (IN-7) 1 hour
 HLNT 135 - Nutrition 3 hours
 PETH 325 - Personal Trainer 2 hours
 PETH 363 - Tests and Measurements in Health and Physical Education 3 hours
 PETH 437 - Adaptive Physical Education 2 hours
 PHYS 127 - Exploring Physics I (IN-7) 3 hours
 PSYC 122 - General Psychology 3 hours

TOTAL 60 HOURS

JOURNALISM CONCENTRATION

Sports Studies Core 40 hours
 COMM 103 - Introduction to Mass Communication 3 hours
 JOUR 105 - Writing for the Media 3 hours
 JOUR 205 - News Reporting 3 hours
 JOUR 316 - Magazine and Feature Article Writing (W) 3 hours
 JOUR 427 - Mass Media Law and Ethics 3 hours
 JOUR 488 - Mass Communication and Society (W) 3 hours

Select six (6) hours from the following:

BRDC 314 - Broadcast News Writing (W) 3 hours
 JOUR 208 - Publication Tools and Techniques 3 hours
 JOUR 313 - Publication Editing 3 hours
 JOUR 356 - In-depth Reporting (W) 3 hours

TOTAL 64 HOURS

MANAGEMENT CONCENTRATION

Sports Studies 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

MARKETING CONCENTRATION

Sports Studies Core 40 hours
 ACCT 221 - Principles of Accounting I 3 hours
 BMKT 326 - Principles of Marketing 3 hours

BMKT 328 - Sales Management 3 hours
BMKT 375 - International 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
TOTAL 64 HOURS

PSYCHOLOGY CONCENTRATION

Sports Studies Core 40 hours
EDUC 343 - Learning Theories and Classroom Management 3 hours
PSYC 122 - General Psychology 3 hours
PSYC 297 - Research Design and Statistics I 3 hours
PSYC 315 - Abnormal Psychology 3 hours
PSYC 326 - Physiological Psychology 3 hours
PSYC 346 - Introduction to Personality Theories 3 hours
PSYC 377 - Fundamentals of Counseling 3 hours
PSYC 384 - Experimental Psychology 3 hours
PSYC 498 - Research Design and Statistics II (W) 4 hours
TOTAL 68 HOURS

PUBLIC RELATIONS/ADVERTISING CONCENTRATION

Sports Studies Core 40 hours
COMM 103 - Introduction to Mass Communication 3 hours
COMM 406 - Persuasion and Propaganda (W) 3 hours
JOUR 105 - Writing for the Media 3 hours
JOUR 205 - News Reporting 3 hours
JOUR 427 - Mass Media Law and Ethics 3 hours
JOUR 488 - Mass Communication and Society (W) 3 hours
PREL 235 - Public Relations Principles and Theory 3 hours
PREL 344 - Fundamentals of Advertising 3 hours
PREL 355 - Advertising Copywriting 3 hours
TOTAL 67 HOURS

RECREATION CONCENTRATION

Sports Studies Core 40 hours
ACCT 103 - College Accounting 3 hours
HLNT 135 - Nutrition 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 325 - Personal Trainer 2 hours
RECR 491 - Recreation Practicum 1-3 hours (2 hours required)

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-1) 1 hour

TOTAL 67 HOURS

TOTAL 60-68 HOURS

Note: In the Concentration that does not have a "W" course, students must take two "W" courses outside the major for graduation.

OUTDOOR LEADERSHIP, A.S.

Major	33
General Education	30
Electives to = 64	—
TOTAL	64

Required Courses

EDOE 301 - Outdoor Ministries (SERV-2) 3 hours
 OUTL 136 - Survey of Outdoor Leadership 3 hours
 OUTL 218 - Fundamentals of Outdoor Leadership 3 hours
 OUTL 318 - Wilderness First Responder 3 hours
 OUTL 356 - Outdoor Leadership-Field Experience 3 hours
 PETH 364 - Principles and Administration of 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-1) 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	31-32
Electives to =	64
TOTAL	64

Required Courses

HLNT 135 - Nutrition 3 hours
VGCA 101 - Professional Cooking: Vegetarian Main Dishes and Entrees I 1 hour
VGCA 105 - Professional Cooking: Baking and Pastry I 1 hour
VGCA 109 - Professional Cooking: Soups, Sandwiches and Salads I 1 hour
VGCA 113 - Professional Cooking: Desserts I 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 151 - Food Safety and Sanitation 2 hours
VGCA 161 - Introduction to Culinary Arts and Skills 2 hours
VGCA 171 - Introduction to Food Purchasing, Preparation and Presentation 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 206 - Professional Cooking: Baking and Pastry II 1 hour
VGCA 214 - Professional Cooking: Desserts 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 230 - Nutritional Cooking I 1 hour
VGCA 292 - Vegetarian Culinary Arts Internship 4 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

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

REL T 138 - Adventist Heritage (R-2) 3 hours
 or REL T 225 - Last-Day Events (R-2) 3 hours
 or REL T 255 - Christian Beliefs (R-2) 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

CPT E 100 - Computer Concepts (IN-5) 1 hour

TOTAL 1 HOUR

Area IN-6

HIST 154 - American History to 1877 (IN-6) 3 hours
 or HIST 155 - American History since 1877 (IN-6) 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 3 HOURS

Area IN-7

BIOL 101 - Anatomy and Physiology (IN-7) 4 hours
 or BIOL 103 - Principles of Biology (IN-7) 3 hours
 or BIOL 151 - General Biology (IN-7) 4 hours
 or CHEM 107 - Chemistry of Everyday Life (IN-7) 3 hours
 or CHEM 111 - Survey of Chemistry I (IN-7) 3 hours
 or ERSC 105 - Earth Science (IN-7) 3 hours
 or PHYS 127 - Exploring Physics I (IN-7) 3 hours
 or PHYS 128 - Exploring Physics II (IN-7) 3 hours
 or PHYS 155 - Descriptive Astronomy: Creation and Cosmology (IN-7) 3 hours
 or PHYS 211 - General Physics I (IN-7) 3 hours

TOTAL 3-4 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 P-1a

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

TOTAL 1 HOUR

Area P-1b

Physical Activity 1 hour

TOTAL 1 HOUR

Vegetarian Culinary Arts Certificate

Required Courses

HLNT 130 - Nutrition 2 hours

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

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

RELB/RELT Religion Course 3 hours

VGCA 101 - Professional Cooking: Vegetarian Main Dishes and Entrees I 1 hour

VGCA 105 - Professional Cooking: Baking and Pastry I 1 hour

VGCA 109 - Professional Cooking: Soups, Sandwiches and Salads I 1 hour

VGCA 113 - Professional Cooking: Desserts I 1 hour

VGCA 117 - Professional Cooking: Vegetables, Grains and Side Dishes I 1 hour

VGCA 121 - Professional Cooking: Fresh and Raw I 1 hour

VGCA 125 - International Ethnic Cuisines: The Americas I 1 hour

VGCA 151 - Food Safety and Sanitation 2 hours

VGCA 161 - Introduction to Culinary Arts and Skills 2 hours

VGCA 171 - Introduction to Food Purchasing, Preparation and Presentation 3 hours

VGCA 175 - Introduction to Culinary Supervision and Management 2 hours

VGCA 181 - Introduction to Marketing for Culinary Professionals 1 hour

VGCA 202 - Professional Cooking: Main Dishes and Entrees II 1 hour

VGCA 206 - Professional Cooking: Baking and Pastry II 1 hour

VGCA 214 - Professional Cooking: Desserts 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 230 - Nutritional Cooking I 1 hour

VGCA 292 - Vegetarian Culinary Arts Internship 4 hours

VGCA 140 - Professional Cooking: Beverages I (Elective) 1 hour

or VGCA 142 - Professional Cooking: Fish and Poultry (Elective) 1 hour

VGCA 144 - Professional Cooking: Beef (Elective) 1 hour

or VGCA 146 - Professional Cooking: Appetizers I (Elective) 1 hour

TOTAL 39 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

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 325 - Personal Trainer 2 hours
 PETH 495 - Directed Study (W) 1-3 hours
 RELP 467 - Health Evangelism (R-4) (SERV-2) 2-3 hours
TOTAL 18 HOURS

OUTDOOR LEADERSHIP MINOR

Required Courses

EDOE 301 - Outdoor Ministries (SERV-2) 3 hours
 EDOE 348 - Environmental Education (SERV-2) 3 hours
 OUTL 136 - Survey of Outdoor Leadership 3 hours
 OUTL 356 - Outdoor Leadership-Field Experience 3 hours
 Outdoor Leadership Electives 8 hours
TOTAL 20 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 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 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**

RELIEF MEDIC MINOR

Required Courses

- EDOE 301 - Outdoor Ministries (SERV-2) 3 hours
- OUTL 136 - Survey of Outdoor Leadership 3 hours
- OUTL 218 - Fundamentals of Outdoor Leadership 3 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

Select nine (9) hours from the following:

- 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 152 - Caving (P-1b) 1 hour
- OUTL 320 - Intermediate/Advanced Rock Climbing 2 hours
- OUTL 346 - Swift Water/Advanced Swift Water Rescue 2 hours
- OUTL 353 - Vertical Caving 2 hours
- OUTL 354 - Rope Technician I 2 hours
- TOTAL 24 HOURS**

Physical Therapist Assistant

Chair and Program Director: Christopher Stewart

Mission Statement

The mission of the Physical Therapist Assistant Program is to develop skillful, knowledgeable, and professional clinicians who believe that the highest quality of care and traditional Seventh-day Adventist values direct their clinical decision-making while serving the diverse needs of the community.

Program Outcomes

The graduate will:

1. Demonstrate a proficient level of knowledge and skills appropriate for the safe and effective practice as a physical therapist assistant and as a member of the healthcare team.
2. Provide physical therapy interventions and services under the direction and supervision of licensed physical therapists in a variety of settings.
3. Exhibit ethical behavior consistent with legal and professional standards when interacting with instructors, classmates, patients/clients, family members, and clinical personnel.
4. Demonstrate compassion and respect for individuals from other ethnic and cultural backgrounds encountered through daily patient care and co-worker interactions.
5. Demonstrate the significance of the interrelationship between physical, mental, social, and spiritual concerns when addressing the needs of patients/clients and others.

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.

Southern Adventist University is seeking accreditation of a new physical therapist assistant education program from CAPTE. The program is planning to submit an Application for Candidacy, which is the formal application required in the pre-accreditation stage, on December 1, 2017. Submission of this document does not assure that the program will be granted Candidate for Accreditation status. Achievement of Candidate for Accreditation status is required prior to implementation of the professional phase of the program; therefore, no students may be enrolled in professional courses until Candidate for Accreditation status has been achieved. Further, though achievement of Candidate for Accreditation status signifies satisfactory progress toward accreditation, it does not assure that the program will be granted 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 program:

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 78% in BIOL 101, BIOL 102, PHYS 128, and MATH 215.
4. Application must be submitted by September 1 for consideration.
5. Personal admissions interview with faculty member.
6. Satisfactory writing assessment done at time of admissions interview.
7. Documentation of observation hours completed in a PT clinic setting (minimum 80 hours).
8. Work experience in a PT setting is recommended but not required.
9. Signing an agreement to uphold the university mission statement.
10. Letters of recommendation (minimum 3).

PHYSICAL THERAPIST ASSISTANT, A.S.

Major	47
Cognates	8
General Education	25
TOTAL	80

Required Courses

- PTAS 110 - Physical Therapy Perspectives 2 hours
- PTAS 112 - Kinesiology with Lab 4 hours
- PTAS 115 - Fundamentals of PT Practice with Lab 4 hours
- PTAS 205 - Therapeutic Modalities with Lab 4 hours
- PTAS 207 - Observation and Measurement with Lab 3 hours
- PTAS 210 - Orthopedic Rehabilitation with Lab 4 hours
- PTAS 212 - Clinical Pathology 2 hours
- PTAS 215 - Neuromuscular Rehabilitation with Lab 4 hours
- PTAS 218 - Rehabilitation with Lab 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
TOTAL 47 HOURS

Required Cognates

BIOL 102 - Anatomy and Physiology 4 hours
 HLED 210 - Medical Terminology 1 hour
 PHYS 128 - Exploring Physics II (IN-7) 3 hours

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, RELT 225, RELT 255, or any RELB course except RELB 125 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
TOTAL 3 HOURS

Area IN-4

MATH 215 - Statistics (IN-4) 3 hours
TOTAL 3 HOURS

Area IN-5

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

Area IN-6

HIST 154 - American History to 1877 (IN-6) 3 hours
 or HIST 155 - American History since 1877 (IN-6) 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 3 HOURS

Area IN-7

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

Area IN-8

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

Area P-1a

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

Physics and Engineering

Chair: Chris Hansen

Faculty: Ken Caviness, Chris Hansen, Blake Laing

Adjunct Faculty: Henry Kuhlman, Steven Kuhlman

Program Coordinators:

Biophysics, Physics, and Physics w/Teaching Licensure, Chris Hansen
Engineering Studies, Ken Caviness

Engineering Studies Committee: Ken Caviness (Chair), Tyson Hall, Chris Hansen

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

Many doors of service await students who study physics. Southern Adventist University physics major graduates have become academy and high school teachers, and professors and researchers in physics, in the U.S.A. and overseas. 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

The Physics and Engineering Department offers an A.S. in Engineering Studies. This degree is designed to prepare students for transfer into a baccalaureate engineering program, although the degree itself is not required by engineering schools, nor does it provide the qualifications needed for an entry-level engineering position.

Upon completing the two-year engineering studies program, students may transfer directly into the third year at either of two engineering programs with which Southern Adventist University is affiliated. These are 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 and a pre-professional Bachelor of Science degree in Bioengineering. The Bachelor of Science in Engineering programs at both of these institutions are fully accredited by the Accreditation Board for Engineering and Technology (ABET)-the only nationally recognized organization which accredits engineering programs.

While the transition to our two affiliate programs is simpler than to a non-affiliated one, the Southern Adventist University Engineering Studies Program is compatible with baccalaureate engineering programs of many colleges and universities. A student who wishes to transfer to a non-affiliate program is strongly encouraged to work closely, and early in the planning stages, with an academic adviser at his or her engineering school of choice in addition to the engineering studies adviser. Recent students have successfully transferred to the University of Tennessee, Tennessee Tech, and Georgia Tech.

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	
TOTAL	124

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 - Classical and Statistical Thermodynamics 3 hours
 PHYS 412 - Quantum Mechanics 3 hours

PHYSICS, B.S.

Major	40
Cognates	17-18
General Education	42
Electives to = 124	
TOTAL	124

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

TOTAL 124**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

TOTAL 30 HOURS** 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 Electives

PHYS 400 - Physics Portfolio 1 hour

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
Total	136-143

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
- CHEM 111 - Survey of Chemistry I (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

Professional Education Courses

EDUC 138 - Introduction to and Foundations of Secondary Education 3 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	40-41
Cognates	12
General Education	19
TOTAL	71-72

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
 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
 MATH 200 - Elementary Linear Algebra 2 hours
 or MATH 201 - Intermediate Linear Algebra 3 hours
TOTAL 40-41 HOURS

Including general education requirements, a total of 68-69 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

Required General Education

- COMM 135 - Communication and Public Speaking (IN-3) 3 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
- PEAC 125 - Fitness for Collegiate Life (P-1a) 1 hour
- Area IN-6 - Historical Perspectives 3 hours
- Area R-1 - RELB 125 or RELT 177 3 hours
- Area R-2 or R-3 Select 1 course from RELT 138, RELT 225, RELT 255 or any RELB class 3 hours
- Area S-Complete one Level 1 Christian Service activity and one Level 2 Christian Service activity

TOTAL 19 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, Michael G. Hasel, Douglas Jacobs, Greg A. King, Martin G. Klingbeil, Judson Lake, Carlos G. Martin, Alan Parker, Edwin Reynolds, Philip G. Samaan, Barry J. Tryon

Research Professor of Systematic Theology: Norman R. Gulley

Adjunct Faculty: Gordon Bietz, Jack J. Blanco, Michael W. Campbell, Chester Clark III, Michelle Doucoumes, Ron du Preez, Fred Fuller, Steven Grabiner, Brennon Kirstein, Felicia Phillips, Derek Morris, Douglas Tilstra

Adjunct Faculty for Evangelism: Ron E. M. Clouzet, Mark Finley, Robert Folkenberg Sr.

Program Coordinators:

Archaeology, Michael G. Hasel
Biblical Studies,
Missions, Carlos G. Martin
Pastoral Care, Greg A. King
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:

Archaeological Museum Coordinator: Daniel Perez

Soul-winning and Leadership Training Coordinator: Greg Wilson

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, 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 Religion.
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.

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 and senior years. 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; RELT 138; RELP 150;
2. An overall grade point average of at least 2.50 and a grade point average of 2.50 in all religion classes (including biblical languages) 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. Completion of the Jackson Vocational Interest Survey (JVIS).

7. Successful completion of the Southern School of Religion Test of Elementary Biblical Knowledge.
8. Successful completion of the Southern School of Religion Test of Elementary Doctrinal Knowledge or RELT 255 - Christian Beliefs (R-2).
9. Submission of four references, including at least one from each of the following:
 - A local pastor.
 - A local church elder or church leader.
 - An employer OR work supervisor, OR supervisor of volunteer ministries.
10. Completion of a prescribed semi-structured interview with the student's adviser.
11. Development and submission of a typewritten 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.
12. 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 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 34-hour major in Theology or the 33-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 25 hours required for certification for ministry or the 19 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 Religion 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 résumé
 - 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
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, and RELP 423, 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 letter.
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 six 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 361, RELP 362, 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 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 biblical language 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 12/17 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 3.00 overall, and a 3.00 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. Where exit examinations are required, the candidate must pass with a score of 75 percent or above prior to graduation.

ARCHAEOLOGY, B.A.

Core Courses	23
Concentration	17
Cognates	3-6
Minor	18
General Education	30
Electives to = 124	
TOTAL	124

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
- REL P 257 - Museum Education (SERV-2) 1 hour
- REL P 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

Interm 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
 RELL 221 - Introduction to Biblical Exegesis 2 hours
 RELL 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

Interm French or German 6 hours
 ARTH 465 T:Museum Studies 3 hours

BIBLICAL STUDIES, B.A.

Major	31
Cognates	9
Minor	18
General Education	33
Electives to = 124	
TOTAL	124

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)
 - RELL 221 - Introduction to Biblical Exegesis 2 hours
- TOTAL 31 HOURS**

Required Cognates

- RELL 181 - Biblical Hebrew I 3 hours
- RELL 182 - Biblical Hebrew II 3 hours
- RELL 330 - Intermediate Hebrew 3 hours
or RELL 191 - New Testament Greek I 3 hours
- RELL 192 - New Testament Greek II 3 hours
- RELL 331 - Intermediate Greek 3 hours

MISSIONS, B.A.

Major	34
Cognates	9-12
Minor	18
General Education	33
Electives to=124	
TOTAL	124

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	34
Cognates	21
Certification-Biblical Language	20
Certification-Pastoral Care	16
General Education	27-30
Electives to = 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 435 - New Testament Studies I (R-3) (R-4) 3 hours
 RELB 436 - New Testament Studies II (R-3) (R-4) 3 hours
 RELP 150 - Introduction to Ministry 2 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 34 HOURS**Required Cognates**

PSYC 128 - Developmental Psychology (IN-8) 3 hours
 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 Cen-
 tury (IN-6) 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

In order to graduate with a major in Pastoral Care, a student must also complete 20 hours for Certification in Biblical Languages and 16 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 270 - Interpersonal Ministry 2 hours
- RELP 321 - Introduction to Biblical Preaching 2 hours
- RELP 322 - Intermediate Biblical Preaching 2 hours
- RELP 361 - Personal Evangelism I (R-4) (SERV-2) 2 hours
- RELP 362 - Personal Evangelism II (SERV-2) 2 hours
- RELP 450 - Church Ministry I 3 hours
- RELP 452 - Church Ministry II 3 hours
- TOTAL 16 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 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	

TOTAL 124

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	12
Certification-Biblical Languages	20
Certification-Ministry	24
General Education	27-30
Electives to = 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**

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

- PSYC 128 - Developmental Psychology (IN-8) 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

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

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 361 - Personal Evangelism I (R-4) (SERV-2) 2 hours
- RELP 362 - Personal Evangelism II (SERV-2) 2 hours
- RELP 405 - Evangelistic Preaching (R-4) 1 hour
- RELP 423 - Advanced Biblical Preaching 2 hours
- RELP 450 - Church Ministry I 3 hours
- RELP 452 - Church Ministry II 3 hours
- RELP 466 - Public Evangelism 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	25
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

Religion Elective (Must be RELP) 3 hours
BMKT 229 - Personal Selling 3 hours
or BMKT 326 - Principles of Marketing 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

RELP 264 - Christian Witnessing (R-4) 3 hours
RELP 266 - Evangelism Seminar 0-1 hour
RELP Religion Electives 2 hours
RELT 255 - Christian Beliefs (R-2) 3 hours
RELB 125 - Life and Teachings of Jesus (R-1) 3 hours
or RELT 177 - Christian Spirituality (R-1) 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)
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 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 eight doctrinal Bible studies.
4. Students must participate in a public evangelism series, either through the Evangelistic Resource Center (ERC) or in a local church.

* *Students completing the full SALT (Soul-winning and Leadership Training) program will automatically complete these requirements.*

ARCHAEOLOGY MINOR

Required Courses

RELB 247 - Archaeology and the New Testament (R-3) (R-4) 3 hours
RELB 455 - Archaeological Fieldwork (R-4) 1-6 hours (3 hours required)
RELB 497 - Archaeological Method and Theory (R-4) 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
 or 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 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 361 - Personal Evangelism I (R-4) (SERV-2) 2 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 18 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 361 - Personal Evangelism I (R-4) (SERV-2) 2 hours
- RELP 362 - Personal Evangelism II (SERV-2) 2 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 3 hours

TOTAL 19 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
- EDOE 301 - Outdoor Ministries (SERV-2) 3 hours
 - or OUTL 136 - Survey of Outdoor 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: Kristie Wilder

Faculty: Evie Nogales Baker (Field Director), Stephanie Guster (Field Director), Annette Heck (BSW Program Director), Lorri Merchant (MSW Director), Nina Nelson, Corneliu Rusu, D. Laura Racovita-Szilagyi, Kristie Wilder

Adjunct Faculty: Bennett Judkins

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 all core social work (SOCW) classes. Social work majors must maintain an overall GPA of 2.50 or higher to be admitted into the program 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 who are 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.

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 (F-1), SOCW 212 - Social Welfare as an Institution (F-1), and SOCW 213 - Interviewing Skills. Having completed cognate courses BIOL 103 - Principles of Biology (E-1), PSYC 122 - General Psychology (F-1), and SOCI 125 - Introduction to Sociology (F-1). 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 they have 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 on the interactional process between student worker and client system(s) and use of specific interventions; students have the opportunity to connect the theory and knowledge with actual practice experience. This experience is essential to developing the entry level helping skills required of all 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 which are 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.

These courses are:

- SOCW 310 - Social Work Practice with individuals and Families
- SOCW 311 - Human Behavior and the Social Environment I (W)
- SOCW 312 - Human Behavior and the Social Environment II (W)
- SOCW 319 - Social Work Practice with Groups, Organizations and Communities
- 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	40
Cognates	15
General Education	33
Electives to =	124
TOTAL	124

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 310 - Social Work Practice with individuals and Families	4 hours
SOCW 311 - Human Behavior and the Social Environment I (W)	3 hours
SOCW 312 - Human Behavior and the Social Environment II (W)	3 hours
SOCW 319 - Social Work Practice with Groups, Organizations and Communities	4 hours
SOCW 391 - Junior Field Practicum	1-3 hours (1 hour required)
SOCW 412 - Preparing to Meet the Firms	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 497 - Research Methods (W)	3 hours
TOTAL 40 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
ECON 213 - Survey of Economics (IN-9)	3 hours
or ECON 224 - Principles of Macroeconomics (IN-9)	3 hours
or PLSC 224 - Principles of Macroeconomics (IN-9)	3 hours
PSYC 122 - General Psychology	3 hours
or PSYC 128 - Developmental Psychology (IN-8)	3 hours

SOCIAL WORK, LONG TERM CARE ADMINISTRATION EMPHASIS, B.S.W.

Major	52
Cognates	21
General Education	33-36
Electives to = 124	
TOTAL	124

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 310 - Social Work Practice with individuals and Families 4 hours
 - SOCW 311 - Human Behavior and the Social Environment I (W) 3 hours
 - SOCW 312 - Human Behavior and the Social Environment II (W) 3 hours
 - SOCW 319 - Social Work Practice with Groups, Organizations and Communities 4 hours
 - SOCW 391 - Junior Field Practicum 1-3 hours (1 hour required)
 - 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 497 - Research Methods (W) 3 hours
- TOTAL 38 HOURS**

LONG TERM CARE EMPHASIS

Required Courses

- LTCA 431 - General Administration of the Long Term Care Facility I 3 hours
- LTCA 432 - General Administration of the Long Term Care Facility II 3 hours
- LTCA 434 - Financial Management of the Long Term Care Facility 3 hours
- LTCA 435 - Human Resource Management and Marketing of the Long Term Care Facility 3 hours
- LTCA 492 - Long Term Care Administration Internship (SERV-2) 2-8 hours (2 hours required)

TOTAL 14 HOURS

TOTAL 52 HOURS

Required BSW Cognates

- BIOL 103 - Principles of Biology (IN-7) 3 hours
- MATH 215 - Statistics (IN-4) 3 hours
- PSYC 122 - General Psychology 3 hours
- SOCI 125 - Introduction to Sociology (IN-8) 3 hours
- ECON 213 - Survey of Economics (IN-9) 3 hours
or PLSC 254 - American National and State Government 3 hours

Required LTCA Cognates

- ACCT 103 - College Accounting 3 hours
- MGNT 344 - Human Resource Management 3 hours

BEHAVIORAL SCIENCE MINOR

Required Courses

PSYC 122 - General Psychology 3 hours
SOC1 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

Technology

Chair: Mark Hyder

Faculty: Dale Walters, John Youngberg

Adjunct Faculty: Steve Oskins

Program Coordinators:

Auto Service, Dale Walters

Construction Management, John Youngberg

Auto Service Technician Certificate, Dale Walters

The mission of the 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 lifelong 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.

AUTO SERVICE MANAGEMENT, B.T.

Major	72
Cognates	12
General Education	42
TOTAL	126

Required Courses

ACCT 322 - Cost Accounting 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

ECON 224 - Principles of Macroeconomics (IN-9) 3 hours

FNCE 315 - Principles of Finance 3 hours

MGNT 344 - Human Resource Management 3 hours
 MGNT 464 - Business Strategies (W) 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 491 - Advanced Practicum 2 hours
 TECH 175 - Engine Rebuilding and Machining 4 hours
 or TECH 375 - Engine Rebuilding and Machining 4 hours
 TECH 276 - Engine Performance and Computers 3 hours
 or TECH 377 - Engine Performance and Computers 3 hours
TOTAL 72 HOURS

Required Cognates

ACCT 221 - Principles of Accounting I 3 hours
 ACCT 222 - Principles of Accounting II 3 hours
 MGNT 371 - Principles of Entrepreneurship 3 hours
 MGNT 372 - Small Business Management 3 hours

CONSTRUCTION MANAGEMENT, B.T.

Major	75
Cognates	12
General Education	42
TOTAL	129

Required Courses

ACCT 322 - Cost Accounting 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 221 - Business Statistics 3 hours
 BUAD 339 - Business Law 3 hours
 ECON 224 - Principles of Macroeconomics (IN-9) 3 hours
 FNCE 315 - Principles of Finance 3 hours
 MGNT 344 - Human Resource Management 3 hours
 MGNT 350 - Managing Business Networks and Operations 3 hours
 MGNT 464 - Business Strategies (W) 3 hours
 TECH 115 - Arc Welding (SERV-2) 2 hours
 TECH 121 - Construction Safety 2 hours
 TECH 132 - Electrical-Residential 3 hours
 TECH 133 - Plumbing-Residential 1 hour
 TECH 135 - Finishes-Drywall, Painting, Tile, and Trim Work 1 hour

- TECH 136 - HVAC and Insulation 2 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 173 - Carpentry-Residential 2 hours
- TECH 179 - Principles of Concrete and Masonry Construction 3 hours
- TECH 181 - Real-Estate Development 3 hours
- TECH 253 - Residential Construction Codes 3 hours
- TECH 255 - Construction Estimating--Residential 3 hours
- TECH 262 - Construction Contract Administration 2 hours
- TECH 352 - Construction Estimating-Commercial 3 hours
- TECH 480 - Construction Management Senior Project 3 hours
- TOTAL 75 HOURS**

Required Cognates

- ACCT 221 - Principles of Accounting I 3 hours
- ACCT 222 - Principles of Accounting II 3 hours
- MGNT 371 - Principles of Entrepreneurship 3 hours
- MGNT 372 - Small Business Management 3 hours

AUTO 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	40
Cognates	6
General Education	22
TOTAL	68

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 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 175 - Engine Rebuilding and Machining 4 hours
 or TECH 375 - Engine Rebuilding and Machining 4 hours
 TECH 276 - Engine Performance and Computers 3 hours
 or TECH 377 - Engine Performance and Computers 3 hours
TOTAL 40 HOURS

Required Cognates

ACCT 221 - Principles of Accounting I 3 hours
 MGNT 371 - Principles of Entrepreneurship 3 hours

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 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
TOTAL 3 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

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

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 P-1a

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

TOTAL 1 HOUR**Area P-1b**

ADAC, PEAC, or RECR course 1 hour

TOTAL 1 HOUR**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	34
Cognates	12
General Education	22
TOTAL	68

Required Courses

TECH 121 - Construction Safety	2 hours
TECH 132 - Electrical-Residential	3 hours
TECH 133 - Plumbing-Residential	1 hour
TECH 135 - Finishes-Drywall, Painting, Tile, and Trim Work	1 hour
TECH 136 - HVAC and Insulation	2 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 173 - Carpentry-Residential	2 hours
TECH 179 - Principles of Concrete and Masonry Construction	3 hours
TECH 181 - Real-Estate Development	3 hours
TECH 253 - Residential Construction Codes	3 hours
TECH 255 - Construction Estimating--Residential	3 hours
TECH 262 - Construction Contract Administration	2 hours
TOTAL	34 HOURS

Required Cognates

ACCT 103 - College Accounting	3 hours
ACCT 221 - Principles of Accounting I	3 hours
MGNT 371 - Principles of Entrepreneurship	3 hours
MGNT 372 - Small Business Management	3 hours

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 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

TOTAL 3 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

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

TOTAL 1 HOUR

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 P-1a

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

TOTAL 1 HOUR

Area P-1b

ADAC, PEAC, or RECR course 1 hour

TOTAL 1 HOUR

AUTO 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 175 - Engine Rebuilding and Machining 4 hours
 TECH 178 - Heating and Air Conditioning 2 hours

300 | Technology

TECH 264 - Automotive Repair 3 hours

TECH 276 - Engine Performance and Computers 3 hours

TECH 277 - Engine Fuel and Emission Controls 4 hours

TECH - Auto Service Elective 2 hours

RELB/RELT - Religion 3 hours

TOTAL 32 HOURS

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

AUTO SERVICE MINOR

Required Courses

(6 hrs must be UD)

TECH 115 - Arc Welding (SERV-2) 2 hours

TECH 166 - Auto Electrical Systems 2 hours

TECH 264 - Automotive Repair 3 hours

Auto Service Elective 4 hours

TECH 175 - Engine Rebuilding and Machining 4 hours

or TECH 375 - Engine Rebuilding and Machining 4 hours

TECH 276 - Engine Performance and Computers 3 hours

or TECH 377 - Engine Performance and Computers 3 hours

TOTAL 18 HOURS

TECHNOLOGY MINOR

Twelve (12) hours lower division Technology classes

Six [6] hours upper division Technology classes

TOTAL 18 HOURS

School of Visual Art and Design

Dean: Randall Craven

Faculty: Marc Boyson, Hendel Butoy, Randall Craven, David George, 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, David George
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.

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.

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	
TOTAL	124

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 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
TOTAL	124

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 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
 BUAD 233 - Introduction to the Nonprofit Sector (SERV-2) 3 hours
 ENGL 320 - Rhetoric for Writers 3 hours
 ENGL 420 - Professional and Technical 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	
TOTAL	124

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 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

- REL 251 - Introduction to Youth Ministry (R-4) 3 hours
- REL 373 - Christian Ethics (R-4) 3 hours

Area IN-6

- HIST 356 - Natives and Strangers (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	
TOTAL	124

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 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	
TOTAL	124

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 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	
TOTAL	124

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 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 Workshop I 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
TOTAL	124

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 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
TOTAL 79 HOURS

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	
TOTAL	124

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 340 - Introduction to Studio Practices 3 hours
 ART 370 - Studio Practices 3 hours
 ART 420 - 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 Workshop I 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 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

TOTAL 124

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 - Corporate Identity (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 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	30
Cognate	3
General Education	31
TOTAL	64

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 338 - Design Studio III 3 hours
 ARTG - Elective 3 hours
 ARTH 345 - Contemporary Art (IN-10) (W) 3 hours

TOTAL 30 HOURS**Required Cognate**

TECH 244 - Graphic Production 3 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 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 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 and Cognate requirements equivalent to those outlined for the current Medical Laboratory Science program, except BIOL 329 and BIOL 340 listed under the cognates. These may be replaced by any other biology elective in the Clinical Sciences or Basic Zoology areas or upper division chemistry. (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

Year 1 – 2nd Semester

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

Year 2 – 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: 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

Year 1 – 2nd Semester

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

Year 2 – 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: 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 pre-technical programs in a wide variety of fields that may prepare students for admission to professional schools or to enter technical careers. The following nondegree preprofessional curricula are offered at Southern Adventist University:

Anesthesia	Optometry	Podiatric Medicine
Dentistry	Osteopathic Medicine	Pre-Physician Assistant
Law	Pharmacy	Veterinary Medicine
Medicine		

Detailed requirements for non-degree preprofessional curricula are outlined by department or in this section.

Associate degrees in Allied Health are available to students who fulfill pre-professional requirements for programs designated in the Allied Health section. Because pre-professional and technical admission requirements may vary from one professional school to another, students should become acquainted with the admission requirements of their chosen school.

Preprofessional and pretechnical curricula are offered in a wide variety of fields. Below are listed the curricula most frequently chosen. If other preprofessional 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: Barbara James

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 60611 or on the web at 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: Kris Erskine

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.

Southern Adventist University offers a Political Economy minor, which combines an interdisciplinary selection of courses helpful for law school preparation.

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.

Recommended courses for Law School

- ENGL 313 - Expository Writing (W) 3 hours
- PLSC 254 - American National and State Government 3 hours
- ECON 224 - Principles of Macroeconomics (IN-9) 3 hours
or INDV 360 - Political Economy 3 hours
- PLSC 471 - History of Western Thought to 1500 (W) 3 hours
or PLSC 472 - History of Western Thought since 1500 (W) 3 hours

Plus six hours of electives selected from the following courses

- 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
- ECON 225 - Principles of Microeconomics 3 hours
- HIST 357 - Modern America (IN-6) (W) 3 hours
- HIST 374 - History of England (W) 3 hours
- HMNT 211 - Introduction to Philosophy 3 hours
- JOUR 427 - Mass Media Law and Ethics 3 hours
- PLSC 357 - Modern America (W) 3 hours
- PLSC 291 - Political Science Practicum 0-6 hours
- PLSC 491 - Political Science Practicum 0-6 hours

Medicine

Advisers: Joyce Azevedo, Loren Barnhurst, Aaron Corbit, Ann Foster, 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 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 preceding the senior year. 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 website. Early submission of application is encouraged.

Once or twice each year representatives from LLU visit the campus to interview prospective students. Premedical students are encouraged to make appointments to speak with them.

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 from the Counseling and Testing Office,

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). Early submission (application) is encouraged. Application early in June is really the optimal time.

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: It is recommended that one of the first three courses be taken before taking 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). 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).

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
 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
 MATH 191 - Calculus 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
 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 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/).

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 pre-pharmacy 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. 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 reviews this program after Southern's catalog has been printed. Review changes at pharmacy.llu.edu.

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.

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
- CHEM 361 - Biochemistry I 4 hours
- PHYS 211 - General Physics I (IN-7) 3 hours
- PHYS 213 - General Physics Laboratory I (IN-7) 1 hour

Additional recommended science classes include BIOL 102, BIOL 340, BIOL 412, BIOL 417, and BIOL 418. BIOL 416 may be substituted for BIOL 101. PHYS 221, PHYS 222, PHYS 223, and PHYS 224 may be substituted for PHYS 211, PHYS 212, PHYS 213, and PHYS 214. 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.

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>.

Pre-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:

- 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. 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.

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.

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: 6 (\$90). 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: 6 (\$90). 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). Prerequisite(s): ARTG 115. 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: 10 (\$210). Prerequisite(s): AART 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. Prerequisite(s): ART 105or 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; ART 227; 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): 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: 13 (\$325). 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: 13 (\$325). 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 networks and introductory embedded scripting. 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: 13 (\$325). 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: 13 (\$325). 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 103 - College Accounting—3 hours

This course covers the fundamental accounting and financial reporting processes for small businesses, including professional service firms, merchandising firms and service organizations. This course is designed for non-business majors and does not apply for credit to a BBA or BS business major. FALL

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. This course should be taken in the freshman year. 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. 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 will meet 50 hours of the 100 required hours of internship and, if taken twice, will fully meet the internship requirement. 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 308 - Intermediate Accounting I—3 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 309 - Intermediate Accounting II—3 hours

This course is a continuation of ACCT 308. 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 308. WINTER

ACCT 316 - Governmental and Fund Accounting—3 hours

Accounting theory and practice are applied to governmental units and nonprofit 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. Prerequisite(s): ACCT 222. FALL, odd years

ACCT 432 - Accounting Ethics and Fraud—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, fraud detection, fraud investigation, management fraud, other types of fraud and resolution of fraud. WINTER, 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 222 FALL, odd years

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 and MFM programs. A student may receive credit for this course for only one program. Prerequisite(s): ACCT 309. 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 and MFS programs. A student may receive credit for this course from only one program. Prerequisite(s): ACCT 309. 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 and MFS programs. 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 and MFS programs. 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

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

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 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; BUAD 221 or MATH 215. FALL | WINTER

Allied Health

ALHT 111 - Introduction to the Health Professions—1 hours

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 Clinical 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 hours

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 outing 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 hours

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 hours

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 hours

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 hours

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 hours

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 hours

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 hours

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-1)—1 hours

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 hours

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 hours

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 hours

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 hours

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 hours

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 hours

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 hours

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 148or permission of instructor. WINTER

ADAC 248 - Intermediate Horsemanship (P-1b)—1 hours

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 148or consent of instructor. WINTER

ADAC 251 - Advanced Scuba (P-1b)—1 hours

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 125and ADAC 151. WINTER, odd years

ADAC 262 - Introduction to Camping (P-1b)—1 hours

A course continues 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 hours

This course is a multi-day immersion in back country skiing and winter expeditionary travel. 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. The course field experience will be conducted in the San Juan Mountains of Colorado during Spring Break or the January week prior to school starting. Back country huts will serve as the base camp for group safety and comfort. The lab fee includes all rental gear, transportation, and lodging. Students will have opportunity to obtain AIARE Level 1 Avalanche Safety Certification as part of this course. Lab Fee: 24 (\$1,300) FALL

ADAC 435 - Alpine Mountaineering (P-1b)—1 hours

Alpine Mountaineering develops back country and climbing skills that enable the alpinist to ascend larger mountains in an expeditionary context which often involve winter-like conditions. This field-based course provides an introduction to mountaineering skills such as snow camping, ice and mixed rock and ice-climbing, crevasse rescue and glacier travel. Due to strenuous nature of this course, participants must be in excellent physical condition. Extended field experience required. Students will be given the opportunity to get certified in AIARE Level 1 Avalanche Safety. Lab Fee: 21 (\$1,000). Prerequisite(s): ADAC 145. WINTER

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: 5 (\$60). 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: 5 (\$60). 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: 5 (\$60). Prerequisite(s): ART 105. 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 205 - Figure Workshop I—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: 7 (\$120). Prerequisite(s): ART 105, ART 110. 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: 6 (\$90). 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: 6 (\$90). 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 235 - Ceramics—3 hours

Fundamentals of the preparation and use of clay. Methods of fabrication from hand building to wheel-thrown wares, chemistry and application of glazes, and stacking and firing of kilns. May be repeated for credit. Lab Fee: 9 (\$180). FALL | WINTER

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: 5 (\$60). Prerequisite(s): ART 105, ART 109; PSYC 122, PSYC 128. FALL

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 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 II—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. Lab Fee: 7 (\$120). Prerequisite(s): ART 221, ART 222 or Permission of Instructor. FALL

ART 306 - Drawing IV—3 hours

An investigation of space and its visible and invisible qualities and associations. Vast and minute spaces are examined from a variety of viewpoints. Emphasis is placed on the idea of Inside/Outside space. Perspective and non-perspective systems provide points of reference for creating spatial illusion as well as intensive media exploration. Students will push the range of invention as they develop a series of related works. Lab Fee: 5 (\$60). 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: 6 (\$90). 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: 6 (\$90). Prerequisite(s): ART 105. WINTER

ART 340 - Introduction to Studio Practices—3 hours

An introductory course in studio practices, in which the student will acquire the skills to prepare for self-directed creative work. It is expected that the student will begin to develop content through visual research, inquiry, and material consideration that will be developed over the next two years. Students will push the range of invention as they develop a series of related works that shows consistency in style and focus both materially and conceptually. Lab Fee: 6 (\$90). Prerequisite(s): ART 222 or permission of instructor. FALL | WINTER

ART 370 - Studio Practices—3 hours

In this course students continue the concepts and materials investigations begun in Intro 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: 6 (\$90). Prerequisite(s): ART 340or 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: 5 (\$60). 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: 6 (\$90). Prerequisite(s): ART 221or permission of instructor. FALL | WINTER

ART 412 - Preparing to Meet the Firms—1 hours

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: R&sum&A@s, 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 420 - 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 the winter semester. Lab Fee: 7 (\$120). Prerequisite(s): ART 370or permission of instructor. 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 420or permission of instructor. FALL | WINTER

ART 460 - Professional Practices—3 hours

A preparation for professional artistic practice and/or graduate school. Portfolio design, artist statement, r&sum&A© and applications will be prepared and topics relevant to professional artistic practice discussed. Lab Fee: 5 (\$60). FALL | WINTER

ART 465 - Topics in Art—1-6 hours

See ART 265for course description. Lab Fee: Variable as needed. FALL | WINTER

ART 495 - Directed Study—1-3 hours

See ART 295for course description. 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.

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: 13 (\$325). 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: 6 (\$90). 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: 13 (\$325). 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. 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

Full participation in workshops and seminars presented by active professionals in the field. The presentations are offered in intensive blocks over the weekends two to three times per year. Selected topics are related to all areas of the film production field. This is a studio course. Lab Fee: 9 (\$180). 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: 13 (\$325).

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: 13 (\$325). 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: 13 (\$325). Pre- or Co-requisite: Pre- or Co-requisite: ARTF 320. FALL

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: 13 (\$325). 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. 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: 13 (\$325). Prerequisite(s): ARTF 328. WINTER

ARTF 465 - Topics in Film Production—1-3 hours

See ARTF 265 for course description. Lab Fee: 9 (\$180). 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: 13 (\$325). 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, a 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: 13 (\$325).

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: 13 (\$325). 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: 13 (\$325). 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: 13 (\$325). 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: 6 (\$90). 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: 13 (\$325). 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: 13 (\$325). 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: 15 (\$400). Prerequisite(s): ARTG 138. 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: 13 (\$325). 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: 13 (\$325).

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: 13 (\$325). 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: 13 (\$325). 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: 13 (\$325). Prerequisite(s): ART 238 or permission of instructor. WINTER

ARTG 420 - Corporate Identity (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: 13 (\$325). 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: 13 (\$325). Prerequisite(s): Senior standing in Graphic Design major. WINTER

ARTG 465 - Topics in Computer Graphics—1-3 hours

See ARTG 265for course description. Lab Fee: 13 (\$325). 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 100 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 295for 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 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 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: 5 (\$60). 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 218for 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

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. WINTER

ARTH 335 - Medieval, Renaissance, and Late Baroque Art History (IN-10) (W)—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. WINTER

ARTH 340 - Art History Study Tour—3 hours

See ARTH 240for course description. SUMMER

ARTH 345 - Contemporary Art (IN-10) (W)—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. FALL | WINTER

ARTH 346 - Art Theory, Criticism and the Christian Worldview—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 345or ARTH 218or ARTH 318 FALL

ARTH 455 - Museum Studies—3 hours

See ARTH 255for course description. Lab Fee: 5 (\$60). 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 295for 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: 9 (\$180). FALL

ARTI 223 - Interactive Media I—3 hours

This course will introduce students to planning and designing websites using HTMLand 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: 13 (\$325). 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: 12 (\$300). 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.

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: 13 (\$325). 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: 13 (\$325). 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: 9 (\$180).

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 hours

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: 5 (\$60).

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. 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, 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

BIOL 102 - Anatomy and Physiology—4 hours

A study of the fundamentals of human anatomy and physiology. This course covers integumentary, 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 hours

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. Prerequisite(s): BIOL 151. 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 495open 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 for credit. Prerequisite(s): BIOL 282and permission of instructor. FALL | WINTER

BIOL 305 - Proposal Writing (W)—1 hours

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 282and 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 151or BIOL 225. FALL

BIOL 312 - Vertebrate Natural History—3 hours

Natural history of the vertebrate classes including ecology, physiology, behavior, classification and identification, with emphasis on local species. Two lectures and one three-hour laboratory each week. Lab Fee: 7 (\$120). Prerequisite(s): BIOL 151- BIOL 152. WINTER, odd years

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 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. WINTER

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. This course is cross-listed with PSYC 387. A student may receive credit for this course from only one program. Prerequisite(s): BIOL 151- BIOL 152 or PSYC 122 and PSYC 128. WINTER, even years

BIOL 409 - Smoky Mountain Flora—3 hours

A field study of the wild flowers, shrubs and trees in the Great Smoky Mountain National Park, which contains the world's finest examples of temperate deciduous forest. Plants are identified by means of botanical keys, and observation lists are kept. Special attention is given to the different forest types and their associated plants. Involves a 10-day to three-week camping study experience. Field trips daily. Lab Fee: 11 (\$240). Prerequisite(s): BIOL 152. SUMMER, odd years

BIOL 411 - Mammalogy—3 hours

A study of the mammals of the world, with emphasis on North America. Includes classroom and field study of systematics, distribution, behavior and ecology. Identification and preparation of specimens is required in the laboratory. An extended weekend field trip and at least one day trip will be required as part of laboratory credit. Two lectures and one three-hour laboratory each week. Lab Fee: 5 (\$60). Prerequisite(s): BIOL 151- BIOL 152. FALL, 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 152or 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. 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 hours

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. Prerequisite(s): BIOL 476 and permission of instructor. FALL | WINTER

Marketing

BMKT 229 - Personal Selling—3 hours

Designed to teach strategies that will increase promotional effectiveness when selling through personal, retail, and/or wholesale markets. This course focuses predominantly on personal sales. Topics include: prospecting, contact management, sales interaction and presentation, closing the sale, and follow-up. FALL

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 - E-Marketing—3 hours

This course focuses on the technologies marketers use to implement strategic marketing programs with particular emphasis on the use of technology for marketing analytics, delivery of promotions, and customer relationship management programs. Students will learn fundamentals of desktop publishing applications, database programs, social networking, Web 2.0, as well as other cutting edge technology marketers utilize. 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

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

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; BUAD 221 or 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 Electronic Media—3 hours

Explores the history and structure of legacy media like film, radio, TV, and cable, with emphasis on emerging internet-based distribution including social media, video streaming, and mobile platforms. The course examines how political and regulatory bodies impact electronic media and considers its ethical and cultural effects. 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 227 - Multi-Camera Production—3 hours

An introduction to the basics of producing both studio and multi-camera video programs. Students produce individual and group projects in the School's studio in Brock Hall. Emphasis is also given to lighting, audio, and video editing. Lab Fee: 11 (\$240). Prerequisite(s): BRDC 127. FALL, odd years

BRDC 245 - Senior Project—1 hours

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. 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 327 - Advanced Field Production—3 hours

An advanced video production class with a focus on digital video acquisition, non-linear editing, and the production of television graphics. Students will produce a series of single-camera video projects, utilizing non-linear editing and digital effects programs. This course will also include an introduction to video streaming on the Web. Lab Fee: 11 (\$240). Prerequisite(s): BRDC 227. 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 involved in planning and operating electronic media including personnel, programming, business ethics, community relations, sales, FCC policies and promotion. Students interview media managers during field trips to area radio, TV, and cable operations. Added emphasis on Christian broadcasting including WSMC-FM and other local media ministries. Case study method is involved. Prerequisite(s): BRDC 201. FALL, even years

BRDC 426 - TV News Reporting and Performance—3 hours

Students become reporters, videographers, producers, and anchors for a weekly newscast produced in the School's Brock Hall studio. Students learn basics of visual storytelling as they use digital equipment to shoot and edit packages for broadcast. In addition, each student is required to create an on-line 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. Lab Fee: 11 (\$240). Prerequisite(s): BRDC 127, BRDC 314, BRDC 227/BRDC 327, or COMM 315. FALL, even years

BRDC 445 - Senior Project—1 hours

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 492 - Broadcast/Media Production Internship—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. 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 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 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. 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 hours

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 hours

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 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 hours

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 NRS 412, NURS 412, and SOCW 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 488 - Seminar in Business Administration—1 hours

See BUAD 288 for course description. WINTER

BUAD 490 - International Semester—0 hours

Lab fee for the international semester abroad. Lab Fee: 12 (\$300). FALL | WINTER

BUAD 491 - Business Practicum—0-3 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 hours

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. Prerequisite(s): BUAD 221 or 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 111 - Survey of Chemistry I (IN-7)—3 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 each week. Prerequisite(s): Previous or concurrent enrollment in CHEM 113; 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

CHEM 113 - Survey of Chemistry Laboratory I (IN-7)—1 hours

Laboratory material designed to illustrate the material in CHEM 111. Does not apply to a major or minor in Chemistry. Two and one-half hours of laboratory each week. Lab Fee: 1 (\$10). Prerequisite(s): Previous or concurrent enrollment in CHEM 111. FALL

CHEM 114 - Survey of Chemistry Laboratory II—1 hours

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). Prerequisite(s): Previous or concurrent enrollment in CHEM 120. WINTER

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. Prerequisite(s): Minimum composite ACT score of 18, SAT score of 1290, R-SAT score of 940, or CHEM 111 with a grade of C- or higher. FALL | WINTER | SUMMER

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 111 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 hours

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): Must be a chemistry major; successful completion of CHEM 152. 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 305 - Tutoring Chemistry (SERV-2)—1 hours

See CHEM 205 for course description. Prerequisite(s): Must be a chemistry major; successful completion of CHEM 205 and CHEM 312. WINTER

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: 3 (\$20). 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: 3 (\$20). 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: 2 (\$15). 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 hours

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 hours

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 hours

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 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 265 - Topics—1-3 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 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 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

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 and an introduction to ethnographic research methods. 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 research methodology and to evaluate different research designs. Emphasizes the importance of the development and exchange of scholarly information as students conduct primary, quantitative research. This class should be completed before taking 400 level classes in the School of Journalism and Communication. 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, using rhetorical criticism research methods and practice. FALL

COMM 415 - Portfolio and Career—1 hours

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. This course is cross-listed with ENGL 420. A student may receive credit for this course from only one program. WINTER

COMM 465 - Topics—1-3 hours

See COMM 265 for course description. FALL | 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, combinational datapath elements, memory, I/O design, CAD tools, project design methodologies, 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): CPHE 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 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 322 - Analog Electronics—4 hours

Foundational theory and practice of analog circuit analysis and design. Basic concepts of circuit behavior, electronic components, circuit analysis methods, operational amplifiers, semiconductors, optoelectronics, and sensors. 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. Three hours of lecture and three hours of laboratory each week. Three 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 410 - Computer Interfacing—4 hours

Fundamentals of computer interfacing and embedded system development. Processors, chipsets, commercial busses, and I/O devices for high-end embedded systems. Embedded and real-time operating systems, device drivers, multitasking, instruction set architectures, DMA, common bus standards, and current I/O interfaces. The laboratory component emphasizes a team design experience. Three 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, 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 hours

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. Online only. FALL | WINTER | SUMMER

CPTE 105 - Introduction to Word Processing—1 hours

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 hours

Using spreadsheet software to manage data, use formulas and functions, develop professional-looking spreadsheets, create charts and graphs, manage lists, work with multiple spreadsheets and files, use editing and web tools, and develop spreadsheet applications. Does not apply on a major or minor in Computing. Online only. FALL | WINTER

CPTE 107 - Introduction to Database—1 hours

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 hours

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 hours

Web development using HTML. Designing and developing web sites using web site creation software. Maintaining and updating web sites. Online only. FALL | WINTER | SUMMER

CPT 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: JOUR 242or CPT 110or permission of instructor. WINTER

CPT 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): CPT 212or CPTR 215. FALL

CPT 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): CPT 212orCPTR 215. WINTER

CPT 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

CPT 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.

CPT 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, CPT, CPIS upper division course with a service oriented project that fulfills one or two Level II requirements of the Christian Service program. FALL | WINTER

CPT 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

CPT 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 328or permission of instructor. WINTER, even years

CPT 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): CPT 254, CPT 230. FALL, odd years

CPT 465 - Topics in Computer Technology—1-3 hours

See CPT 265 for course description. Prerequisite(s): Permission of the instructor. FALL | WINTER

CPT 495 - Directed Study in Computer Technology—1-3 hours

See CPT 295for course description. 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, CPT, CPIS upper division course with a service oriented project that fulfills one or two Level II requirements of the Christian Service program. FALL|WINTER

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): MATHACT > 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 an object-oriented 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 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. WINTER, even years

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. WINTER

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): CPE 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 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; CPHE 222; 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; CPHE 222. 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): CPHE 222; 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, odd years

CPTR 432 - Managing and Programming Mobile Applications—3 hours

This is a practical course in web and mobile centric computing. Topics include programming mobile devices and web services, and configuring servers and services for deploying and managing web services and mobile programs. Prerequisite(s): CPT 230. FALL, even 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 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 topics treated in current computer science literature. RÅsumÅ writing, interviewing, application to graduate school, GRE testing, social and professional issues, witnessing on the job and at graduate school are also discussed. A comprehensive assessment exam will be taken as a class requirement. Prerequisite(s): Admission to the School of Computing; Senior standing or permission of instructor. FALL

CPTR 488 - Senior Project—2 hours

Team-based, capstone project that demonstrates the student's ability to integrate various elements of the undergraduate computing experience. Project will include proposal, implementation, and presentation phases. Particular attention will be given to literature review, budgeting, societal effects, and design process. WINTER

CPTR 492 - Computing Internship—1-3 hours

See CPTR 292for 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 295for 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 224or ECON 225has been taken. This course does not apply for credit to a BBA or BS Business major. FALL

ECON 224 - Principles of Macroeconomics (IN-9)—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, Rates, and Flows—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

Outdoor Education

EDOE 301 - Outdoor Ministries (SERV-2)—3 hours

This course sharpens students' skill in connecting people with God through nature. 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, experiencing wilderness as a place of spiritual transformation, etc.) 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

EDOE 348 - Environmental Education (SERV-2)—3 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

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 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

This course is 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 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: 7 (\$120). FALL | WINTER

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. SUMMER

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 effective religious (spiritual) instruction. Strategies will be taught within the context of leading children into a personal relationship with God, providing them with a belief system, and teaching them the principles of discipleship. Teacher candidates will focus on using the natural learning cycle to develop lesson plans, including cooperative learning structures and Dimensions of Learning. Field experience is required. Lab Fee: 4 (\$30). WINTER

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): with a grade of C or MATH ACT of 19. 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): Admission to Teacher Education.

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): Admission to Teacher Education or permission of instructor. FALL

EDUC 303 - Professional Seminar—1 hours

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 cooperating 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): Admission to Teacher Education. 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 319 - Technology in Education—3 hours

This course examines educational technology as an effective means for supporting instruction and maximizing learning. Particular emphasis is given to the selection, development, and utilization of electronic instructional media, as well as educational issues related to the use of technology. Students participate in a variety of hands-on experiences in the utilization of technology resources, as well as in the creation of technology-rich learning elements and environments. Note: This course meets the technology requirements for NAD recertification. Lab Fee: 4 (\$30). FALL | WINTER

EDUC 320 - Literacy in the Primary Grades—2 hours

This course is a professional development experience designed to prepare PreK-2nd grade teachers to incorporate developmentally appropriate practices supporting literacy in the instructional program, including common core standards, assessment, and differentiated instruction. The course will focus on a comprehensive study of evidence-based practices related to phonemic awareness, phonics, reading and writing process, spelling, and oral language. A minimum of twenty (20) hours of field experience is required. Lab Fee: 8 (\$150). Prerequisite(s): Admission to Teacher Education FALL

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): Admission to Teacher Education 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): Admission to Teacher Education. 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 326 - Elementary Reading Methods—3 hours

A comprehensive study of effective and evidence-based reading principles and instructional methods appropriate for Kindergarten-8th grade. Effective methods and strategies related to phonemic awareness, phonics, fluency, vocabulary, and comprehension 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 reading instruction. Incorporates fieldwork that includes an intensive culminating field experience in conjunction with EDUC 327, EDUC 328, EDUC 329, and EDUC 331, providing opportunity for application of knowledge skills, and dispositions. Must be taken in residence. Lab Fee: 1 (\$10). Prerequisite(s): Admission to Teacher Education. Corequisite(s): EDUC 327, EDUC 328, EDUC 329, and EDUC 331. WINTER

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 326, EDUC 328, EDUC 329, and EDUC 331, providing opportunity for application of knowledge, skills, and dispositions. Lab Fee: 1 (\$10). Prerequisite(s): Admission to Teacher Education. Corequisite(s): EDUC 326, EDUC 328, EDUC 329, and EDUC 331. WINTER

EDUC 328 - Elementary Science and Health Methods—3 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 326, EDUC 327, EDUC 329, and EDUC 331, providing opportunity for application of knowledge, skills, and dispositions. Lab Fee: 1 (\$10). Prerequisite(s): Admission to Teacher Education. Corequisite(s): EDUC 326, EDUC 327, EDUC 329, and EDUC 331. WINTER

EDUC 329 - Elementary Social Studies Methods—3 hours

An introduction to the pedagogical knowledge, skills, and dispositions related to effective instruction and assessment in Social Studies for Kindergarten-8th grade. Teacher candidates become familiar with frameworks of instruction that support multi-grade contexts, developmentally appropriate practices, and differentiating for diversity. Incorporates field work that includes an intensive culminating field experience in conjunction with EDUC 326, EDUC 327, EDUC 328, and EDUC 331, providing opportunity for application of knowledge, skills, and dispositions. Lab Fee: 1 (\$10). Prerequisite(s): Admission to Teacher Education. Corequisite(s): EDUC 326, EDUC 327, EDUC 328, and EDUC 331. 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 326, EDUC 327, EDUC 328, and EDUC 329 provide opportunity for application of knowledge, skills, and dispositions. Lab Fee: 1 (\$10). Prerequisite(s): Admission to Teacher Education. Corequisite(s): EDUC 326, EDUC 327, EDUC 328, and EDUC 329. 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): Admission to Teacher Education or permission of instructor. FALL | 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): Admission to Teacher Education. 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. Fifteen hours of field experience provide opportunity for application of knowledge, skills, and dispositions. Prerequisite(s): Admission to Teacher Education. 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: 5 (\$ 60). Prerequisite(s): Admission to Teacher Education. Corequisite(s): Should be taken jointly with EDUC 341, EDUC 342, and EDUC 434, as applicable in the candidate's program. FALL | WINTER

EDUC 350 - Web-based K-6 Unit Planning—1 hours

Designed to introduce students to designing conceptually based thematic units based on the natural learning cycle. Units will be designed using web-based technology. 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): Admission to Teacher Education or permission of instructor. FALL | WINTER

EDUC 421 - Behavior Management-Elementary—2 hours

This course is designed to prepare the candidate to successfully manage kindergarten and elementary 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): Admission to Teacher Education. FALL

EDUC 423 - Issues in Adolescence—3 hours

See PSYC 422for 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 425 - Pre-K-K Methods and Administration—3 hours

Designed to give the student an understanding of developmentally appropriate classroom administration, program planning, assessment, materials, and strategies for teaching your children in preschool and kindergarten. Emphasis is given to application of the principles of child development, differentiating instruction, and methods for promoting harmonious physical, mental, social, and emotional growth. Students should be working in a PreK-K classroom or be able to arrange for comparable field experience.

EDUC 434 - Reading and Writing in the Content Areas—2 hours

This course will help secondary teachers focus on those literacy skills essential to differentiate for the needs of each student. It will include modeling the process necessary for literacy and learning concepts in a subject area and instructing students so they can become independent learners. The development of vocabulary, comprehension and study/reference skills in middle and high school will be covered. Causes of literacy problems, assessment procedures, and organization of a sound literacy program are stressed. Principles learned will be applied in classroom settings. Fifteen hours of field experience provide opportunity for application of knowledge, skills, and dispositions. This course meets secondary reading methods requirements. Prerequisite(s): Admission to Teacher Education. Corequisite(s): Should be taken jointly with EDUC 341, EDUC 342, and EDUC 343, as applicable in the candidate's program. FALL | WINTER

EDUC 440 - Assessing and Remediating Math Difficulties—2 hours

This course is designed to train teacher candidates with the response to intervention model for Mathematics. Candidates will become familiar with universal assessments, progress monitoring, and formative decision making to inform the types of research-based interventions to be implemented. An intensive field experience involves classroom observation, administration and analysis of assessments, and use of interventions in a tutoring context. Lab Fee: 6 (\$90). Prerequisite(s): Admission to Teacher Education and EDUC 327. FALL

EDUC 442 - Assessing and Remediating Reading Difficulties—2 hours

This course is designed to train teacher candidates with the Response to intervention model for English Language Arts. Candidates will become familiar with universal assessments, progress monitoring, and formative decision making to inform the types of research-based interventions to be implemented. An intensive field experience involves classroom observation, administration and analysis of assessments, and use of interventions in a tutoring context. Lab Fee: 6 (\$90). Prerequisite(s): Admission to Teacher Education. 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 326, EDUC 327, EDUC 331, and EDUC 457, providing opportunity for application of knowledge, skills, and disposition. Lab Fee: 1 (\$10). Prerequisite(s): Admission to Teacher Education. Corequisite(s): EDUC 326, EDUC 327, EDUC 331, 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 326, EDUC 327, EDUC 331, and EDUC 454, providing opportunity for application of knowledge, skills, and dispositions. Lab Fee: 1 (\$10). Prerequisite(s): Admission to Teacher Education. Corequisite(s): EDUC 326, EDUC 327, EDUC 331, 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. 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. 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. 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 hours

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): Admission to the Teacher Education program with 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): Admission to Teacher Education.

English Language Skills

EESL 123 - Language Skills: Grammar 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. Students who do not earn a minimum grade of C will be required to repeat the course. EESL 123 and EESL 124 may be taken in any order. Prerequisite(s): TOEFL score of at least 450 (IBT45). FALL

EESL 124 - Language Skills: Grammar 2—3 hours

This course provides a further look at introductory grammar topics and continues the development of grammar skills for clear and accurate communication. Students who do not earn a minimum grade of C will be required to repeat the course. EESL 123 and EESL 124 may be taken in any order. Prerequisite(s): TOEFL score of at least 450 (IBT 45). WINTER

EESL 125 - Language Skills: Grammar 3—3 hours

This course offers a review of English grammar with a focus on accuracy in written usage. Students who do not earn a minimum grade of C will be required to repeat the course. Prerequisite(s): TOEFL score of at least 500 (IBT 61) or completion of EESL 124 with a grade of C or higher. FALL

EESL 126 - Language Skills: Grammar 4—3 hours

This course offers a review of English grammar with a focus on accuracy in written usage. Students who do not earn a minimum grade of C will be required to repeat the course. Prerequisite(s): Completion of at least one semester in the ESL program or TOEFL score of at least 525 (IBT 71). WINTER

EESL 133 - Language Skills: Writing 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 with emphasis on sentence and paragraph structure. Students who do not earn a minimum grade of C will be required to repeat the course. Prerequisite(s): TOEFL score of at least 450 (IBT 45). Corequisite(s): EESL 134. FALL | WINTER

EESL 134 - Language Skills: Writing 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. Students who do not earn a minimum grade of C will be required to repeat the course. (Winter, but can be taught and scheduled concurrently with EESL 133 in the fall for students who meet prerequisites). Prerequisite(s): TOEFL score of at least 500 (IBT 61) or completion of EESL 124 with a grade of C or higher. FALL | WINTER

EESL 142 - English for Academic Purposes 1—3 hours

This course serves to increase vocabulary and develop reading skills for newcomers to the American academic environment. Students will learn strategies for approaching academic readings and lectures, and show understanding through paraphrase, summary, and note taking skills. Students may also be

exposed to library and research skills. Students who do not earn a minimum grade of C will be required to repeat the course. Prerequisite(s): TOEFL score of at least 450 (IBT 45). FALL

EESL 143 - English for Academic Purposes 2—3 hours

This course improves the student's ability to handle academic reading, oral academic discourse, and the critical thinking skills demanded by university course work. This course is primarily designed for students who enter the university for the first time in the winter semester or whose TOEFL scores remain low after completion of the fall semester. Prerequisite(s): TOEFL score of at least 450 (IBT 45). WINTER

Literature

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 enjoyment. 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 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, Tynedale, 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 368 - Studies in Milton (IN-10) (W)—3 hours

The major poetry of John Milton, including *Lycidas*, *Paradise Lost*, selected sonnets, psalms, tracts, and important prose. 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 7-12. 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 442 - 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 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 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 490 - Senior Capstone—1 hours

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 - Basic Writing—3 hours

ENGL 100 focuses on development of writing skills necessary for successful entry into ENGL 101 and for increasing English ACT scores. Students with English ACT scores below 18 must register for this

class. In special cases where a Basic Writing student with a low score demonstrates the skills to succeed in ENGL 101, the Composition Coordinator, in concert with affected ENGL 100 and ENGL 101 professors, may agree to admit him or her to ENGL 101. Students successfully completing this course with a grade of C or higher earn three institutional elective credits. Near the end of the course, students take the English section of the ACT test and must score 18 or higher in order to progress into ENGL 101. The test fee may be charged to student accounts. This course does not count toward an English major or minor. 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): 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 hours

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 132 - Programmed Grammar Study—1 hours

This is a structured review of English grammar, mechanics, and usage for students who need to demonstrate proficiency in these skill areas. This course does not count toward an English major or minor. FALL | WINTER

ENGL 150 - English Major Qualification—0 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 202 - Grammar—3 hours

This course is a rigorous examination of English grammar (descriptive and prescriptive) focusing on how words function in sentences and how sentences relate to one another in paragraphs. The class may be waived as an English-major requirement for those who receive a score of 90% or higher on the associated pre-test. WINTER, even years

ENGL 220 - Imagination in the Written Word—3 hours

This course is an introduction to creative writing. Students will read contemporary writers across the spectrum of creative writing including short fiction, literary nonfiction, and poetry in order to learn, analyze, and imitate effective writer's craft. Students will write short fiction, memoir, the literary essay, poetry, and blogs utilizing the elements of story and the tools of imaginative writing. Active participation in critiquing peers' writing and the creation of a portfolio of original work 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 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 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. Prerequisite(s): ENGL 220. 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. Prerequisite(s): ENGL 220. WINTER, even years

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 for Writers—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 - Professional and Technical 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. 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 hours

For this course, English majors write a full-length research paper, which will replace the normal research assignment in one upper-division ELIT or ENGL class. 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 research assignment 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 hours

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—1-3 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. 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 492 - English Internship—3 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 hours

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. 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. 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. 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. WINTER

FNCE 452 - Financial Markets, Rates, and Flows—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 and FNCE 315. 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. 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. WINTER, even years

FNCE 465 - Topics in Finance—1-3 hours

See FNCE 265 for course description. Prerequisite(s): Permission of the instructor. FALL | WINTER

FNCE 491 - Finance Practicum—0-3 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

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): BUAD 221 or 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, ELIT 216 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, ELIT 216 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, Flaubert, 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, ELIT 216 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, ELIT 216 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 hours

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 295for 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 hours

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 hours

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 101or 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 102or 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 - American History to 1877 (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. FALL

HIST 155 - American History since 1877 (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. WINTER

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. FALL

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. WINTER

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 297 - Historiography (SERV-2)—2 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: 4 (\$30). FALL | WINTER

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. WINTER

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. WINTER, odd years

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 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. FALL | WINTER

HIST 356 - Natives and Strangers (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 SOCI 356. A student may receive credit for this course from only one program. WINTER, odd years

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. WINTER, even years

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. FALL

HIST 364 - Christian Church I: From the Early Church Through the Middle Ages (IN-6) (W)—3 hours

See HIST 363 for course description. FALL

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. WINTER

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. WINTER

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. WINTER, even years

HIST 374 - History of England (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.

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. WINTER, odd years

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 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. FALL | WINTER

HIST 465 - Topics in History [465 typically qualifies as a (W) course]—3 hours

See HIST 265for course description. FALL | WINTER

HIST 471 - History of Western Thought to 1500 (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 - History of Western Thought since 1500 (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 hours

Independent Study and reading in preparation for the one hour oral assessment exam taken by senior history majors. FALL

HIST 494 - International Study Tour—3 hours

See HIST 294for course description. Lab Fee: Additional fees may be charged. SUMMER

HIST 495 - Directed Study (W)—1-3 hours

See HIST 295for course description.

HIST 496 - U.S. Study Tour—3 hours

See HIST 296for 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 297; Word processing and familiarity with Internet searches are prerequisites to this course; Students must have completed at least one writing (W) class. FALL

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 hours

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 form the National Society of Health Coaches upon successful completion of this course and a test pass completion of a NSHC certification examination. 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

Nutrition for Life**HLNT 130 - Nutrition—2 hours**

A general education course that covers the basic principles of human nutrition. Includes the study of nutrients and the requirements for different age groups and normal physiological conditions. Attention will be given to religious and sociological influences, taking particular note of the counsel of E.G. White.

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. FALL | 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 hours

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 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 hours

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 hours

See HMNT 150 for course description. SUMMER

HMNT 451 - Interdisciplinary Studies: Belief—1 hours

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 hours

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. FALL

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. WINTER

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. SUMMER

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. FALL|WINTER

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. FALL | WINTER| SUMMER

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. SUMMER

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). FALL

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. WINTER, even years

INDV 370 - Policies in Global Health (W)—3 hours

Topics include best practices in health policy, management, lifestyle medicine, and community based development. FALL, odd years

INDV 465 - Topics—3 hours

See INDV 265 for course description. FALL | WINTER

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. FALL

INDV 490 - Oral Exam—1 hours

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. FALL

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. FALL | WINTER | SUMMER

INDV 495 - Directed Study—1-3 hours

See INDV 295 for course description.

INDV 499 - Oral Exam—1 hours

Lists of readings and study guide questions to be assessed in a one-hour oral exam during the senior year. FALL | WINTER

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; 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. Lab Fee: 9 (\$180). FALL | WINTER

JOUR 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. Besides learning basic design elements and Web writing, students will be introduced to HTML and CSS Web page creation utilizing Photoshop and Dreamweaver, as well as the basics of content management systems. Lab Fee: 8 (\$150). Prerequisite(s): JOUR 208or CPTR 108. FALL | WINTER

JOUR 245 - Senior Project—1 hours

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. 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, JOUR 242. WINTER, even years

JOUR 356 - In-depth 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 391 - Practicum—1-3 hours

See JOUR 291 for course description. Prerequisite(s): Consent of instructor before arranging for practicum. FALL | WINTER | SUMMER

JOUR 416 - Literary Journalism—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 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

JOUR 445 - Senior Project—1 hours

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 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

JOUR 492 - Journalism Internship—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. FALL | WINTER | 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

Long Term Care Administration

LTCA 265 - Topics in Long Term Care 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

LTCA 288 - Seminar in Health Service Administration—1 hours

This course is designed to introduce students to the three key dimensions of the health services industry including, but not limited to, long-term care, assisted living, and home community care, as described by professionals currently working in the field. FALL | SUMMER

LTCA 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.

LTCA 390 - Internship in Home and Community Based Organizations—1 hours

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 LTCA 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): LTCA 431, LTCA 432, LTCA 434, LTCA 435, or permission of LTCA program director. FALL | WINTER | SUMMER

LTCA 431 - General Administration of the Long Term Care Facility I—3 hours

Introduces the mission, values, organization, and strategies of nursing homes and other organizations in the long term care field and reviews their history and philosophy. Applies the concepts of management to the areas of staffing, governance, operations, and physical environment of the care facility. 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 464or permission of LTCA program director. SUMMER, on campus | FALL, online

LTCA 432 - General Administration of the Long Term Care Facility II—3 hours

A detailed study of the technical aspects of long term care administration 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

LTCA 434 - Financial Management of the Long Term Care Facility—3 hours

A review of techniques and interpretation of financial information for management decision making in the long term care facility. Prerequisite(s): ACCT 321, FNCE 315or permission of instructor. SUMMER, on campus | WINTER, online

LTCA 435 - Human Resource Management and Marketing of the Long Term Care 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. Marketing functions, problems, services, and competitive practices will also be covered. Prerequisite(s): MGNT 344or permission of LTCA program director. SUMMER, on campus | Winter, online

LTCA 465 - Topics in Long Term Care Administration—1-3 hours

See LTCA 265 for course description. Prerequisite(s): Permission of the instructor. FALL | WINTER

LTCA 490 - Internship in Assisted Living/Residential Care Community—1 hours

The internship is designed to provide the student with 150 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 LTCA 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): LTCA 431, LTCA 432, LTCA 434, LTCA 435or permission of LTCA program director. FALL | WINTER | SUMMER

LTCA 492 - Long Term Care Administration Internship (SERV-2)—2-8 hours

The internship is a tailored program of 650-1000 clock hours of management training experience in a long term care 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 Long Term Care Internship Manual. Prerequisite(s): LTCA 431, LTCA 432, LTCA 434, LTCA 435or permission of LTCA program director. FALL | WINTER | SUMMER

LTCA 495 - Directed Study—1-3 hours

See LTCA 295for course description.

LTCA 497 - Long Term Care 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; LTCA 431, LTCA 432, LTCA 434, LTCA 435, or permission of LTCA program director. 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.

Math**MATH 081 - Introduction to Algebra and Statistics—0 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, SATscore 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, SATscore of 520, R-SAT score of 550, or MATH 117 with a grade of C or better. FALL | WINTER | SUMMER

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 28, SAT score of 640, or R-SAT score of 660. 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 hours

This course is a service learning course designed to help students become effective peer tutors. Prerequisite(s): Mathematics majors; 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 191. 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 120or equivalent; Familiarity with a programming language. FALL

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 hours

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, MATH 219, or MATH 280. FALL, odd 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, even 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 219or MATH 280and CPTR 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. 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, even 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 218and 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 hours

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 hours

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 495 - Directed Study—1-3 hours

See MATH 295 for course description. Prerequisite(s): Approval by department faculty.

Modern Languages

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. FALL

MDLG 266 - Topics in Modern Languages—1-3 hours

See MDLG 165 for course description. FALL | WINTER

MDLG 350 - Global Citizenship Seminar I—1 hours

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: 10 (\$210). FALL

MDLG 450 - Global Citizenship Seminar II—1 hours

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 hours

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: 6 (\$90). 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 - Managing Business Networks and Operations—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; BUAD 221 or MATH 215. 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 103 or 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: 2 (\$15). 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

See MGNT 288 for course description. Lab Fee: 6 (\$90). 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

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

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): BUAD 221 or 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 315 - Church Music Materials and Administration—3 hours

The study of worship philosophies, denominational political hierarchies, liturgies, ensemble organization, appropriate music literature for performance and administrative procedures. Students are required to prepare service music for services of various denominations. FALL | WINTER

Music Theory

MUCT 107 - Basic Musicianship I—1 hours

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 hours

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 hours

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 hours

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 hours

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 hours

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 212or 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 212or 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 212or 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 212or 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 295for course description.

Music Education

MUED 231 - Music and Movement: A Sequential Approach—2 hours

A survey of the structure of music including music fundamentals, movement to music, performance skills, listening skills, and the integration of music into life activities. This course does not apply toward a major or minor in music. Prerequisite(s): EDUC 129, EDUC 138, or approval of instructor. FALL, even years

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): CPT 100or equivalent. WINTER, even 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 technic, repertoire, and musicianship. Observation and teaching are required. Prerequisite(s): Two hours of MUPF 189or 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 189or 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 189or 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 hours

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 hours

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 hours

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 hours

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 hours

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 hours

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 hours

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 hours

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 hours

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 hours

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. 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 hours

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 hours

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 hours

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 hours

See MUPF 118 for course description. FALL | WINTER

MUPF 319 - Bel Canto—1 hours

See MUPF 119 for course description. FALL | WINTER

MUPF 328 - Wind Symphony—1 hours

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 hours

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 hours

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 hours

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 hours

See MUPF 178 for course description. FALL | WINTER

MUPF 388 - Vocal Ensemble Experience—1 hours

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 099 - Student Missions Orientation—0 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 hours

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 hours

This course is designed to equip 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. FALL

NOND 105 - The University Enrichment—1 hours

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 226 - Christian Service (SERV-2)—0-3 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. 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 NRSRG 308 for course description. Lab Fee: Variable. This course is cross-listed with NRSRG 308 and NURS 227. A student may receive credit for this course from only one program. WINTER

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

NRSRG 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 will be assessed for this course. This course is cross-listed with NURS 090. A student may receive credit for this course from only one program. FALL | WINTER | SUMMER

NRSG 103 - Associate Nurse Perspectives—1 hours

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 examination over basic skills common to all areas of nursing. FALL | WINTER | SUMMER

NRSG 110 - Fundamentals of Nursing—8 hours

A foundational nursing course that builds on the concepts of the Seventh-day Adventist Nursing Framework, in which health assessment is viewed from the physiological, psychological, sociocultural, and spiritual variables of client systems. The eight natural remedies will be applied with an emphasis on primary and secondary prevention interventions. The nursing process, as well as nursing skills and assessment, will be applied in the skills and simulation labs and in direct patient care in acute care facilities. Six hours of theory, two hours clinical. Lab Fee: 15 (\$400). Prerequisite(s): Admission to the School of Nursing; BIOL 101-BIOL 102; CHEM 120or CHEM 151. FALL | WINTER | SUMMER

NRSG 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). This course is cross-listed with NURS 310. A student may receive credit for this course from only one program. Prerequisite(s): NRSG 110. Corequisite(s): NRNT 125; PSYC 128. FALL | WINTER | SUMMER

NRSG 130 - Mental Health—4 hours

A course that 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, developmental, and spiritual health and implement quality and safe care. Three hours of theory and one hour clinical. Lab Fee: 12 (\$300). This course is cross-listed with NURS 320. A student may receive credit for this course from only one program. Prerequisite(s): NRSG 110. Corequisite(s): NRNT 125; PSYC 122or PSYC 128. FALL | WINTER | SUMMER

NRSG 203 - Nursing Enrichment—0-1 hour

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 a core AS NRSNG course. Lab Fee: 6 (\$90). This course is cross-listed with NURS 203. A student may receive credit for this course from only one program. Prerequisite(s): Enrollment in NRSNG classes and Director of Admissions and Progressions referral. WINTER

NRSNG 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). This course is cross-listed with NURS 370. A student may receive credit for this course from only one program. Prerequisite(s): NRSNG 126, NRSNG 130. FALL|WINTER

NRSNG 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). This course is cross-listed with NURS 360. A student may receive credit for this course from only one program. Prerequisite(s): NRSNG 126, NRSNG 130, and NRSNG 240. FALL | WINTER

NRSNG 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 NRSNG 110, NRSNG 126, NRSNG 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): NRSR 212, NRSR 226. FALL | WINTER

NRSR 240 - Introduction to Healthcare Informatics—1 hours

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. This course is cross-listed with NURS 215. A student may receive credit for this course from only one program. Prerequisite(s): CPT 100;NRSR 110. FALL | WINTER | SUMMER

NRSR 265 - 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. This course may be repeated for credit. FALL | WINTER | SUMMER

NRSR 291 - Preparation for Licensure—1 hours

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). This course is cross-listed with NURS 440. A student may receive credit for this course from only one program. FALL | WINTER | SUMMER

NRSR 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.

NRSR 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, safe, holistic 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). This course is cross-listed with NURS 410. A student may receive credit for this course from only one program. Prerequisite(s): NRSR 212, NRSR 226. FALL | WINTER

NRSR 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. This course is cross-listed with NURS 227 and NOND 308. A student may receive credit for this course from only one program. WINTER

NRSR 309 - Nursing Seminar—4 hours

A capstone course that integrates holistic, evidence-based nursing skills with principles of management. Practice takes place in acute care settings where the student manages groups of patients (72 clock hours). Included is a nursing content review course in preparation for NCLEX-RN. Lab Fee: 15 (\$400). Corequisite(s): NRSR 231, NRSR 305. FALL | WINTER

NRSR 311 - Complementary Interventions—1 hours

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). This course is cross-listed with NURS 257. A student may receive credit for this course from only one program. FALL|WINTER

NRSR 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: NRSR 212, NRSR 226. FALL | WINTER | SUMMER

NRSR 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 gaining the ability to critique 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

NRSG 318 - Massage and Hydrotherapy—1 hours

This elective course is an introduction to massage and hydrotherapy for all majors. Lab Fee: 5 (\$60). This course is cross-listed with NURS 237. A student may receive credit for this course from only one program. FALL | WINTER

NRSG 322 - Professional Development in Nursing (W)—3 hours

This course emphasizes nursing philosophies, theories, current concepts, 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 lifespan within a holistic framework. Two hours theory. Weekly lab arranged. Field trip may be required. Lab Fee: 10 (\$210). This course is cross-listed with NURS 225. A student may receive credit for this course from only one program. Prerequisite(s): NRSG 126, NRSG 130. FALL | WINTER

NRSG 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). This course is cross-listed with NURS 338. A student may receive credit for this course from only one program. FALL | WINTER | SUMMER

NRSG 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). This course is cross-listed with NURS 247, RELP 338 and SOCW 338. A student may receive credit for this course from only one program. FALL | WINTER

NRSG 344 - Introduction to Population/Community Health and Cultural Diversity in Nursing—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. This course is cross-listed with NURS 230. A student may receive credit for this course from only one program. Prerequisite(s): NRSG 231, NRSG 305, NRSG 309. FALL | WINTER | SUMMER

NRSG 350 - 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. This course is cross-listed with NURS 429. A student may receive credit for this course from only one program. Prerequisite(s): NRSG 231, NRSG 305, NRSG 309. FALL

NRSG 351 - Registered Nurse (RN) Licensure—0 hours

Current RN License in any state. Required for completion of BS Nursing Degree. FALL | WINTER | SUMMER

NRSG 365 - Topics in Nursing—1-4 hours

See NRSG 265 for course description. FALL | WINTER

NRSG 389 - 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). This course is cross-listed with NURS 345. A student may receive credit for this course from only one program. Prerequisite(s): CHEM 120 or CHEM 151; NRSG 126, NRSG 130. FALL | WINTER

NRSRG 405 - Sexual Abuse Awareness and Prevention—1-3 hours

See SOCW 405 for course description. This course is cross-listed with NURS 348, PSYC 405, and SOCW 405. A student may receive credit for this course from only one program. WINTER

NRSRG 412 - Preparing to Meet the Firms—1 hours

See BUAD 412 for course description. This course is cross-listed with BUAD 412, NURS 412, and SOCW 412. A student may receive credit for this course from only one program. FALL | WINTER

NRSRG 418 - 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). This course is cross-listed with NURS 439. A student may receive credit for this course from only one program. Prerequisite(s): NRSRG 231, NRSRG 305, NRSRG 309. FALL | WINTER

NRSRG 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 pathophysiologic processes to a broader range of diseases encountered in practice. Lab Fee: 7 (\$120). This course is cross-listed with NURS 355. A student may receive credit for this course from only one program. Prerequisite(s): NRSRG 126, NRSRG 130. FALL | WINTER | SUMMER

NRSRG 444 - Population/Community Health and Cultural Diversity in Nursing I (SERV-2)—2 hours

The student will apply NRSRG 344 theoretical concepts within a diverse population/community health setting. Examples of learning activities include: projects, community health and cultural assessments, etc. One hour theory and one hour clinical. Lab Fee: 8 (\$150). Pre- or Co-requisite: NRSRG 344. FALL | WINTER | SUMMER

NRSRG 445 - Population/Community Health and Cultural Diversity in Nursing II (SERV-2)—2 hours

This course is the culmination of NRSRG 344 and NRSRG 444 concepts within diverse population/community health settings. Independent experiential learning with faculty guidance is demonstrated. Experiential learning will include culminating individual and group learning activities in the community. A project with presentation is required. One hour theory and one hour clinical. Lab Fee: 8 (\$150). Prerequisite(s): NRSRG 344, NRSRG 444. FALL | WINTER | SUMMER

NRSRG 465 - Topics in Nursing—1-4 hours

See NRSRG 265 for course description. FALL | WINTER

NRSRG 467 - Health Evangelism (R-4) (SERV-2)—2-3 hours

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

NRSRG 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. This course is cross-listed with NURS 459. A student may receive credit for this course from only one program. Prerequisite(s): NRSRG 291, NRSRG 305, NRSRG 309. FALL | WINTER

NRSRG 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): NRSRG 291, NRSRG 305, NRSRG 309, RN License and Permission of Program Coordinator. FALL | WINTER | SUMMER

NRSRG 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). This course is cross-listed with NURS 450. A student may receive credit for this course from only one program. Prerequisite(s): NRSRG 231, NRSRG 305, NRSRG 309. FALL | WINTER

NRSRG 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): NRSRG 291, NRSRG 305, NRSRG 309. FALL | WINTER

NRSRG 494 - Transcultural Nursing (SERV-2)—3 hours

This course provides an opportunity for the student to examine the way in which values, beliefs, and cultural practices affect health and illness among individuals, families, groups, and communities. Lab Fee: 5 (\$60). Prerequisite(s): NRSRG 231, NRSRG 305, NRSRG 309.

NRS 495 - Directed Study—1-3 hours

See NRS 295 for course description. Prerequisite(s): Approval of the school dean.

NRS 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): NRS 231, NRS 305, NRS 309; ENGL 102. FALL | WINTER | SUMMER

NRS 090 - Registered Nurse Update—Non-credit

See NRS 090 for course description Lab Fee: RN Update fee will be assessed for this course. This course is cross-listed with NRS 090. A student may receive credit from this course from only one program.

NRS 103 - Associate Nurse Perspectives—1 hours

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 examination over basic skills common to all areas of nursing. FALL | WINTER

NRS 110 - Introduction to Nursing—1 hours

The course emphasis is on the health care system while focusing on the professional nursing role. Students will be introduced to nursing history, the nursing process, the health care delivery system and current trends in health care and nursing. Additional topics will include, but are not limited to, therapeutic communication, health and wellness, nursing SDA framework, spiritual and cultural concepts as related to health care. Required for nursing majors. Open to all majors. Lab Fee: 4 (\$30). Pre- or Co-requisite: NRS 210. FALL | WINTER

NRS 203 - Nursing Enrichment—0-1 hour

See NRS 203 for course description. Lab Fee: 4 (\$30). This course is cross-listed with NRS 203. A student may receive credit for this course from only one program. Prerequisite(s): Enrollment in NRS classes and Director of Admissions and Progressions referral. WINTER

NRS 210 - Fundamentals of Nursing—6 hours

A foundational nursing course that builds on the concepts of the Seventh-day Adventist Nursing Framework in which holistic care is provided to individual's physiological, psychological, sociocultural, and spiritual needs. CREATION health principles will be discussed with an emphasis on primary and secondary prevention interventions. Application of nursing knowledge, nursing process, and clinical skills/reasoning will be practiced in skills and simulation labs, and in direct patient care in acute care facilities. Four hours of theory, two hours clinical. Lab Fee: 15 (\$400). Prerequisite(s): Admission to the School of Nursing; BIOL 101, BIOL 102; CHEM 120 or CHEM 151. Pre- or Co-requisite: NRS 110. WINTER

NRS 215 - Introduction to Healthcare Informatics—1 hours

See NRS 240 for course description. This course is cross-listed with NRS 240. A student may receive credit for this course from only one program. Prerequisite(s): CPT 100; NRS 110. Corequisite(s): NRS 210. WINTER

NRS 225 - Health Assessment—3 hours

See NRS 328 for course description. Lab Fee: 10 (\$210). This course is cross-listed with NRS 328. A student may receive credit for this course from only one program. Prerequisite(s): NRS 110. Corequisite(s): NRS 210. WINTER

NRS 227 - Mission Trip (SERV-2)—0-1 hour

See NRS 308 for course description. Lab Fee: Variable. This course is cross-listed with NRS 308 and NOND 308. A student may receive credit for this course from only one program. WINTER

NRS 230 - Introduction to Populations and Community Health and Cultural Diversity in Nursing—2 hours

See NRS 344 for course description. Lab Fee: 7 (\$120). This course is cross-listed with NRS 344. A student may receive credit for this course from only one program. Corequisite(s): NRS 210. WINTER

NRS 237 - Massage and Hydrotherapy—1 hours

See NRS 318 for course description. Lab Fee: 5 (\$60). This course is cross-listed with NRS 318. A student may receive credit for this course from only one program. FALL | WINTER

NRS 247 - Missions and Health—2 hours

See NRS 338 for course description. Lab Fee: 5 (\$60). This course is cross-listed with NRS 338, RELP 338 and SOCW 338. A student may receive credit for this course from only one program. FALL | WINTER

NURS 257 - Complementary Interventions—1 hours

See NRSRG 311for course description. Lab Fee: 3 (\$20). This course is cross-listed with NRSRG 311. A student may receive credit for this course from only one program. FALL | WINTER

NURS 265 - 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. 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 310 - Adult Health I—4 hours

See NRSRG 126for course description. Lab Fee: 11 (\$240). This course is cross-listed with NRSRG 126. A student may receive credit for this course from only one program. Prerequisite(s): NURS 210. Corequisite(s): NURS 320, NURS 330. FALL

NURS 320 - Mental Health—3 hours

See NRSRG 130for course description. Lab Fee: 11 (\$240). This course is cross-listed with NRSRG 130. A student may receive credit for this course from only one program. Prerequisite(s): NURS 210. Corequisite(s): NURS 310, NURS 330. FALL

NURS 328 - Herbal Therapy—1-2 hours

See NRSRG 313for course description. Lab Fee: 5 (\$60). This course is cross-listed with NRSRG 313. A student may receive credit for this course from only one program. Pre- or Co-requisite: NURS 360and NURS 370or RN-BS. FALL | WINTER | SUMMER

NURS 330 - Populations and Community Health and Cultural Diversity in Nursing—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 SDA SON framework as care is delivered. The student will apply theoretical concepts with experiential learning within diverse populations and community settings. Experiential learning will include culminating individual and group learning activities in the community. A project with presentation is required. Lab Fee: 9 (\$180). Prerequisite(s): NURS 210. Corequisite(s): NURS 310, NURS 320. FALL

NURS 338 - Informatics in Nursing Practice—2 hours

See NRSRG 330for course description. Lab Fee: 5 (\$60). This course is cross-listed with NRSRG 330. A student may receive credit for this course from only one program. Prerequisite(s): NURS 215or RN-BS. FALL | WINTER | SUMMER

NURS 345 - Nursing Pharmacology—3 hours

See NRSRG 389for course description. Lab Fee: 5 (\$60). This course is cross-listed with NRSRG 389. A student may receive credit for this course from only one program. Prerequisite(s): CHEM 120or CHEM 151; NURS 210. Corequisite(s): NURS 310, NURS 320. FALL

NURS 348 - Sexual Abuse Awareness and Prevention—1-3 hours

See SOCW 405for course description. This course is cross-listed with NRSRG 405, PSYC 405and SOCW 405. A student may receive credit for this course from only one program. WINTER

NURS 355 - Pathophysiology—3 hours

See NRSRG 434for course description. Lab Fee: 7 (\$120). This course is cross-listed with NRSRG 434. A student may receive credit for this course from only one program. Prerequisite(s): CHEM 120or CHEM 151; NURS 210. Corequisite(s): NURS 310, NURS 320. FALL

NURS 360 - Adult Health II—4 hours

See NRSRG 226for course description. Lab Fee: 14 (\$350). This course is cross-listed with NRSRG 226. A student may receive credit for this course from only one program. Prerequisite(s): NURS 310, NURS 320. Corequisite(s): NURS 370. WINTER

NURS 365 - Topics in Nursing—1-4 hours

See NURS 265for course description. FALL | WINTER

NURS 370 - Childbearing Family—4 hours

See NRSRG 212for course description. Lab Fee: 11 (\$240). This course is cross-listed with NRSRG 212. A student may receive credit for this course from only one program. Prerequisite(s): NURS 310, NURS 320. Corequisite(s): NURS 360. WINTER

NURS 410 - Adult Health III—4 hours

See NRSRG 305 for course description. Lab Fee: 11 (\$240). This course is cross-listed with NRSRG 305. A student may receive credit for this course from only one program. Prerequisite(s): NURS 360, NURS 370. Corequisite(s): NURS 420. FALL

NURS 412 - Preparing to Meet the Firms—1 hours

See BUAD 412 for course description. This course is cross-listed with BUAD 412, NRSRG 412, and SOCW 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 210, NURS 310, NURS 320) 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: 11 (\$240). Prerequisite(s): NURS 360, NURS 370. Corequisite(s): NURS 410. FALL

NURS 429 - Critical Care of the Newborn—2-3 hours

See NRSRG 350 for course description. Lab Fee: 5 (\$60). This course is cross-listed with NRSRG 350. A student may receive credit for this course from only one program. Prerequisite(s): NURS 410, NURS 420, NURS 430. FALL | WINTER

NURS 430 - Nursing Seminar—5 hours

A capstone course that integrates holistic, evidence-based nursing skills with principles of management. Practice takes place in acute care settings where the student manages groups of patients (72 clock hours). Included, but not limited to, are topics for entry level RN's such as professionalism, legal/ethical issues, time management, resume writing and interview skills and a nursing content review course in preparation for NCLEX-RN. Lab Fee: 15 (\$400). Prerequisite(s): NURS 410, NURS 420. Corequisite(s): NURS 440, NURS 450. WINTER

NURS 439 - Concepts in Adult Critical Care—2 hours

See NRSRG 418 for course description. Lab Fee: 5 (\$60). This course is cross-listed with NRSRG 418. A student may receive credit for this course from only one program. Prerequisite(s): NURS 410, NURS 420, NURS 430. FALL | WINTER

NURS 440 - Preparation for Licensure—1 hours

See NRSRG 291 for course description. Lab Fee: 6 (\$90). This course is cross-listed with NRSRG 291. A student may receive credit for this course from only one program. Prerequisite(s): NURS 410, NURS 420. Corequisite(s): NURS 430, NURS 450. WINTER

NURS 445 - Professional Development in Nursing—2 hours

This course emphasizes nursing philosophies, theories, current concepts, 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 410, NURS 420. WINTER

NURS 450 - Nursing Leadership and Management (IN-9)—3 hours

See NRSRG 485 for course description. Lab Fee: 9 (\$180). This course is cross-listed with NRSRG 485. A student may receive credit for this course from only one program. Prerequisite(s): NURS 410, NURS 420. WINTER

NURS 459 - Professional Portfolio and Career Development—1-4 hours

See NRSRG 475 for course description. This course is cross-listed with NRSRG 475. A student may receive credit for this course from only one program. Prerequisite(s): NURS 410, NURS 430, NURS 440; RN-BS. FALL | 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): NURS 410, NURS 420. WINTER

NURS 481 - Nursing Leadership Practicum—2-3 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): NURS 410, NURS 430, NURS 440; RN License and Permission of Program Coordinator. FALL | WINTER | SUMMER

NURS 491 - Senior Nursing Practicum—2-3 hours

This elective practicum focuses on clinical practice in an area of student interest. Lab Fee: 5 (\$60). Pre- or Co-requisite: NURS 360, NURS 370. 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 Outdoor Leadership—3 hours

This is the first required course of the outdoor leadership major and minor. However, this course is open to all outdoor enthusiasts and provides an introduction to a wide variety of adventure activities including, but not limited to, challenge course, canoeing, rafting, rock climbing, caving, backpacking, kayaking, horseback riding, and mountain biking. Safety, group dynamics, teamwork, problem solving, leadership skills, back country ethics, nature observation and spiritual insights are emphasized throughout the course. The core experience for this class is a 24-day combination of multi-day expeditions and on campus instruction. Lab Fee: 18 (\$700). SUMMER

OUTL 218 - Fundamentals of Outdoor Leadership—3 hours

This course serves as a foundation for future outdoor educators, leaders, and professionals. It dives into the foundations of the leadership curriculum, expedition behavior and planning, risk management/hazard evaluation, and basic pedagogy of outdoor skills. The course will include a student-led expedition, will provide certification as a Leave No Trace Trainer, and can qualify students to lead adventure programming for the University. An off-campus field experience of up to four days may 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 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 (20) 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 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 (25) lead climbs of sport, trad or "mock" trad in nature 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 145with 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 hours

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 148and ADAC 248or 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 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 hours

The AMGA Single Pitch Instructor (SPI) Assessment is the second part of the AMGASPI 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 AMGASPI 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. Procedures and guidelines are available from the School of Education and Psychology. Prerequisite(s): OUTL 136. Five (5) hours of Outdoor Leadership. Admission to Outdoor Leadership. FALL | WINTER

OUTL 391 - Outdoor Leadership Seminar (W)—1 hours

This course is designed to develop research, writing, and presentations skills within the context of contemporary and controversial outdoor leadership issues. Many of the issues studied relate to new developments within the industry and provide opportunity to critically examine implications of these developments for emerging practice. Controversial issues are faced squarely by students as they research, debate, and collaborate. At the conclusion of the course students must have finalized arrangements for their outdoor leadership practicum or field experience. 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 capstone course develops the design, knowledge, techniques and implementation for teaching and leading wilderness travel experiences and technical adventure activities. Topics relative to the wilderness leader covered by this course include: environmental ethics and issues, individual and group dynamics, accessibility, safety and liability considerations, and permitting agencies. Physical and emotional requirements appropriate to wilderness field experiences and the administration of adventure activities are also addressed. Students will develop a professional portfolio documenting their leadership experiences, professional resum  , research project and certifications earned. An extended field trip 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 courses have optional pass/fail grades available excluding PEAC 125, PEAC 225, and PEAC 425.

PEAC 121 - Walking/Jogging (P-1b)—1 hours

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 for activities will be part of this course. A pedometer will be required. Prerequisite(s): PEAC 125. FALL | WINTER

PEAC 123 - Volleyball (P-1b)—1 hours

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 hours

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 hours

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 hours

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 hours

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 hours

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 hours

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 hours

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 hours

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 hours

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 hours

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 hours

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 hours

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 hours

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. Lab Fee: 1 (\$10). Prerequisite(s): PEAC 125. WINTER

PEAC 231 - Aerobics (P-1b)—1 hours

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 hours

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 hours

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 hours

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 hours

A “variety show” team which emphasizes acroport, 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 hours

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 hours

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 hours

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 hours

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 hours

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 hours

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 hours

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 hours

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 hours

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 hours

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 hours

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 hours

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 hours

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 hours

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 hours

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 254or 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 hours

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

For Physical Education majors or minors only. Gives the student the opportunity to pursue knowledge in an area of interest related to health, PE, or recreation. 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. The historical impact of leaders in physical education is studied, as well as statistical analysis of data. Prerequisite(s): BIOL 101- BIOL 102with 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 102with a grade of C- or better. WINTER

PETH 325 - Personal Trainer—2 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 325. A student may receive credit for this course from only one program. FALL | WINTER

PETH 354 - Lifeguard Instructor—1 hours

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 Physical Education and Recreation (W) (SERV-2)—3 hours

This course is an integrated study of the principles and administrative concepts of 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 hours

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. 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, PHTO 125or 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). Prerequisite(s): PHTO 125. 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 hours

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. 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 127 - Exploring Physics I (IN-7)—3 hours

An in-depth exploration of various fundamental topics in physics in an activity-based, directed-inquiry (lab/lecture) format. Topics may include motion, heat, and energy. Lab Fee: 5 (\$60). FALL

PHYS 128 - Exploring Physics II (IN-7)—3 hours

An in-depth exploration of various fundamental topics in physics in an activity-based directed-inquiry (lab/lecture) format. Topics may include fluids, light, sound, electricity, magnetism, and mathematical modeling. (PHYS 127 is not a prerequisite for PHYS 128.) Lab Fee: 5 (\$60). WINTER

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. 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): MATH 120 and MATH 121, or MATH 191; PHYS 211. WINTER | SUMMER, even years

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

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 hours

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 hours

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 hours

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 hours

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 hours

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 hours

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. WINTER, even 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 RELT 317, School of Religion. 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 325 - Advanced Physics Laboratory I—1 hours

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 hours

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 hours

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 - Classical and Statistical Thermodynamics—3 hours

A study of the laws of thermodynamics, kinetic theory of gases, and statistical mechanics (quantum and classical). Emphasis is placed on being able to use thermodynamics data in the literature. Three hours of lecture each week. Laboratory experience is available in PHYS 497. 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

The motion of a particle in gravitational and other classical fields is attacked using the techniques of differential equations in the Newtonian, Lagrangian and Hamiltonian forms. Special functions, vector theorems, transforms, and tensors are introduced as needed. Laboratory experience is available in PHYS 497. Prerequisite(s): PHYS 310; MATH 218, MATH 315(MATH 316, MATH 317, MATH 318desirable). WINTER, odd years

PHYS 414 - Electrodynamics I—3 hours

Analysis of electrical circuits, electrostatic and magnetostatic fields, and the motion of charges therein. Maxwell's equations and the consequent prediction of electro-magnetic waves. Applications to modern atomic and nuclear theory are stressed. Complex mapping, vector theorems, transforms, and special functions may be used. Laboratory experience is available in PHYS 326. Prerequisite(s): PHYS 310; MATH 218, MATH 315; (MATH 316, MATH 317, MATH 318desirable). WINTER, even years

PHYS 415 - Electrodynamics II—3 hours

Analysis of electrical circuits, electrostatic and magnetostatic fields, and the motion of charges therein. Maxwell's equations and the consequent prediction of electro-magnetic waves. Applications to modern atomic and nuclear theory are stressed. Complex mapping, vector theorems, transforms, and special functions may be used. Laboratory experience is available in PHYS 326. Prerequisite(s): PHYS 414; (MATH 316, MATH 317, MATH 318desirable). 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 318desirable) FALL, even years

PHYS 419 - Advanced Quantum Mechanics II—3 hours

Builds on the foundation developed in PHYS 418. Overarching review of quantum physics concepts and methods; complex problems integrating multiple concepts covered inPHYS 412andPHYS 418from textbooks and literature. Advanced topics might include group dynamics approach to particle classification, introduction to quantum field theory, or other topics as dictated by the interest of the professor and students. Prerequisite(s): PHYS 418; (MATH 316, MATH 317, MATH 318desirable). FALL, odd 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 hours

Practice in scientific meeting oral and poster-session presentation. It is expected that the written reports be done with a word processor and that the student will have done some original research of an experimental, computational, or theorem-proving nature before enrolling in this course. PHYS 295/PHYS 495and PHYS 297/PHYS 497exist to fulfill this requirement and there are numerous opportunities with pay at universities and national laboratories during the student's junior-senior summer. Prerequisite(s): COMM 135Principles and techniques of writing for news releases, periodicals, and research journals. WINTER

PHYS 495 - Directed Study—1-3 hours

See PHYS 295for 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 224 - Principles of Macroeconomics (IN-9)—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. FALL

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. FALL

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. FALL

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. FALL | WINTER

PLSC 291 - Political Science Practicum—0-6 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. FALL | WINTER | SUMMER

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 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. WINTER, odd years

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 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. WINTER, even years

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. WINTER, even years

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. WINTER, odd years

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 465 - Topics in Political Science—3 hours

See HIST 465 for course description. FALL | WINTER

PLSC 471 - History of Western Thought to 1500 (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 - History of Western Thought since 1500 (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 491 - Political Science Practicum—0-6 hours

See PLSC 291 for course description. Prerequisite(s): Permission of Instructor. FALL | WINTER | SUMMER

PLSC 495 - Directed Study (W)—1-3 hours

See PLSC 295 for course description.

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 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. 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 344 - 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 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. WINTER, odd 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 392 - Public Relations Internship—1-3 hours

Students work off-campus in a professionally supervised role in the field of advertising or public relations 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 public relations or advertising and School approval. 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 492 - Public Relations Internship—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. 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 hours

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 221for 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 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 | WINTER

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

PSYCH 226 - Psychology of Religion—3 hours

An examination of the psychological processes involved in religious experiences from personal, developmental, social, and emotional perspectives. FALL

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 230for course description. Lab Fee: 1 (\$10). This course is cross-listed with SOCI 230and 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 233and SOCW 233. A student may receive credit for this course from only one program. FALL | 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 250for 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 | WINTER

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 122or 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): PSYC 122or PSYC 128; Completion of ENGL 102with a minimum grade of C. 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 122or PSYC 128; Admission to Psychology or permission of instructor. WINTER

PSYC 326 - Physiological Psychology—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; Admission to Psychology 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; Admission to Psychology or permission of instructor. WINTER

PSYC 349 - Aging and Society (W)—3 hours

The course emphasizes the reciprocal impact of societal attitudes on the process of aging and the increasing influence of "mature citizens" in contemporary society. Historical, demographic, and future trends are explored. A balance between the theoretical and the applied is sought. This course is cross-listed with SOCI 349and 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. Prerequisite(s): PSYC 122and PSYC 297or MATH 215or BUAD 221; Admission to Psychology 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): Admission to Psychology or permission of instructor. Recommended: PSYC 315or 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, PSYC 297; Admission to Psychology or permission of instructor. FALL, odd years

PSYC 387 - Comparative Psychology—3 hours

See BIOL 387for course description. This course is cross-listed with BIOL 387. A student may receive credit for this course from only one program.

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; Admission to Psychology 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, NRSNG 405, 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 or PSYC 128; Admission to Psychology 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. Prerequisite(s): Admission to Psychology or permission of instructor. 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. Prerequisite(s): PSYC 377; Admission to Psychology or permission of instructor. 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; Admission to Psychology 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. Prerequisite(s): PSYC 377; Admission to Psychology or permission of instructor. FALL, even years

PSYC 490 - Psychology Seminar—1 hours

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. Prerequisite(s): Completion of ENGL 102 with a minimum grade of C. Psychology major or minor with junior or senior standing. Admission to Psychology 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, Admission to Psychology and approval of the instructor. FALL | WINTER | SUMMER

PSYC 495 - Directed Study—1-3 hours

See PSYC 295 for course description. Prerequisite(s): Admission to Psychology or 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): PSYC 122, PSYC 297 or MATH 215, either with a minimum grade of C-. Completion of ENGL 102 with a minimum grade of C. Admission to Psychology or permission of instructor. WINTER

Physical Therapy Assistant**PTAS 110 - Physical Therapy Perspectives—2 hours**

Covers the history and organization of the field of physical therapy, overview of practice settings, behavior and conduct expectations of the PTA, the role of the PTA in the clinical setting and stress management. WINTER

PTAS 112 - Kinesiology with Lab—4 hours

This course examines the relationship between the muscular and skeletal systems that provide motion through the biomechanical leverage system including open and closed chain systems. WINTER

PTAS 115 - Fundamentals of PT Practice with Lab—4 hours

This course covers the fundamental activities of the PTA in the clinical setting. The course includes topics such as body mechanics, standard and universal precautions, OSHA, positioning/draping, vital sign assessment, wheelchair management and prescription, transfers, therapeutic massage, and ambulation with assistive devices. WINTER

PTAS 205 - Therapeutic Modalities with Lab—4 hours

This course covers the meaning and application of therapeutic modalities used in the field of PT as well as covers common pain mechanisms in the body. Modalities covered include infrared modalities, ultraviolet, deep heating modalities, intermittent compression, traction, electrical current, iontophoresis, Phonophoresis, biofeedback, LASER, and hydrotherapy. WINTER

PTAS 207 - Observation and Measurement with Lab—3 hours

This course introduces the PTA student to the role of assessment within the realm of PT practice. Assessment techniques will be taught in the following areas: vital signs, nerve root testing, skin integrity, sensation, tone, posture, ROM, MMT, segmental volume, balance and coordination, functional activities, and architectural barriers. SUMMER

PTAS 210 - Orthopedic Rehabilitation with Lab—4 hours

This course will instruct the PTA student in the role of PT in the orthopedic setting. Instruction will be given in exercise creation and design, active strengthening vs. assisted strengthening, stretching techniques, various common rehabilitation protocols, closed vs. open chain activities, and home exercise prescription. SUMMER

PTAS 212 - Clinical Pathology—2 hours

This course educates the PTA student in the role that disease and various pathologies play within the realm of human development and performance. WINTER

PTAS 215 - Neuromuscular Rehabilitation with Lab—4 hours

This course examines the role of the PTA in treating various neuromuscular system disorders. Normal movement will be examined first followed by treatment techniques to address coordination deficits, righting/equilibrium reaction deficits, balance techniques, inappropriate reflexes, abnormal tone, ataxia, spinal cord injury, and traumatic brain injury. PNF, Rood, Bobath, Brunnstrom and other neurodevelopmental techniques will be covered. SUMMER

PTAS 218 - Rehabilitation with Lab—3 hours

This course covers a variety of issues affecting the role of the PTA in working with special populations. Instruction will be given in the following treatment areas: pediatrics, geriatrics, amputees, prosthetics and orthotics, cardiopulmonary rehab, burn rehabilitation, women's health issues, chest physical therapy, and wound care. A presentation will also be given covering an evidence-based practice research project. FALL

PTAS 225 - Capstone Seminar—1 hours

Includes preparation for licensing examination, specialized lectures, and preparation of a student project. This course is designed to provide a summary of all coursework and clinical education experiences

to date. Student preparation for transition into the workforce as an entry-level PTA will be conducted in a seminar format. Seminar topics are structured to prepare the student to enter the practice of physical therapy, e.g., resume preparation, interview skills, performance evaluations, administrative responsibilities associated with employment, licensure examination preparation, etc. Selected clinic topics that are new in the practice environment are also included. FALL

PTAS 235 - Clinical Affiliation I—4 hours

Provides supervised instruction in the delivery of physical therapy in one of various clinical settings. Emphasizes the practice of all therapeutic skills learned in the first year, including direct patient care skills and all forms of communication. Clinical Affiliation I is the first of three comprehensive clinical education experiences in the physical therapy setting. 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. Practice settings may include acute care hospitals, private practice, skilled nursing centers, and out-patient rehabilitation centers. Knowledge, skills and attitudes learned during the didactic courses will be applied to direct patient/client care. This course integrates the practice of all first-year PTA course work with the objective of students providing quality for uncomplicated patients with a high degree of supervision and guidance. SUMMER

PTAS 245 - Clinical Affiliation II—6 hours

This course provides instruction within various healthcare facilities in the actual administration of physical therapy treatments under the supervision of licensed physical therapists. This course provides experience in a variety of clinical settings. Clinical Affiliation II is the second of three comprehensive clinical experiences in the physical therapy setting. The purpose of this intermediate 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. The objective of this clinical education experience is for students to provide quality care for uncomplicated to complex patients with a degree of supervision and guidance that will vary with the complexity of the patient or the environment. FALL

PTAS 255 - Clinical Affiliation III—6 hours

This course provides instruction within various healthcare facilities in the actual administration of physical therapy treatments under the supervision of licensed physical therapists. It provides experience in a variety of clinical settings. Clinical Affiliation III is the third of three comprehensive clinical experiences in the physical therapy setting. The purpose of this final 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 is to integrate previously learned and practiced PTA skills, special topics, clinical management, and healthcare issues into the delivery of a comprehensive physical therapy treatment program. Practice settings may include acute care hospitals, private practice, sports centers, developmental centers, skilled nursing centers, geriatrics, pediatrics, inpatient and outpatient rehabilitation centers and VA hospitals. The overall objectives of this clinical education experience are the development of clinical reasoning skills and the provision of high quality care for non-complicated to complex patients under the supervision of a PT or PTA. The degree of supervision and guidance will vary with the complexity of the patient or the environments from none to minimal. 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 hours

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 325 - Personal Trainer—2 hours

See PETH 325 for course description. Lab Fee: 11 (\$240). This course is cross-listed with PETH 325. 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 introduction 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 through 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 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; 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, 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), for the IDAK career evaluation. 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 hours

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 | WINTER

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 diversity 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. 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. FALL | 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, 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 NRSRG 338for course description. Lab Fee: 5 (\$60). This course is cross-listed with NURS 247, NRSRG 338, 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 240for course description. WINTER

RELP 354 - Introduction to Biblical Counseling—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). FALL | WINTER

RELP 361 - Personal Evangelism I (R-4) (SERV-2)—2 hours

The course covers the principles and practice of one-to-one evangelism, focusing on leading people to Christ, giving effective Bible studies, friendship evangelism, ministering to young people, and working in local church outreach endeavors. Students must take this course immediately preceding RELP 362. FALL

RELP 362 - Personal Evangelism II (SERV-2)—2 hours

This course builds on the practical ministry skills introduced in Personal Evangelism I. In addition, urban evangelism, small groups outreach, and answering Bible objections will be covered. Students whose major or minor requires RELP 466, must take the course immediately before Public Evangelism. Prerequisite(s): RELP 361. WINTER

RELP 391 - Practicum (SERV-2)—1-3 hours

See RELP 291for 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 hours

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 466in the following summer. Prerequisite(s): COMM 135and 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 hours

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, RELP 362, 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, RELP 362, 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—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 362, 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 NRS 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 hours

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/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. One of the "Issues" courses can apply to General Education natural science requirement for majors, and to Religion for non-majors. This course is cross-listed with PHYS 317, Physics Department. 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 bio-ethics, 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. One of the "Issues" courses can apply to General Education natural science requirement for majors, and to Religion for non-majors. 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

An objective approach to the analysis and understanding of the social world. Consideration is given to the dynamic nature of American society and social institutions. Explores topics such as social change, culture, social structure, and the sociological imagination. FALL | WINTER | 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. FALL | 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 | WINTER

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 125or 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

SeePSYC 349for course description. This course is cross-listed with PSYC 349and SOCW 349. A student may receive credit for this course from only one program. FALL | WINTER | SUMMER

SOCI 356 - Natives and Strangers (W)—3 hours

See HIST 356for course description. This course is cross-listed with HIST 356. A student may receive credit for this course from only one program. WINTER, odd years

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 250for course description. Lab Fee: 1 (\$10). This course is cross-listed with SOCI 250, SOCW 250, SOCW 450, andPSYC 250. A student may receive credit for this course from only one program. FALL | WINTER

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 294for 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 295for course description. Prerequisite(s): SOCI 125or permission of the instructor.

SOCI 496 - U.S. Study Tour—1-3 hours

See SOCI 296for 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 150for 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. 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 | WINTER

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. FALL | 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 | WINTER

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 310 - Social Work Practice with individuals and Families—4 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 and families, primarily the micro dimension of social work practice, is emphasized in this first semester of a two-semester practice sequence. Social Work practice courses can only be taken by non-social work majors if ALL prerequisites have been completed. Prerequisite(s): Admission to the BSW Program; BIOL 103; SOCW 211, SOCW 212, SOCW 213. FALL

SOCW 311 - Human Behavior and the Social Environment I (W)—3 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 310. FALL

SOCW 312 - Human Behavior and the Social Environment II (W)—3 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 311. WINTER

SOCW 319 - Social Work Practice with Groups, Organizations and Communities—4 hours

This course spans the mezzo and macro dimensions of social work practice. Building on skills introduced in Practice I, students will engage in practice with small groups, organizations, and communities. Lab Fee: 2 (\$15). Prerequisite(s): SOCW 310. WINTER

SOCW 338 - Missions and Health—2 hours

See NRSRG 338for course description. Lab Fee: 5 (\$60). This course is cross-listed with NURS 247, NRSRG 338, 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

SeePSYC 349for course description. This course is cross-listed with SOCI 349and PSYC 349. A student may receive credit for this course from only one program. FALL | WINTER | SUMMER

SOCW 365 - Family Relations—3 hours

SeeSOCI 365for 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 319. 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, NRSRG 405, and PSYC 405. A student may receive credit for this course from only one program. WINTER

SOCW 412 - Preparing to Meet the Firms—1 hours

See BUAD 412for course description. This course is cross-listed with BUAD 412, NRSRG 412, and NURS 412. A student may receive credit for this course from only one program. FALL|WINTER

SOCW 421 - Senior Portfolio Seminar—1 hours

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). 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 319;. Corequisite(s): SOCW 497. 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): MATH 215; SOCW 428, SOCW 497. 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 312; ECON 213, ECON 224, or PLSC 224. FALL

SOCW 441 - Integrative Seminar I—1 hours

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 319. Corequisite(s): SOCW 428, SOCW 497. FALL

SOCW 442 - Integrative Seminar II—1 hours

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, SOCW 497. Corequisite(s): SOCW 429. WINTER

SOCW 450 - Death and Dying—3 hours

See SOCI 250for course description. Lab Fee: 1 (\$10). This course is cross-listed with SOCI 250, SOCI 450, SOCW 250, andPSYC 250. A student may receive credit for this course from only one program. FALL | 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 494for 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 295for course description. Prerequisite(s): SOCW 212.

SOCW 496 - U.S. Study Tour—1-3 hours

SeeSOCI 296for course description. Lab Fee: 22 (\$1,100). This course is cross-listed with SOCI 296, SOCI 496and SOCW 296. A student may receive credit for this course from only one program. FALL

SOCW 497 - Research Methods (W)—3 hours

This course examines 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 relevant data analysis techniques. Ethical considerations for doing research with human subjects and vulnerable populations are explored. Prerequisite(s): MATH 215; ECON 224or PLSC 224. FALL

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 101or 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). WINTER

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 102or 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, ELIT 216 and MDLG 230 for Spanish/Spanish Teaching majors or approval of the department. WINTER

SPAN 360 - Spanish Through Genre Analysis (W)—3 hours

This course is a historical study of some major literary works from Spain and Spanish America as presented in short story, novel, drama, poetry, and essay. Special emphasis given to political impact, social context, and individual characteristics of chosen literary works. This course will be conducted entirely in Spanish and will focus on active speaking, reading, text analysis, and writing. Prerequisite(s): ELIT 216, SPAN 243, and MDLG 230 for Spanish/Spanish Teaching majors or approval of the department.

SPAN 465 - Topics in Spanish—1-3 hours

See SPAN 265 for course description. FALL | WINTER

SPAN 490 - Comprehensive Examination Preparation—1 hours

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 hours

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 hours

A study of woodworking shop safety, hand and machine tools, joinery, 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 hours

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 132 - 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 133 - Plumbing-Residential—1 hours

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 hours

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 136 - HVAC and Insulation—2 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, jointery, 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: 8 (\$150). 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 173 - Carpentry-Residential—2 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. 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. 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 181 - Real-Estate Development—3 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 238or JOUR 208or 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 149or 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 255 - 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 262 - Construction Contract Administration—2 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 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 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 276or 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 151or equivalent.

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 151or 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 254for course description. Lab Fee: 4 (\$30). Prerequisite(s): TECH 154. FALL | WINTER

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 175for course description 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 hours**

This course equips the student with skills necessary to prepare a variety of vegetarian and vegan main dishes and entrees. Lacto-ovo and vegan dishes will be explored along with the health benefits of individual ingredients. Lab Fee: 9 (\$180). WINTER

VGCA 105 - Professional Cooking: Baking and Pastry I—1 hours

This course covers basic theory and skill sets used throughout the fields of baking and pastry preparation. Use of kitchen tools and techniques specific to baking and pastry are taught. Students will learn the importance of exact ratios and the function of each ingredient in turning out perfect baked products. Methods such as creaming, blending, foaming, meringues, and straight doughs are covered. Lab Fee: 9 (\$180). FALL

VGCA 109 - Professional Cooking: Soups, Sandwiches and Salads I—1 hours

This course covers a range of cold prep foods including the healthful preparation of vegetarian and vegan soups, sandwiches, salads, and salad dressings. Lab Fee: 9 (\$180). WINTER

VGCA 113 - Professional Cooking: Desserts I—1 hours

This course teaches the culinary skills necessary to prepare vegetarian and vegan desserts including custards, creams, sauces, fruit salad, fruit pies/cakes, cookies, chocolate-based desserts, and others. Lab Fee: 10 (\$210). WINTER

VGCA 117 - Professional Cooking: Vegetables, Grains and Side Dishes I—1 hours

This course covers health preparation of vegetables and grains and the preparation of appropriate side dishes for the menu. Lab Fee: 9 (\$180). FALL

VGCA 121 - Professional Cooking: Fresh and Raw I—1 hours

This course covers techniques for preparing entrees, side dishes, and desserts using primarily fresh and raw ingredients. Lab Fee: 8 (\$150). FALL

VGCA 125 - International Ethnic Cuisines: The Americas I—1 hours

This course explores regional cuisines of the Americas. Lab Fee: 9 (\$180). FALL

VGCA 140 - Professional Cooking: Beverages I (Elective)—1 hours

This course covers the healthful preparation of a wide array of beverages including health and sport beverages, smoothies, tea and tea service, and juices. Lab Fee: 8 (\$150). WINTER, odd years

VGCA 142 - Professional Cooking: Fish and Poultry (Elective)—1 hours

This course will teach the culinary skills necessary to prepare basic clean meat entrees using fish and poultry. In SDA health care, long-term care, and camp environments, preparation and service of clean

meats is present. Preparation of clean meats relative to safety, handling, cooking, and serving is important for employment in these environments and others. Lab Fee: 9 (\$180). WINTER, even years

VGCA 144 - Professional Cooking: Beef (Elective)—1 hours

This course teaches the culinary skills necessary to prepare meat entrees using beef. In SDA health care, long-term care, and camp environments, preparation and service of clean meats is present. Preparation of clean meats relative to safety, handling, cooking, and serving is important for employment in these environments and others. Lab Fee: 9 (\$180). FALL, odd years

VGCA 146 - Professional Cooking: Appetizers I (Elective)—1 hours

This course covers the healthful preparation and artful presentation of appetizers. Lab Fee: 9 (\$180). FALL, even years

VGCA 151 - Food Safety and Sanitation—2 hours

This course covers essential techniques for preserving the nutritional value of food without compromising the absolute requirement for providing safe and wholesome food. Techniques for sanitizing the workplace and preventing foodborne illness are covered. ServSafe certification is part of this course. Lab Fee: 6 (\$90). FALL

VGCA 161 - Introduction to Culinary Arts and Skills—2 hours

This course covers the evolution of classical and modern culinary skills. This course covers basic food preparation techniques for cooking eggs and preparing and serving dairy products. Basic knife skills, cooking techniques, garnishing, and sauce and stock preparation are covered. Lab Fee: 13 (\$325). FALL

VGCA 171 - Introduction to Food Purchasing, Preparation and Presentation—3 hours

This course covers menu development, food identity standards, product quality, as purchased/edible portion calculations, having the necessary ingredients in the appropriate state, and various forms of food presentation. Scaling production for small to large operations, food/menu costing, purchasing, and scheduling are covered. Lab Fee: 7 (\$120). WINTER

VGCA 175 - Introduction to Culinary Supervision and Management—2 hours

This course covers various aspects of supervision, personnel management, employment laws, and payroll. WINTER

VGCA 181 - Introduction to Marketing for Culinary Professionals—1 hours

This course covers basic marketing strategies essential for understanding how to be successful as a culinary professional. The requirement for a professional portfolio as part of a personal marketing plan is introduced. FALL

VGCA 190 - Health Benefits of Vegetarian Diets—1 hours

This course covers historical aspects of vegetarian diets including vegan, raw and whole foods dietary patterns. Health benefits and potential pitfalls are discussed. Current research is explored with relevance to preparing healthful Vegetarian menus. FALL

VGCA 202 - Professional Cooking: Main Dishes and Entrees II—1 hours

This course teaches the culinary skills necessary to prepare meat analogs and more complex entree recipes with emphasis on portioning and advanced cooking methods. Lab Fee: 9 (\$180). FALL

VGCA 206 - Professional Cooking: Baking and Pastry II—1 hours

This course covers the culinary skills necessary to prepare different yeast and non-yeast, bakery products such as breads, laminated doughs, cakes, biscotti, etc. Lab Fee: 9 (\$180). FALL

VGCA 214 - Professional Cooking: Desserts II—1 hours

This course teaches the culinary skills necessary to prepare advanced vegetarian and vegan desserts. Lab Fee: 10 (\$210). WINTER

VGCA 218 - Professional Cooking: Vegetables, Grains and Side Dishes II—1 hours

This course covers healthful preparation of vegetables and grains using advanced kitchen preparation skills and traditional as well as unique recipes and ingredients. Vegan recipes will be emphasized. Lab Fee: 9 (\$180). WINTER

VGCA 226 - International and Ethnic Cuisines: Europe and Asia I—1 hours

This course explores various regional cuisines of Europe and Asia. Lab Fee: 9 (\$180). WINTER

VGCA 230 - Nutritional Cooking I—1 hours

This course teaches the culinary skills necessary to prepare a wide variety of vegetarian and vegan main dishes and entrees. Lacto-ovo, vegan and raw dishes are explored along with the health benefits of individual ingredients. Lab Fee: 8 (\$150). 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 292 - Vegetarian Culinary Arts Internship—4 hours

This course provides the student with 400 clock hours of culinary experience at a restaurant, catering company, hospital food service, camp, or other food service operation. This gives the student the opportunity to put into practice skills they have learned in class. Internship placement assistance will be provided by Southern. Weekly meeting and/or tele-conference with a University professor is required. 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

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University Administration

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Doru Mihaescu, M.B.A. (1997), Associate Director, Digital Networking

Herdy Moniyung, M.S. (1999), Associate Director, Info Processing

Mike McClung, B.A. (1996), Assistant Director, Workstation Support

Judy DeLay, B.A., C.P.A. (1982), Senior Programmer/Analyst

Randi Buhl, A.A. (2001), Network Administrator

Mario Ezra, (2015), Database Administrator

Luke Dunzweiler, B.S. (2016), Network Analyst

Paul Irwin, B.S. (2011), Programmer/Analyst

Ron Miller, B.S. (1995), Systems Administrator

Josh Rhodes, M.B.A. (2006), Network Administrator

Institutional Research and Planning

Hollis James, Ph.D. (2003), 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
 Volker Henning, Ph.D. (1989), Associate Vice President, Academic Administration

Center of Teaching Excellence and the Integration of Faith and Learning

Cynthia Gettys, Ph.D. (2013), Director
 Elaine Plemons, M.A. (2007), Associate Director

Graduate Studies

Carleton Swafford, Ph.D. (1992), Dean, Graduate Studies
 Laurie Gauthier, M.B.A. (2008), Director, Graduate Marketing and Enrollment
 Melodie Lopez, M.B.A. (2006), Director, Graduate Admissions
 Ben Thompson, M.B.A. (2016), System Specialist

Library

Deyse Bravo, M.L.S. (2011), Director, Library
 Kathryn McGrath, M.Ed. (2008), Associate Director/Public Services Librarian
 Stanley Cottrell II, M.L.S. (2004), Technical Services Librarian
 Pamela Jansen, J.D. (2015), Evening Reference Librarian/Periodicals
 Donald Martin, M.S.L.S. (2014), Digital Resources Librarian
 Jessica Spears, M.Ed. (2013), Research Services Librarian

Online Campus

Pegi Flynt, Ed.D. (2007), Director, Academic Technology and Online Learning
 Tammy Overstreet, Ph.D. (2015), Assoc. Dir., Academic Tech. and Online Learning
 Ryan Harrell, M.A. (2012), Media and Creative Specialist
 Lisa Hess, B.S. (2010), GLCD Online Program Manager
 Greg Merchant, B.S. (2012) Teaching Technology Manager

Records and Advisement

Joni Zier, M.S.Ed. (1993), Director, Records and Advisement
 Sharon Rogers, M.Ed. (1977), Assistant Director, Records and Advisement
 Sandy Tucker, B.S. (1997), Assistant Director, Records and Advisement
 Michelle Younkin, M.B.A. (2016), Assistant Director, Records and Advisement
 _____, Data Analyst

Advancement

Carolyn Hamilton, B.A. (2016), Vice President, Advancement
 Lucas Patterson, B.A.(2011), Assist. Dir., Communications and Foundation Relations

Alumni Relations

Evonne Crook, B.A. (1980), Director, Alumni Relations

Development

Geovanny Ragsdale, M.I.B. (2009), Associate Vice President, Development
 Robert Bovell, B.A. (1993), Major Gift Officer
 Ashley Fox, B.S. (2015), Annual Fund Coordinator
 Kenneth Turpen, B.S. (2009), Major Gift Officer

Planned Giving

Carolyn Liers (1996), 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 Froad, 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

Jennifer Enevoldson, B.S. (2005), 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

Janelle Hullquist, B.S. (2016), Manager, Editorial

Isaac James, B.S. (2008), Manager, eCommunications

Ryan Pierce, A.A. (2009), Manager, Graphic Design

Tina Smith, B.A. (2011), Manager, Project and Planning

Jason Bryner, B.A. (2010), Assistant, Web Development

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

Teddy Kyraikidis, M.S. (2016), Director, Food Services

Eric Schoonard, A.S. (2002), Director, Plant Services

Dennis Schreiner (1997), Director, Service

Candace Wing, B.S. (2007), Director, University Health Center

Dennis Clifford, B.S.EE (2016), Associate Director, Plant Services

Bill Cruttenden (2011), Associate Director, Plant Services

Fred Turner, B.ARCH. (1996), Corporate Architect

University Health Center

Michelle Mix, M.S. (2017) Mid-Level Practitioner

Enrollment Management

Marc Grundy, M.B.A. (1997), Vice President, Enrollment Management

Ryan Herman, B.S. (2003), System Specialist

Leslie Ann Schwarzer, B.S. (2005), Scholarships and Lights Volunteers Coordinator

Admissions

Rick Anderson, B.A. (2011), Associate Director, Admissions and Recruitment

Kent Robertson, B.S. (1999), Assistant Director, Admissions and Recruitment
 Andrew Ashley, B.S. (2017), Admissions Counselor
 Zach McDonald, B.F.A. (2016), Admissions Counselor/Ministry Director
 Maggie Mendoza, B.S. (2014), Transfer Admissions Counselor
 Shana Michalek, B.S. (2016), Admissions Counselor
 Stephen Smith (2016), Admissions Counselor
 Fred McClanahan, B.A./B.S. (2004), Prospective Student Finance Counselor

Assist Program

Kimberly Miller, M.Acc. (2007), Director
 Mariana Kaplan, B.S. (2016), Program Manager

Student Finance

Glenn Carter, M.S. (2016), Associate Vice President, Student Finance
 Paula Walters, B.S. (2005), Director, Student Finance
 Lillian Loza, B.A. (2006), Associate Director, Student Finance
 Jana Dietsche, B.B.A. (2001), Assistant Director, Student Finance
 Faith Anderson, A.S. (2015), Student Finance Counselor
 Ginger Cheney, B.S. (2004), Student Finance Counselor
 Xenia Figueroa, B.B.A. (2015), Student Finance Counselor
 Michael Rumsey, B.S. (2013), Student Finance Counselor
 Rebekah Spears, B.S. (2014), Student Finance Counselor

Student Development Administration

Dennis Negron, M.A. (1993), Vice President, Student Development
 Kari Shultz, M.A. (1999), Director, Student Life

Campus Chaplain

Brennon Kirstein, M.Div. (2007), Chaplain
 Anna Romuald, B.A. (2014), Associate Chaplain

Residence Halls

Dwight Magers, M.A. (1993), Director of Residence Halls Housing and Dean of Men
 Lisa Hall, B.A. (2004), Dean of Women
 Jeffrey Erhard, M.A.T. (1997), Associate Dean of Men
 Carl Patterson, M.A. (2004), Associate Dean of Men
 John Sager, B.A. (2001), Associate Dean of Men
 Kevin Pride, B.A. (2007), Assistant Dean of Men
 Chamra Anthony, M.A. (2007), Associate Dean of Women
 Tisha Looby, B.A. (2011), Associate Dean of Women
 Susan Pennington, B.S. (2012), Associate Dean of Women
 J.P. Mathis, B.S. (2008), Assistant Dean of Women

Student Success Center

Jim Wampler, Psy.D. (1993), Director, Student Success Center/Testing Services
 Cheri Durst, M.S. (2013), Retention Coordinator/First-Year Adviser
 Leslie Kay, M.S. (2016), Counselor
 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
 Tim Cross, M.Div. (2002), Pastor of Family Ministries
 William Hurtado, B.A. (2012), Youth Pastor

Wolf Jedamski, M.A. (1992), Church Administrator/Pastor of Missions
Jim Moon, M.Div. (2015), Pastor of Worship
Cherie Smith, B.S. (2011), Pastoral Director of Spiritual Development
Carole Verrill (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
Loranne 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
Henry Kuhlman, Ph.D., Professor of 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
Robert Merchant, M.B.A., Treasurer Emeritus
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
Shirley Spears, M.S., Associate Professor Emerita of Nursing
Mitchell Thiel, Ph.D., Professor Emeritus of Chemistry
Thelma Wearner, M.A., Associate Professor Emerita of Home Economics
Erma Webb, M.S., Associate Professor Emerita of Nursing
Jon Wentworth, M.Tx., Professor of Emeritus of Business
Bill Wohlers, Ph.D., Vice President Emeritus of Student Development

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)

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)

W. Scott Ball-Ph.D., Professor of Music

B.Mus, Arizona State University; M.A. and M.Div., Andrews University; Ph.D., The Ohio State University. (2000)

Loren Barnhurst-Ph.D., Professor of Chemistry

B.S., Andrews University; Ph.D., University of Denver. (2002)

Stephen Bauer-Ph.D., Professor of Religion

B.A., Atlantic Union College; M.Div. and Ph.D., Andrews University. (1999)

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)

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)

Deyse Bravo-M.L.S., Director and Assistant Professor of Library Science

B.A., University of California, Berkeley; M.L.S., Queens College. (2011)

Doug Brown-M.Div., Associate Professor of Physical Education, Health and Wellness

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B.S., Southern Adventist University; M.S. and Ph.D., University of Central Florida. (1999)

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B.A., Andrews University; M.Mus., Indiana University; D.M.A., University of Arizona. (2005)

Jill Buchholz-M.S.N., Associate Professor of Nursing

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B.Ed., Union College; M.Ed., Azusa Pacific University; Ph.D., Texas Woman's University. (2013)

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Rachel Byrd-Ph.D., Professor of English

B.A., Pacific Union College; M.A., Shippensburg University; Ph.D., University of Maryland. (1998)

Ken Caviness-Ph.D., Professor of Physics and Engineering

B.S., Southern Adventist University; Ph.D., University of Massachusetts at Lowell. (1996)

Ronda Christman-Ph.D., Associate 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., Interim 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., Associate 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)

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B.A., University of Missouri, Kansas City; M.S.Ed., Southern Adventist University; M.F.A., Savannah College of Arts and Design. (2000)

Michael Dant-M.S., Associate Professor of Computing

B.S. and M.S., Andrews University. (2009)

Liane de Souza-Ph.D., Associate Professor of Counseling

B.S. and B.A., Federal University of Rio De Janeiro; B.S., Augusto Motta University; M.S., Southern Adventist University; Ph.D., Walden University. (2003)

Judith Dedeker-M.S.N., Associate Professor of Nursing

B.S. and M.S.N., Southern Adventist University. (2006)

Lisa Clark Diller-Ph.D., Professor of History and Political Studies

B.A., Southern Adventist Univ.; M.A. and Ph.D., University of Chicago. (2002)

Michelle Doucoumes, M.B.A., Assistant Professor of Business

B.B.A. and M.B.A., Southern Adventist University. (2017)

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)

Pegi Flynt-Ed.D., Director of Technology and Online Learning and Associate Professor of Academic Technology

B.A., Washington Adventist University; M.A.T. Andrews University; Ed.D., Nova Southeastern University. (2007)

L. Ann Foster-Ph.D., Professor of Biology

B.S., Southern Adventist Univ.; M.S. and Ph.D., University of North Texas. (1996)

Ileanna Freeman-Ph.D., Professor of Counseling and Psychology

B.A. and M.A., Andrews University; Ph.D., Ball State University. (2005)

Alfredo Fuentes-Ed.D., Professor of Education

B.A., Adventist Antillian University; M.A.Ed. and Ed.D., University of Hartford

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)

H. Robert Gadd-Ph.D., C.P.A., Professor of Business, Wayne Vandevere Endowed Chair in Accounting

B.S., Southern Adventist University; M.B.A., University of Maryland at College Park; Ph.D., University of Texas at Arlington. (2000)

Holly Gadd-Ph.D., 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

R.N. and B.S., Walla Walla University; M.S.N., Loma Linda University. (2006)

David George-M.F.A., Associate Professor of Visual Art and Design

B.A., Southern Adventist University; M.F.A., Savannah College of Art and Design. (1999)

Cynthia Gettys-Ph.D., Director of The Center for Teaching Excellence and Biblical Foundations of Faith and Learning

B.A., Andrews University; M.A., Western Carolina University; Ph.D., University of Tennessee, Knoxville. (2013)

Judith Glass-M.Mus., Professor of Music

B.Mus. and M.Mus., University of Texas, Austin. (1975)

Kathy Goddard-M.A., Associate Professor of English

B.S., Andrews University; M.A., John Hopkins University. (2010)

Zachary Gray-M.F.A., Associate Professor of Visual Art and Design

B.S., Southern Adventist University; M.F.A., Savannah College of Art and Design. (2000)

Mark Guild-M.A. and M.B.A., Associate Professor of Business

B.A. and M.A., Andrews University; M.B.A., Thunderbird School of Global Management. (2015)

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