

The Bulletin

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SOUTHWESTERN
ADVENTIST UNIVERSITY
Knowledge. Faith. Service.

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Academic Calendar 2020-2021

Fall Semester 2020

August

18-22 Tues-Sat CORE

23 Sunday Last Day to Register for FA'20

24 Monday Instruction Begins

28 Friday Last Day to Add a Class

September

4 Friday Last Day to Drop a Class without Receiving a 'W'

7 Monday SCHOOL IS IN SESSION (LABOR DAY)

8 Tuesday Enrollment Census

October

14 Wednesday Mid-Semester

23 Friday Deadline for Removal of SU'20 Incompletes

30 Friday Last Day to Withdraw from a Class

November

2 Monday SP'21 Registration Begins

2-13 2 Weeks SP'21 Advising

20 Friday Final On-Campus Fall Testing

23, 24 Mon-Tues Final On-Campus Fall Testing

25 Wednesday Thanksgiving Break Begins

30 Monday Instruction Continues Online

December

9 Wednesday Semester Ends

MWF Class Days 43

T/TH Class Days 29

Exams 3

75

Spring Semester 2021

January

10 Sunday Last Day to Register for SP'21

11 Monday Instruction Begins

15 Friday Last Day to Add a Class

18 Monday School Holiday, Martin Luther King Birthday

22 Friday Last Day to Drop a Class without Receiving a 'W'

27 Wednesday Enrollment Census

February

19 Friday Deadline for Removal of SU'20 Incompletes

March

3 Wednesday Mid-Semester

12 Friday Spring Break Begins

22 Monday Instruction Resumes

29 Monday Summer Registration Begins

31 Friday Last Day to Withdraw from a Class

April

5 Monday FA'21 Registration Begins

5-16 2 Weeks FA'21 Advising

May

3-5 Mon-Wed Exams

7 Friday Senior Consecration

8 Saturday Baccalaureate

9 Sunday Commencement

MWF Class Days 43

T/TH Class Days 30

Exams 3

76

Summer Semester

May 10 – August 19, 2021

July 9 Deadline for Removal of Spring 2021 Incompletes

Session I

On Campus (6 weeks) May 10 – June 18

May

10 Monday Class Begins/Last Day to Add a Class

18 Tuesday Last Day to Drop without Receiving 'W'/Final Day for Refunds

June

11 Friday Last Day to Withdraw from a Class

25 Friday Grades Due

Session II

On Campus (6 weeks) June 21 – July 30

June

21 Monday Class Begins/Last Day to Add a Class

29 Tuesday Last Day to Drop without Receiving 'W'/Final Day for Refunds

July

23 Friday Last Day to Withdraw from a Class

August

6 Friday Grades Due

SWAUonline

Online Courses May 10 – August 19

May

10 Monday Class Begins/Last Day to Add a Class

18 Tuesday Last Day to Drop without Receiving 'W'/Final Day for Refunds

Aug.

13 Friday Last Day to Withdraw from a Class

27 Friday Grades Due

About SWAU

Mission Statement

Inspiring knowledge, faith, and service through Christ-centered education.

Vision

Southwestern Adventist University seeks to be a community that supports academic, spiritual, physical, and emotional wholeness encouraging all members to find their purpose and lead lives of service.

University Values

UNIVERSITY VALUES

	WE VALUE THE	SOUTHWESTERN STUDENTS, EMPLOYEES AND GRADUATES WILL
1.	empowering nature of God's Word	continually seek and be guided by wisdom
2.	mercy and justice of God	strive to live with complete integrity and without fear
3.	blessings of God	be good stewards of their time, their talents, and the resources God places in their care
4.	image of God in all humanity	treat each individual with respect and seek opportunities to work together for the good of humanity
5.	forgiveness of God	act with humility and be understanding of others' limitations
6.	transformative power of God's love	unselfishly serve and defend those in need through acts of care and compassion
7.	eternal plans of God	remain forever faithful



Brief History

Southwestern Adventist University was founded in 1893 as Keene Industrial Academy. Junior college level work was first offered in 1916 and the name was changed to Southwestern Junior College. In anticipation of offering baccalaureate work, the name was changed to Southwestern Union College in 1963. The first bachelor level classes were offered in 1967. In 1977, the college was renamed Southwestern Adventist College, reflecting its denominational affiliation. Graduate level work was begun in 1987; nine years later the institution changed its name to Southwestern Adventist University. The University has been accredited by the Southern Association of Colleges and Schools since 1958; first as a Level I institution

(associate degrees), then in 1970 as a Level II institution (baccalaureate degrees), and since 1989 as a Level III institution (graduate degrees).

Geographical Region, Type of Students and Faculty

The University serves primarily the needs of the Seventh-day Adventist membership in the five states of Arkansas, Louisiana, New Mexico, Oklahoma and Texas. The University welcomes students from all religions and geographical areas, as well as from diverse ethnic, social, and cultural backgrounds.

To achieve its purpose effectively, the University recruits and retains well-qualified teachers, who are dedicated to teaching and advising and who are willing to spend time with students both in and out of the classroom. The University encourages research and scholarly endeavors on the part of its faculty.

Major Institutional Functions

The University provides a challenging environment conducive to the total development of the student, thus contributing to the realization of each individual's potential. The administrative departments of the University provide the infrastructure needed for the institution to fulfill its educational purposes.

The University's undergraduate curriculum consists of programs in the liberal arts and sciences, with a number of professional and preprofessional curricula. The general education component brings balance to the academic and professional programs, enriching the intellectual and cultural experiences of the student beyond the limits set by the specific major. The graduate curriculum includes master's degrees in education and psychology.

Student Learning Outcomes

The University graduate will:

1. Have knowledge in the humanities/fine arts, social/behavioral sciences, natural sciences and mathematics.
2. Be able to communicate effectively through the spoken word, the written word, and the use of other abstract symbol systems.
3. Be able to think critically and solve problems.
4. Possess the attributes of growth: ability, tolerance, self-reliance, compassion, and a love of learning.
5. Have a commitment to high moral and ethical standards.
6. Have knowledge of Seventh-day Adventist values and beliefs.
7. Possess leadership skills and a commitment to service.

8. Possess the knowledge, skills, and personal attributes to function effectively in the workplace.
9. Possess cultural sensitivity and a global perspective.

Accreditation and Non-Discrimination Policy

Southwestern Adventist University is accredited by the Southern Association of Colleges and Schools Commission on Colleges (1866 Southern Lane, Decatur, Georgia 30033-4097, telephone number 404-679-4501) to award: Associate, Bachelor, and Master degrees.

In addition, the University is currently accredited by the following accrediting bodies:

1. Adventist Accrediting Association of SDA Schools, Colleges, and Universities
2. International Assembly for Collegiate Business Education
3. Texas Education Agency
4. The baccalaureate degree program in nursing at Southwestern Adventist University is fully approved by the Board of Nursing for the State of Texas, 333 Guadalupe #3-460, Austin, TX 87801, 512-305-7400.
5. The baccalaureate degree program in nursing at Southwestern Adventist University is accredited by the Commission on Collegiate Nursing Education, 655 K Street NW, Suite 750, Washington, DC 20001, 202-887-6791

The University is a member of the following:

1. Council of Independent Colleges
2. Independent Colleges and Universities of Texas
3. Hispanic Association of Colleges and Universities

Southwestern Adventist University does not discriminate on the basis of gender, religion, disability, race or ethnic origin. The University President is responsible for compliance. The University believes the interpretation and implementation of all government laws and regulations are subject to constitutional guarantees against unreasonable entanglement with or infringement on the religious teachings and practices of the Seventh-day Adventist Church. Any regulation or change in regulation adopted by the Board of Trustees or the faculty at any time shall have equal authority as the regulations printed in this bulletin or the student handbook. Each student is responsible for knowing and observing the regulations of the University and is responsible for fulfilling the requirements for his or her degree as defined by the University *Bulletin*.

Admissions

As a Christian institution providing higher education in the liberal arts and selected professional areas, Southwestern Adventist University welcomes applications from students who will share the vision, values, and ideals of the university, and whose desire for a successful education experience will enable them to commit to the total program of learning, development and service. The university is committed to equality and does not consider race, gender, age, disability, color, or national and ethnic origin in determining qualifications for admissions.

Admission is granted to applicants who meet admissions requirements and who will uphold the standards of the university in accordance to the Christian principles as taught by the Seventh-day Adventist Church.

Students are advised that admission is contingent upon the integrity of the information submitted to the University. Discovery of false information could be grounds for withdrawal of the offer of admission or for immediate dismissal. Dismissal would result in forfeiture of all charges paid and academic credits earned.

Freshman Admission

To receive priority processing and scholarship consideration, applications should be submitted by March 1 for the fall semester and November 1 for the spring semester. Application deadline is August 1.

Regular admission requirements

Transcript: submit one of the following

- Official secondary school transcript with a grade point average (GPA) of 2.75-4.00 (on a 4.00 scale)
- General Education Development (GED) test average score of 500 with no score below 450. Texas GED: 160-200 regular admission.
- Home school transcript with courses, grades, and dates of completion with a state-issued certificate of secondary school completion if applicable.
- General Certificate of Secondary Education: must have five (5) passes or more

Provisional Admission: GPA of 2.50 - 2.74

- High school English or Math grades with D/F must be re-taken
- Provisional status removed after 1 semester at SWAU with a 2.25+
- Placement tests submitted after provisional admission which meet requirements for ENGL 121 and MATH 110 will change the entrance classification to regular admission
- Students admitted with provisional status are required to take UNIV 011

Placement Scores

- ACT 17
- SAT 480
- TSI Reading 351, Writing 340, Essay 4
- ACCUPLACER Reading 80, Writing 6
- Nelson-Denny score of 15

Southwestern encourages the TEA Recommended High School Program of 26 credits, which will increase a student's opportunities for success.

- 4 credits of English/Language Arts
- 4 credits of Mathematics, including Algebra I, II, and Geometry
- 4 credits of Science, including Biology, Chemistry, and Physics
- 4 credits of Social Studies, including World History, World Geography, U.S. History, 1/2 credit Government, 1/2 credit Economics
- 1 credit of Physical Education
- 1/2 credit of Speech
- 1 credit of Fine Arts
- 5 1/2 credits of Electives
- 2 credits of Foreign Language Studies

Applicants taking Advanced Placement classes should consult the AP examination program in the Academic section of this *Bulletin* regarding scores necessary for college credit.

Transfer Admission

To receive priority processing and scholarship consideration, submit applications by March 1 for fall semester and November 1 for spring semester. Application deadline is August 1.

Transfer Admission Requirements

- Official transcripts of all college/universities attended with a minimum cumulative GPA of 2.0
- Students with less than 24 credits will need to submit proof of secondary school completion

Academic credit earned from regionally accredited colleges and universities will be accepted as transfer credit subject to the following guidelines:

- Courses with grades of C- or higher will transfer
- Even though credit hours are transferable, the hours may not necessarily apply toward a particular degree program or general education requirements

- All courses taken at a community college transfer as lower-division hours only
- Courses considered technical, developmental/ remedial, continuing education, cooperative education, extension, English as a Second Language, and non-credit classes will not transfer
- Transcripts submitted from non-accredited institutions are evaluated on a course by course basis
- Transcripts from universities outside the United States must be evaluated for the student by an independent evaluation service. Southwestern recommends the use of World Evaluation Services www.wes.org

Transfer students who have not completed the general education mathematics requirement and/or the freshman composition requirement prior to enrollment at the University can submit the ACT or SAT for English prior to registering for classes. Required test scores for ENGL 121 can be any of the following: SAT ERW of 480, or ACT English of 17. Students can also take the Accuplacer or submit TSI scores.

Applicants who do not meet the published requirements may be considered for admission on academic probation. A letter of intent to succeed along with two references need to be submitted to the Office of Admissions for consideration by the Admissions Committee.

Admission to the Nursing Program

Nursing Program Deadlines

2020–2021

Applications that are not complete by the listed deadlines will not be considered for admission

	FALL 2020	SPRING 2021
Application and transcripts from all colleges attended must be submitted	<input type="checkbox"/> April 1	<input type="checkbox"/> September 1
Two completed personal reference forms	<input type="checkbox"/> April 1	<input type="checkbox"/> September 1
TEAS test results	<input type="checkbox"/> April 1	<input type="checkbox"/> September 1

Please submit all documents to the Director of Admissions at rahneeka@swau.edu or mail to 100 W Hillcrest St, Keene, TX 76059.

	FALL 2020	SPRING 2021
Notification of admission status	<input type="checkbox"/> April 15	<input type="checkbox"/> September 15
\$200 Nursing commitment deposit to reserve your place in the program	<input type="checkbox"/> May 15	<input type="checkbox"/> October 15
Be at registration Step 6 (See enclosed registration guide)	<input type="checkbox"/> July 15	<input type="checkbox"/> November 15
Deadline to submit all required health records to CastleBranch:	<input type="checkbox"/> July 15	<input type="checkbox"/> December 1
<ul style="list-style-type: none"> • Physician's report of physical exam • Current immunizations (MMR, HepB, Varicella, TB, Tdap, Influenza) • CPR Card (American Heart Association—Basic Life Support) 		
Upload Blue card from the Texas Board of Nursing to CastleBranch	<input type="checkbox"/> August 1	<input type="checkbox"/> December 15
Nursing Orientation	<input type="checkbox"/> August 20	<input type="checkbox"/> January 7
Classes Begin	<input type="checkbox"/> August 24	<input type="checkbox"/> January 11

Students accepted to the nursing program must successfully complete all prerequisite courses and maintain a minimum GPA of 3.0.

Admission of International Students

The application deadline is May 1 for fall semester and October 1 for spring semester. Student must be fully

admitted by June 1 for fall semester and November 1 for spring semester to allow sufficient time for the student to obtain an I-20 and obtain a student visa.

In addition to meeting the freshman or transfer acceptance requirements, an international student must submit official copies of all education documents validated by school or national officials. These should be in the original language, accompanied by a certified English translation.

Students for whom English is not their native language must submit any of the following tests with the minimum score listed:

- TOEFL* (Test of English as a Foreign Language)
- PBT old 550, PBT new 65, IBT 85, CBT 235
- IELTS 6.5
- iTEP 3.9
- PTE 55
- GTEC 1220
- Michigan test 80
- ERW 480
- ACT 17 English

or

- Transfer of a minimum of 24 semester credit hours from a college or university where English is the language of instruction.

International Student I-20 process - F1 Visa

All students needing an I-20 must meet the following:

- Submit legible copy of valid passport information page
- Submit at least three (3) sequential bank statements that give evidence of income
- Submit the international student deposit of \$1000 which includes the \$200 residence hall room deposit, and a \$100 non-refundable processing fee
- Pre-payment of \$6500* for undergraduate students or graduate students
- Upon receipt of I-20 student must submit payment to SEVIS for I-901.

*If a student is not granted a visa and does not enroll, these funds will be returned minus the processing fee and any transaction fees.

Current immigration laws allow an international student with an F-1 Visa to work on campus up to 20 hours per week during the semester and up to 40 hours per week during vacations provided that the student is registered for the subsequent academic semester. While there are many campus jobs available, Southwestern does not guarantee student employment.

Major medical insurance coverage must be purchased through Southwestern at registration. If a student is already insured through the SDA system, he/she must provide documentation of equivalent insurance coverage. No insurance coverage refunds will be made after the second week of classes.

International students should not leave their homeland until they have the following:

- A letter of acceptance from Southwestern Adventist University
- An I-20 from Southwestern Adventist University
- A valid passport and F-1 Visa for travel to the United States of America

Application Procedure for Admission

Prospective students can apply at no cost online at www.swau.edu/apply or request an application packet from the Enrollment Services Office at enroll@swau.edu.

- Completed paper applications should be sent to the Admissions Office with an application fee of \$50.00.
- It is the responsibility of the student to request all transcripts and SAT or ACT scores to be sent to the Admissions Office at Southwestern Adventist University. These become the property of the University.
- When all documents have been received, the application, transcripts, and test scores will be reviewed and the Admissions Office will notify the applicant of the decision.

Commitment Deposit

New students who are accepted need to submit a \$100.00 Commitment Deposit in order to reserve their place in the entering class. This allows access to student Portal when registration opens and provides priority processing for financial aid. Priority deadline is May 1 for fall semester and November 1 for spring semester. Commitment deposits are applied to the student's account and are non-refundable if the student does not enroll.

Admission of Non-Degree Students

Special permission to register is extended to a variety of students wishing to take classes at the University. Academic transcripts are not required. Tuition and fee charges for these students are provided in the financial section of this Bulletin.

Non-degree students desiring to change to degree status must apply and meet all regular admission requirements.

Audit. Students who plan only to audit a class must submit a Special Student Admission Application and a request for registration.

Dual Credit/Dual Enrollment. The University has several programs available to high school students to take University courses online, on-campus, or at a Southwestern Union academy. Students interested in these programs should contact the Office of Admissions and submit an application and a request for registration.

Teacher Certification. Individuals who need specific courses for certification must submit an application and a request for registration. Students interested in certification should consult the Department of Education section in this Bulletin.

Transient. Students enrolled at another college or university who wish to take a course must submit an application and a guest letter from their college or university.

Readmission to the University

Students seeking readmission after being unenrolled for one year must reapply and submit official transcripts from any subsequent college or university to the Office of Admissions.

Returning students will be readmitted provided there are no academic sanctions, disciplinary actions, or financial holds restricting enrollment. Students who are readmitted after two or more semesters of non-attendance must meet the degree requirements of the Bulletin in effect at the time of readmission.

Admission of Post-Baccalaureate Students

Southwestern Adventist University offers four-year graduates of any accredited college or university, including Southwestern, the opportunity to take additional undergraduate classes, to complete another undergraduate degree, or to apply for graduate studies. Admission policies will apply to these students as follows.

- Additional classes only as a non-degree student
- Additional undergraduate degree seeking student

The tuition discount for post-baccalaureate students is 50% of full tuition cost. Does not apply to the Nursing program.

Finances

Costs

Tuition, Room & Board Costs

Full-Time Student Package	Semester	Year
Tuition (12-17 credit hours)	\$11,088	\$22,176
SA Fee	110	220
Technology Fee	220	440
Total Tuition and Fees	\$11,418	\$22,836
Residence hall room	1,975	3,950

Credit Hour Charge

Courses taken below the 12-17 hour package will be charged at \$924 per credit hour. Courses taken above the 12-17 hour package will be charged at \$693 per credit.

Meal Plan Choices

Meal Plan Choices (required for resident hall students)

Meal Plan

- \$1,975 (per semester - includes \$125 for the Knight's Market and Grill*)

This meal plan is required for undergraduate students under the age of 22 who have 89 or less cumulative credit hours on their Southwestern transcript. This plan is for unlimited access to the cafeteria seven days per week.

Meal Plan 22

- \$1,125 (per semester)

Undergraduate students who are 22 years of age or older, seniors (90+credit hours), or off-campus students may select either the regular Meal Plan or Meal Plan 22. Meal Plan 22 is not unlimited access. The student is charged by the meal for each entry to the cafeteria with a \$50 per day limit, until the \$1,125 is used. A portion of this plan is used up each week regardless of entry into the cafeteria. Any portion of the \$1,125 may be spent in the Knight's Market and Grill*.

*The Knight's Market and Grill offers a variety of hot meals and made-to-order sandwiches as well as breakfast items, smoothies, snacks and beverages.

Please note these guidelines before selecting a meal plan:

1. A processing fee will be assessed for any changes to meal plans after the close of registration.
2. Refunds are on pro-rata basis only when withdrawing from school or moving from the residence hall.
3. Meal plans may not be shared with other students or guests.

Student Package includes:

- Tuition for a 12-17 hour class load
- Cap and gown for graduation
- Diploma

*A room in one of the residence halls beginning the Sunday of the week classes begin.

*Meals at the cafeteria:

- Fall Semester - beginning with the Sunday evening meal the week classes begin
- Spring Semester - beginning with the Sunday evening meal the week classes begin
- Reduced hours during Thanksgiving and Spring break
- The cafeteria website will show the holiday and inclement weather day schedules.

Use of the following:

- Library
- Computer Laboratories
- Science Laboratories
- Athletic Facilities
- Student Center
- Counseling Services

* These items are included in the Residence Hall Student Package only.

Residence Hall Requisites

All unmarried students under 22 years of age, taking six or more credit hours, are required to live in one of the University's residence halls. Residents are also required a meal plan offered through the cafeteria. Students who officially withdraw from Southwestern Adventist University will not be permitted to live in the residence hall after their official withdrawal date.

Off-Campus Living: Must meet the following requirements and be approved by the Dean of Students

- Be 22 years of age, *or*
- Taking six or less credit hours, *or*
- Have earned a bachelor's degree, *or*
- Live with immediate relatives (parents, grandparents, or siblings over 24 years of age in an established residence), *or*
- Be a senior with a good citizenship record, 90+ credit hours, and cumulative GPA of 3.0 *or* greater

Single students must live with the same gender, unless living with parents or grandparents.

Residence Hall Deposit

To reserve a room, students are required to pay a general deposit of \$200 to the respective residence hall. The deposit will be held until the student graduates, moves out of the residence hall, or withdraws from the University. Deposits are refunded to the student's account and will be released if there is no balance due. The deposit is refundable on condition that the checkout procedure of the residence hall is followed (see Residence Hall Handbook). Should a student cancel an application for admission before August 1, the deposit will be refunded.

Private Room Fees

Private room fees are an additional \$988 per semester subject to space availability, dean approval, and financial clearance.

Other Tuition and Fees

Audit Tuition

Tuition to audit a course is \$100 per credit hour unless it is part of the tuition package. The SA fee and technology fee will be waived, but course and lab fees that are part of an audited class are not waived for audit-only students. Audit-only students will not have access to university services. Some courses are not available for audit.

Consortium Agreement

Under a consortium, Southwestern gives credit for courses taken at the other schools on the same basis as if it provided the training itself. The Consortium Agreement is initiated by the student and approved by both institutions. Students will be charged an administrative fee of \$100 for this process.

Course Fees

- ARTS supply fee - \$40
- ACSM Personal Training Certification - \$289
- Athletic/SWAT Fee - \$150
- BIOL lab course fee - \$50
- BIOL course that includes a 4-day field lab - \$140
- BUAD 202 course fee - \$45
- BUAD 472 course fee - \$45
- CHEM lab course fee - \$50
- COMM 125 lab fee - \$150
- COMM 137 supply fee - \$150
- COMM 127 lab fee - \$150
- COMM 224 lab fee - \$150
- COMM 237 and 337 lab fee - \$150
- COMM 343 supply fee - \$150
- COMM 437 supply fee - \$150
- EMSP course fee - \$25
- FNCE 422 course fee - \$30
- FNCE 433 course fee - \$30
- FNCE 452 course fee - \$30
- Independent class fee - \$100 per credit hour

- KINA 247 course fee - \$100
- KINA 234 Fee - \$80
- MKTG 343 fee - \$30
- Music Ensemble fee - \$50

SWAUonline Program

SWAUonline Program tuition is \$739 per credit hour. There are no payment plans for this program. All charges must be covered at the time of registration through aid, credit/ debit card, and/or cash. SWAUonline Prior Learning Assessment recording fee is \$75 per course. Additional information about the SWAUonline Program can be found on the [SWAUonline](#) website. Because this is a discounted program, no Southwestern scholarships are available to students in this program.

SWAUonline Program - Technology Fee

Technology Fee for SWAUonline students will be prorated based on course load. \$55 per course, with a maximum of \$220 per semester.

Department Fees

- **Computer Science Program Fees**
Computer Science majors will be charged a \$100 Program Fee each semester.
- **Education Program Fees**
Any student seeking Secondary Certification in Education or a major in Education will be charged a \$100 Program Fee each semester.
- **Psychology Program Fees**
Psychology majors will be charged a \$50 Program Fee each semester.

Psychology, emphasis School Guidance majors will be charged a \$100 Program Fee each semester.

Examination Fees

- Challenge, waiver, and validation preparation fee - \$85
- CLEP and challenge examination recording fee - \$25
- Michigan Test of English Proficiency - \$25
- Fees for exams such as Career, Aptitude, and Personality; CLEP; Michigan Test of English Proficiency; and SAT or ACT vary by exam. These fees must be paid in advance of taking the exam. Special examinations may also carry a preparation and recording fee.

Freshman Orientation Fee

Attendance at Freshman Orientation is required of all freshmen students. A fee of \$350 will be assessed for this orientation.

Graduate Program

Graduate Program tuition is \$924 per credit hour. Graduate hours are charged separately from the undergraduate tuition package. For further information about the graduate programs and available scholarships, please refer to the *Graduate Bulletin*.

General Fees

Fees are non-refundable after the close of registration.

- **Student Association Fee** - \$110 each semester is required of all undergraduate students.
- **Technology Fee** - \$220 each semester is required of all students.

Medical Laboratory Science

Medical Laboratory Science students will be charged an administrative fee of \$100 per semester during their clinical year. Check with the advisor regarding tuition and fees. Southwestern scholarships are not available for the clinical year during which the courses are taken at another institution.

Music Lessons

Music lessons are \$350 per semester above the cost of tuition (based on a minimum of ten half-hour lessons). There are no refunds after the second week of the semester.

Nursing Tuition Surcharge/Program Admission Fee

1. Nursing Deposit - \$200 non-refundable deposit is required at the time of acceptance into the Nursing program.
2. Nursing ATI Fee - \$575 per semester in the Nursing Program (ATI provides comprehensive online learning, testing, and NCLEX resources)
3. Nursing Skills Supply Fee - \$100 one-time fee charged the first semester in the Nursing program
4. Clinical Course Fee - \$300 for all clinical courses throughout the Nursing program
5. CastleBranch Account Fee - \$25 to set up a CastleBranch account prior to starting in the Nursing program
6. Drug Testing and Background Check Fees - \$79 fee during the first semester in the Nursing program

Senior Citizens

The tuition rate for senior citizens (65+) is \$100 per semester hour for courses taken for audit or credit. This does not apply to SWAUonline, nursing classes, or discounted programs. There must be space available in the class.

Study Abroad Program

Adventist Colleges Abroad (ACA) students must submit a non-refundable \$100 application fee for the academic year study abroad program. There is a \$30 application fee for the summer program.

Students who study abroad through a college or university that is not affiliated with Adventist Colleges Abroad will be charged an administrative fee of \$100 per semester.

Summer Program

- Summer school tuition for on-campus courses is 75% of regular tuition.
- Online courses are charged at 80% of regular tuition.
- Graduate classes are \$924 per credit hour.
- GEOL 240 The Dinosaurs is \$305 per credit hour.
- HNRS 275, HNRS 375, HNRS 376 are \$462 per credit hour.
- BIOL 225 Field Biology is \$462 per credit hour.
- BIOL 325 Field Ecology is \$462 per credit hour.

Student Missionary/Task Force Program Charges

Students who spend one year of their education as a student missionary or task force worker will be enrolled in 12 credit hours each semester. By this, the University recognizes the legitimate full-time educational value of this experience. Six of these credit hours will count as elective credit toward graduation, while six will be non-credit hours. The student will be charged \$300 tuition each semester for a total of \$600 for the academic year. An application/ processing fee of \$150 is charged at the time of application.

Other Expenses Books

Students are given the opportunity to indicate if they want to charge books to their student account through **BBA Corporation**, the University textbook provider, during the on-line registration process. Students may rent books for \$325 per semester or charge up to \$600 for book purchases to their student account per semester.

Checks

Returned checks not honored by the bank carry a \$35 charge.

Field Trip Costs

Students will pay for their own food and lodging on class trips.

Fines

An assembly fine of \$10 will be assessed for each absence beyond the two absences allowed in a semester. The cafeteria will assess fines for infractions of cafeteria policy.

The library will assess fines for overdue library materials and lost items. Residence halls will assess fines for improper checkouts, lost keys, and infractions of residence hall policies.

Miscellaneous fines may be assessed as deemed appropriate by the administration.

Graduation Dues

Graduation class dues are a mandatory non-refundable fee that covers expenses such as class gift, 25 graduation announcements, and miscellaneous class activities. The amount of this fee is voted by the senior class each year. This fee applies to campus as well as SWAOnline Program students. When a student returns to obtain an additional degree and graduation dues were paid as an initial Southwestern graduate, only half of the dues will be required for each subsequent graduation class. Graduation dues are charged to the student account at the beginning of the semester in which the student will graduate.

Identification Card

An ID card is provided to the student for cafeteria, library, and athletic facility use. The card is valid as long as the student is enrolled. There will be a \$10 cash replacement charge for a lost, stolen or damaged card. No student ID is issued to students who are auditing classes only.

Insurance

Automobile insurance is the responsibility of the student. The University does not carry insurance covering theft, loss, or damage of any kind.

Medical insurance is required for all students registered for 6 or more credit hours. Medical insurance can be purchased at registration for the academic year if the student is not covered by another plan. No refunds will be made after the second week of classes.

Immigration requires that all international students have twelve-month medical insurance coverage while in the United States. International students must purchase major medical insurance coverage through the University at the time of registration. Medical insurance from a home country will not be accepted. If a student is insured through the SDA General Conference system, the international student must provide documentation of equivalent insurance coverage. No refunds will be made after the second week of classes.

Personal property insurance is the responsibility of the student. The University is not responsible for the loss of personal property by fire, theft, or other causes. It is recommended that students arrange for insurance

coverage of their personal belongings with an insurance agency of their choice. Residence hall students are advised not to keep money in their rooms.

Late Registration Fee

A fee of \$200 cash is required for requests to finish registration after the close of registration. Independent of registration costs.

Low Balance Write-Offs

Credits or debits of less than \$5 will be written off at the end of the semester.

Transcripts/Diplomas

Southwestern Adventist University transcript services are provided by **Parchment Exchange** – including request and payment. The link to this service is located on the web portal. Costs: electronic transcripts - \$5, paper mailed transcripts - \$7, and additional charges for overnight and international mailings. Currently enrolled Southwestern students and Southwestern Union Conference Teachers need to contact the **Student Records Office** at 817-202-6200. A transcript is collateral for any unpaid student account balance. Transcripts and diplomas are not released

- if a student's account is not paid in full.
- if the student has not completed federal student loan exit counseling.
- if government loans are not current in repayment, or if the academic file is incomplete.
- If a check to pay off a student account balance accompanies a transcript request, the transcript will be held until the check is cleared. Requests accompanied by credit card information, a money order or a bank draft is processed more quickly. Replacement diplomas will be assessed a \$50 charge (See **Student Records**).

Payment Plans

Payment Plans

Southwestern offers three payment plans for fall and spring semesters to help students manage their university expenses. Classes taken during the summer require full payment at the time of registration for each module.

Plan I - Cash

Full payment of semester charges that are not covered by student aid.

Plan II - Four-payment Institutional Education Loan (0% interest)

Under this plan, students are required to pay 65% of the semester charges at registration. Financial aid can be

applied to the 65% payment. The remaining balance will be a zero percent interest loan divided equally over four payments due the 10th of each month, as follows:

Fall Semester

- July 15 Registration payment, minimum of 65% of semester charges
- August 10 First payment
- September 10 Second payment
- October 10 Third payment
- November 10 Final payment - balance owed on account

Students must go to the University portal in July to choose this payment option on the [Student Portal](#).

Spring Semester

- December 15 Registration payment, minimum of 65% of semester charges
- January 10 First payment
- February 10 Second payment
- March 10 Third payment
- April 10 Final payment - balance owed on account

Students must go to the University portal in December to choose this payment option on the [Student Portal](#).

Plan III - Three-payment Institutional Education Loan (0% interest)

Under this plan, students are required to pay 65% of the semester charges at registration. Financial aid can be applied to the 65% payment. The remaining balance will be a zero percent interest loan divided equally over three payments due the 10th of each month, as follows:

Fall Semester

- At Registration Registration payment, minimum of 65% of semester charges
- October 10 First payment
- November 10 Second payment
- December 10 Final payment - balance owed on account

Spring Semester

- At Registration Registration payment, minimum of 65% of semester charges
- February 10 First payment
- March 10 Second payment
- April 10 Final payment - balance owed on account

Any additional charges the student incurs during the semester will become a part of the institutional loan for payment plans II and III. These additional charges will be added to the next payment due. All institutional loans are to be paid in full by the end of the semester.

The University is advancing value to students in the form of educational services and a student's right to register is expressly conditioned upon the student's agreement to pay the costs of tuition and fees and any additional costs when those charges become due. Regardless of the student's eligibility for financial aid, the student is personally responsible for the full amount assessed as a result of the student's registration. In addition, failure to pay the costs of tuition and fees will result in a financial hold on the student's record which will prevent the release of the student's academic transcript and diploma. The University may refer any past due account for collection and may authorize legal action against the student for the collection of this debt. The student is liable for all reasonable collection costs, including attorney fees, court costs, and other charges necessary for the collection of a past due account.

Methods of Payment

Online -- Current students may pay online with a credit or debit card through their student portal.

Phone call -- Payments may be made to a credit or debit card by calling the cashier at 817-202-6299.

In-person -- Payments may be made by cash, check, or debit/credit card at the Cashier's Office on campus.

Mail -- Check or money orders may be sent to Student Financial Services.

Wire Transfer -- See instructions at www.swau.edu/bank-wire-instructions

Tuition, Room & Board Institutional Refund

Refunds to students dropping all, or some, classes will be prorated on a weekly basis as shown in the chart below. The date of withdrawal is based on the date the student files a drop voucher with the Records Office (only tuition).

Week	Refund % Tuition
Registration Week	90%
Second Week	60%
Third Week	40%
Fourth Week	20%
Fifth Week	0%

Room and board charges will continue until the student's personal belongings have been removed from the residence hall and clearance has been filed with the residence hall dean. Room and board refunds are prorated on a daily basis.

Refunds are not made on these items:

1. Insurance
2. Missed cafeteria meals
3. Music lessons two weeks after registration day
4. SA fee

5. Technology Fee
6. Unattended classes

Return of Federal/State Funds

When a student receives federal student aid funds and subsequently withdraws from the University, a portion of these funds may have to be returned to the Federal Government. The return amount is based upon the percentage of assistance earned up to the date of withdrawal within the enrollment period. No return is required after the 60% point in time. Repayment to federal student aid funds will be made in the following order: Unsubsidized Federal Direct Loan, Subsidized Federal Direct Loan, Federal PLUS Loan, Federal Pell Grant, Federal SEOG, TEACH Grant, other federal funds. If it is determined that the student must return funds which were received directly, the student may set up a repayment plan through Student Financial Services. The University will apply this policy to all federal student aid recipients.

Return of State aid funds is calculated independently of the federal funds, according to State guidelines. During the first week of the semester, 70%; second week 60%; third week 40%, fourth week 20%; and, the fifth week and thereafter, 0%.

Financial Aid

To receive federal or state aid, a student must meet certain eligibility requirements. Some of the basic requirements include U.S. Citizenship or permanent residency; high school diploma, GED, 60+ transferable college credits, or home school certification; and academic standards.

Federal Grant Programs

Eligibility for the following programs is based upon receipt and evaluation of the Institutional Student Information Record (ISIR), which is the result of the Free Application for Federal Student Aid (FAFSA). To be guaranteed the maximum award for which the student is eligible, the FAFSA must be completed by Southwestern's priority date of March 1. Students are automatically considered for all grants for which they may be eligible.

Federal Pell Grant

This is a federally funded grant available to undergraduate students enrolled in a program leading to a degree. Federal Pell grants usually are awarded only to undergraduate students who display exceptional financial need and have not earned a bachelor's, graduate, or professional degree. The actual award for each student is determined by the U.S. Department of Education through the evaluation of the FAFSA. The annual award ranges from \$639 to \$6,345. Students may receive a lifetime limit

of the equivalent of 6 years of undergraduate studies for a baccalaureate degree. Students who receive Pell Grants may have funds available to them for books during the first week of classes each semester. The student may either choose to charge the cost of their books to their student account through the University sponsored bookstore or, if their aid results in a credit on their account, funds will be given to the student to purchase their books. In certain situations, an eligible student can receive up to 150 percent of his or her scheduled Pell Grant award for an award year. Students may not receive Federal Pell Grant funds from more than one school at a time.

Federal Supplemental Educational Opportunity Grant (FSEOG)

This grant is funded through a combination of federal and University funds and is dependent on funding levels approved by the federal government. Annual awards at Southwestern range from \$100 to \$1,500 and are awarded to students who are also eligible for Federal Pell Grant.

Students must complete the FAFSA by January 15 to be guaranteed receipt of this award.

TEACH Grant

This is a non-need based program that provides up to \$4,000 per year to students enrolled in an eligible program and who agree to teach as a highly qualified teacher in a high-need field, at a low-income elementary or secondary school for at least 4 years within 8 years of completing the program for which the TEACH Grant was awarded. Failure to complete the required teaching service results in conversion of the TEACH Grant to a Federal Direct Unsubsidized Loan with interest accruing from the date the grant was disbursed. A student may receive up to \$4,000 per year with an aggregate limit of \$16,000. Applicants must complete a FAFSA, sign an Agreement to Serve, and be completing coursework necessary to begin a career in teaching. A minimum 3.25 cumulative GPA is required. Southwestern will award a TEACH Grant only after the student has been accepted to the Education Program.

Financial Aid — State Grant Programs

Information about grants available through your state of residence may be viewed at www.studentaid.gov and clicking "state government". Eligibility for the following programs is based on the results of the Free Application for Federal Student Aid (FAFSA). Some individuals who are not U.S. Citizens or U.S. Resident Aliens may have established residency in the state of Texas and may be eligible for Texas grants. Contact Student Financial Services for a TASFA application.

Tuition Equalization Grant (TEG)

The State of Texas has established a program to help equalize tuition between state-sponsored institutions and independent universities. To qualify for this grant a student must establish eligibility through the FAFSA (or TASFA for students who have established domicile in Texas and are not U.S. Citizens or Resident Aliens), be a Texas resident, not be a recipient of an athletic scholarship, and not be enrolled in a theological degree program. Annual awards at Southwestern range from \$100 to \$3,200. Recipients must be enrolled at least three-quarter time. At the end of the academic year in which a student receives a renewal award the student must:

1. maintain an overall grade point average of at least 2.5
2. complete at least 75% of coursework attempted
3. as an undergraduate student complete at least 24 credit hours in their most recent academic year; as a graduate student, complete at least 18 credits in their most recent academic year

Federal/State Employment Programs

Eligibility for the following programs is based upon the results of the FAFSA. These programs are designed to give students work opportunities to help with University expenses and obtain experience that will complement each recipient's educational program or career goals. Students indicate on their FAFSA if they want to be considered for a work-study award. Funds are awarded on a first come, first served basis to students who have remaining eligibility for additional aid they may receive during the school year. Southwestern awards approximately \$2,200 for the year. Students receive the portion of their award that is actually earned through their work-study job.

Federal Work-Study (FWS)

This is a federal program that provides part-time jobs for undergraduate students with financial needs. Students work on campus, or in a community service job, and are paid at least minimum wage via direct deposit or with paper checks that can be picked up on scheduled pay days at the Business Office Cashier window.

Texas Work-Study (TWS)

This is a state-sponsored program. Students work on campus and are paid at least minimum wage via direct deposit or with paper checks that can be picked up on scheduled pay days at the Business Office Cashier window.

Texas Work-Study Mentorship Program (TWSMP)

The purpose of the mentorship program is to provide employment to eligibles students with financial need to

mentor, tutor or advise students at participating institutions of higher education or high school students within local school districts and nonprofit organizations.

Financial Aid — Student Loan Programs

Federal Student Loans

Eligibility for federal loans is based upon results of the FAFSA. Loans require completion of an initial master promissory note. Students receiving any of the following loans (except the Federal PLUS Loan) must complete entrance counseling before receiving the first disbursement of their loan and must have exit counseling before graduating or withdrawing from the University. Loans normally have a ten-year repayment period. Students may receive loans for up to 150% of the time needed to complete an undergraduate degree. Visit www.studentaid.gov for additional information on federal loans, including interest rates, origination fees, and repayment options.

Federal Direct Loan

This is a federally regulated undergraduate loan program with the U.S. Department of Education. Undergraduate students may borrow up to \$3,500 at the freshman level, \$4,500 at the sophomore level, and \$5,500 at the junior and senior levels, up to a maximum of \$23,000. Repayment begins six months after the student is no longer enrolled on at least a half-time basis.

Federal Unsubsidized Direct Loan

Students who have limited or no eligibility for the Federal Direct Loan may apply for the Federal Unsubsidized Direct Loan. In addition to the Direct Loan limits, dependent undergraduate students may borrow \$2,000 each year from the Federal Unsubsidized Direct Loan. In combination with the Direct Loan maximums, independent undergraduate students may borrow \$9,500 at the freshman level, \$10,500 at the sophomore level, and \$12,500 at the junior and senior levels with an aggregate limit of \$57,500. Interest payments can be made during the in-school period or will be capitalized.

Federal Direct PLUS Loan

Parents of dependent students may borrow under this loan program. A parent may borrow up to the cost of attendance minus any other aid the student is receiving. Repayment begins on the date of the last disbursement for that loan period.

State Loan Programs

College Access Loan

The College Access Loan Program provides alternative educational loans to Texas students who are unable to

meet the cost of attendance. A student must be a Texas resident, be enrolled at least half-time in a course of study leading to an associate's, bachelor's, or graduate degree, meet satisfactory academic progress requirements, and have good credit standing or provide a cosigner who has good credit standing and meets other requirements. Students may borrow an amount up to the cost of attendance less other financial aid. A 0%, 3%, or 5% origination fee will be deducted from the proceeds of each loan, depending on credit qualifications. Interest is a fixed annual rate of 4.5%. Apply at www.elmselect.com.

Private Education Loans

Southwestern Adventist University encourages all students to file the Free Application for Federal Student Aid (FAFSA) and be considered for all available aid programs. After exhausting the opportunities available from the federal aid programs, many students will consider private loan programs as a source of funding. As always, taking on debt for any reason should be done with considerable thought and only for the amounts needed. Additional information regarding the availability of federal student aid is available from the U.S. Department of Education at www.studentaid.gov.

The terms and conditions of credit-based private loan programs vary, and as such, students are encouraged to review the details of the programs before selecting a private loan program. Private loans are not eligible for loan consolidation programs made available for federal student loans. Interest rates, fees (both at the time of borrowing and at repayment), credit checks, and annual and aggregate loan limits require careful evaluation by the student as a consumer.

As part of the application process, students will be required to complete the Private Education Loan Applicant Self-Certification Form available through their lender's website. Students may also obtain a Self-Certification Form from the office of Student Financial Services. Information needed to complete this form, such as cost of attendance, may be obtained from the student's Award Notification. The Cost of Attendance can be found in the Private Education Loans section on the University website.

Students can find a list of lenders who have made loans to Southwestern Adventist University students in the past at <https://www.elmselect.com>. There is also an option to search for additional lenders. Southwestern will process loan applications from any legitimate lender. Students and families DO NOT have to select one of the lenders listed on Southwestern's ELM website.

Applying for Federal/State Aid (Priority Date: March 1)

When students complete their FAFSA by the March 1 preceding the academic year during which they will enroll, they are guaranteed the maximum in grant money for which they have eligibility.

Complete Free Application for Federal Student Aid (FAFSA) new or renewal application at: www.studentaid.gov. If student does not have access to the internet, he can request a paper application by calling 1-800-433-3243 or print an application from www.studentaid.gov. The application is available in English or Spanish.

Southwestern requests the following to award aid:

1. Results of your FAFSA.
2. Some aid applications require additional verification. Students will be informed of the additional document requirements.

Determining Financial Need

Financial need is calculated by subtracting the student's expected family contribution from the cost of education.

Expected Family Contribution (EFC) is the amount a family can be expected to contribute to educational costs. The federal processing center arrives at this figure by evaluating the answers given by parents and students on the Free Application for Federal Student Aid (FAFSA).

Cost of Education includes estimates for tuition, fees, books, supplies, room, board, transportation, and personal expenses.

Financial Need is the maximum amount of aid a student may receive from all sources when the student accepts any federal or state aid. Aid that is considered a part of the student's aid package includes: Federal loans, grants, and work-study; state loans, grants, and work study; private scholarships, and educational subsidy. Federal Direct PLUS Loans and Federal Unsubsidized Direct Loans can be considered a part of the Expected Family Contribution.

Financial Aid Availability

Federal Pell Grants, Federal Direct Loans and Federal Direct PLUS Loans are available to students who have been determined eligible for these programs through the federal application process. Southwestern receives limited allocations for the following programs:

- Tuition Equalization Grant (TEG)
- Texas College Work Study
- Texas B-On Time Loan Program
- Texas College Access Loan (CAL)

- Federal Supplemental Educational Opportunity Grant (FSEOG)
- Federal Work Study

Some students who qualify for these programs may not receive the award or may receive a minimal award because they have not completed the FAFSA by the priority date. Students are encouraged to submit all required forms early to receive the maximum in available grant money.

An estimated financial aid award is sent to new students upon receipt of the FAFSA. Official financial aid commitments are made only after the student is accepted for admission to the University and the financial aid file is complete.

Contractual Studies and Financial Aid

Medical Laboratory Science - Students who attend one of our affiliated colleges for their final year of study in the Medical Laboratory Science should contact Student Financial Services to determine which institution will award financial aid.

Study Abroad (Adventist Colleges Abroad) - Enrollment in ACA is approved for credit by Southwestern Adventist University and may be considered as enrollment at Southwestern for purposes of applying for federal student financial assistance.

Study Abroad (Individualized Contract) - A student may solicit a contractual agreement between Southwestern and a foreign university for a year of study abroad. The Contractual Agreement form may be obtained from Student Financial Services. A limited number of applicants will be approved each year. A fee of \$100 will be assessed by Southwestern each semester of study abroad through this program.

Financial Aid Academic Progress Standards

Southwestern Adventist University's Satisfactory Academic Progress (SAP) policy specifies the standards a student must maintain to be considered making progress in his/her course of study. The policy also establishes the criteria by which a student who has failed to maintain satisfactory progress may reestablish his/her eligibility for federal/state financial assistance.

Qualitative and Quantitative Components

Southwestern's satisfactory progress policy for undergraduate students contains a qualitative component

which requires a cumulative grade point average of 2.0 at the end of each semester for undergraduate work. The quantitative satisfactory progress policy requires completion of a specified percentage of the coursework attempted as well as a maximum number of credits that may be attempted for the completion of a degree.

Attempted Hours Completion Percentage Required

at 23	50%
at 55	58%
at 89	67%
90 +	67%

Each credit hour completed has a percentage minimum completion rate, beginning at 50% and ending at a minimum of 67% for cumulative credits of 90 or greater.

Maximum Attempted Hours

Baccalaureate Degree 192 (128 hour degree) 180 (120 hour degree) Associate Degree 96 Master's Degree 54 (MEd) 72 (MA)

Satisfactory Academic Progress Process

Academic progress will be reviewed at the end of each fall, spring, and summer term. When a student fails to meet the GPA and/or completion percentage standards they will be given a warning semester during which they are asked to complete a Satisfactory Academic Progress Agreement wherein they meet with their advisor three times over the semester. If the student is not making satisfactory academic progress at the end of the warning semester, the student will become ineligible for federal or state aid. To receive financial aid at this stage, the student must submit an appeal based on extenuating circumstances documenting the reason the student failed to make SAP. The appeal and documentation will be reviewed by the Student Finance Committee for approval. A student who does not meet the prescribed academic plan in subsequent semesters, will be ineligible for further federal and state aid and may not receive federal student aid until SAP standards are met. Students who exceed the number of years for completion of a degree must complete a Satisfactory Academic Progress Appeal form to be reviewed by the Student Finance Committee. A hold is placed on the student's federal and state aid until the SAP agreement has been signed, or an appeal has been approved. Appeals may be made for the following reasons: 1) The student has experienced illness; 2) The death of a relative; 3) The student has a degree plan change; 4) The student, out of financial necessity, carried an extremely heavy workload over an extended period of time; 5) Upon recommendation of the Vice President for Academic Administration; 6) At the discretion of the Assistant Financial Vice President for Student Finance.

Tuition Equalization Grant (TEG) Requirements

Additional requirements apply to recipients of the Tuition Equalization Grant (TEG). At the end of an academic year in which the student receives a renewal award, the student must have completed 24 credit hours of coursework during the renewal year, and have a cumulative GPA of 2.5 or greater, with a 75% completion rate. These students may receive TEG for no more than five years for a 4-year degree program and three years for an associate degree program from the date of the first award. A student may appeal to receive a renewal TEG if they did not meet the requirements and there were circumstances that prevented them from attaining the required hours or GPA. In the event of hardship or other good cause, the Student Finance Committee may allow an otherwise eligible person to receive a TEG while enrolled less than three-quarter time or if the student's grade point average or number of hours completed falls below the satisfactory academic progress requirements.

Financial Aid Disbursement

Federal Pell Grant/Federal Supplemental Educational Opportunity Grant/Texas Tuition Equalization Grant -award is divided over two semesters. The Business Office transfers funds directly to the student's account.

Federal Direct Loan, Federal Unsubsidized Direct Loan, Federal PLUS Loan - one-semester loans will be disbursed in two disbursements, one at the beginning of the semester and one midway through the semester. The first loan disbursement for a freshman, first-time borrower will be made 30 days into the first semester. The Business Office transfers funds directly to the student's account.

Federal and Texas Work Study - student receives their compensation through the Business Office at regularly scheduled payroll periods.

Veteran's Benefits

Students with previous military experience may be eligible for certain benefits. Contact the Department of Veterans Affairs (VA) records center and obtain a certificate of eligibility before school begins. Bring the certification to the Southwestern Adventist University Records Office. After registration, notification of enrollment will be sent to the VA.

Student Employment

Southwestern Adventist University is committed to providing a campus job to any student taking six or more credit hours. Students apply for a job by going directly to the department for which they wish to work, or by contacting the [Student Employment Office](#). Many campus

jobs will require that the student arrange a class schedule that will allow them to work all morning or all afternoon each weekday. Campus employment requires completion of the Federal I-9 form once the student has made arrangements with a department to work. The I-9 form MUST be turned in before the student can begin working. A student should be prepared to show documentation of identity and employment authorization. Original documents are mandatory, copies will not be accepted. Students will submit I-9 documentation to Campus Service.

Departments that hire students include:

- Academic Departments
- Administrative offices
- Building maintenance
- Cafeteria
- Custodial
- E.G. White Research Center
- Grounds
- KGSW Channel 18.1
- Laboratories
- Library
- Media services
- Radio Station 88.3
- Residence Halls
- Security
- Switchboard

Other options may be available through the [Campus Services Office](#) located next to the Student Center. You may reach this office by calling (817) 202-6240, during office hours.

Students who have a balance on their school bill can receive up to 20% of their paycheck. Students receive their school compensation through direct deposit at regularly scheduled payroll periods processed by the Business Office at regularly scheduled payroll periods. All students must submit their direct deposit information on Portal before they begin working.

Tuition Discounts — Canadian Discount

Canadian citizens residing within Canada are eligible for a \$2,000 discount per year.

Tuition Discounts — Lab School Graduate Students

Students who teach for one of the University's lab schools, a school in a district that has a contract with the Education Department for student teaching, will receive a 50% tuition discount for graduate classes taken on campus. SWAUonline classes will be assessed an additional fee of \$65 per credit hour.

Tuition Discounts — Post-baccalaureate Student (PBS)

Post-baccalaureate students receive a 50% tuition discount for undergraduate courses. This does not include classes in nursing, student teaching, independent study, discounted tuition rates, or SWAUonline. Likewise, private lessons, audits, fees, and laboratory charges are not discounted. See page 11 for the definition of PBS. Students receiving the PBS discount do not qualify for other University scholarships.

Scholarships

Scholarships are divided and distributed equally over the fall and spring semesters and are not applicable for summer sessions.

Southwestern scholarships, subsidies and awards cannot exceed costs for tuition (for 12-17 hours) technology and student association fees.

Scholarships listed here are available for full-time students taking 12 or more hours each semester at Southwestern's campus.

Southwestern reserves the right to change or amend any of the scholarship policies at any time.

Freshman Awards

A freshman student may qualify for one award from this category. To receive this award, a student must be enrolled for 12 or more credit hours each semester. Scholarships are disbursed over two semesters in an academic year.

Award

Southwestern Award of Excellence \$8,000 Trustee \$7,000 Presidential \$6,000 Academic Dean \$4,000 Achievement \$3,000, Admission \$2,000

These awards include \$1,000 credited to tuition costs if the student lives in the residence hall. These awards are determined through a combination of the senior mid-year high school cumulative GPA + SAT/ACT scores.

The GPA is multiplied by 12.5. The ACT is multiplied by 1.4 or the SAT (combined Math and ERW scores) is divided by 35.5. The sum of the GPA and test calculation give a score that determines the award: Southwestern Award of Excellence 91-100; Trustee Award 85-90; Presidential Award 80-84; Academic Dean Award 70-79; Achievement Award 60-69.

Students can receive a renewal scholarship for three years provided they meet these criteria. Students must have at least one semester during consecutive fall and spring semesters with the following GPA's:

1. 3.5 or greater for the Southwestern Award of Excellence; Trustee Award
2. 3.25 or greater for the Presidential Award
3. 3.0 or greater for the Academic Dean Award
4. 2.5 or greater for the Achievement Award
5. 2.0 or greater for the Admission Award

Students increase their renewal scholarship up to the Presidential Award level by improving their GPA. The scholarship increases to the next higher scholarship level when the student:

1. Reaches the minimum GPA requirement of a higher scholarship during consecutive fall and spring semesters in a single academic year, and
2. Completes 12 or more hours of course work each of these two semesters.

Likewise, if a student has consecutive fall and spring semesters in an academic year below the expected minimum, the student will drop to the next lower scholarship.

Students who begin attending Southwestern in their first year of college but do not earn a scholarship for their freshman year, have a second chance for a scholarship based on their college GPA following the guidelines stated above.

A break in residency to attend another college or university may affect the renewal of these scholarships.

Leadership Scholarships

These scholarships are awarded to incoming freshmen at Southwestern, renewable for up to three years and are over and above any Southwestern academic scholarship for which the student qualifies for. If a student has held more than one office, only one scholarship can be awarded and will be given for the highest office held.

Award

- Student Association President \$1,000
- Senior Class President \$1,000
- Senior Class Valedictorian \$1,000

Award

- Senior or Junior class officer \$1,000
- Student Association officer \$1,000
- Leadership - Church/External \$1,000
- Pathfinder Team Leadership Training \$1,000
- Certificate (TLTC) or Master Guide \$500

Honors Scholarship

Honors Scholarships are given to students who are enrolled in the Honors Program and whose grade classification is above the freshman level:

- Sophomore \$500

- Junior \$1,000
- Senior \$2,000

The final \$1000 of the senior award is given only after the student has completed his/her senior thesis.

Southwestern Scholars

Southwestern Scholars Award - includes all Southwestern Scholarships \$22,836 (Full tuition) awarded to students who achieve the level of

- Finalist in the National Merit or National Achievement Programs
- Semifinalists are awarded \$11,418 (Half tuition)
- National Hispanic Scholar in the National Hispanic Recognition Program
- 99.5 percentile on the ACT or SAT (an ACT composite of 34 or a combined SAT ERW and math score of 1520), Test scores must be from a single national test date.

This scholarship is renewable if the student maintains a 3.5 cumulative GPA and enrolls for 12 or more hours each semester. Transfer students who were recognized by the National Merit organization as a Finalist or National Hispanic Scholar in the National Hispanic Recognition Program and who have at least a 3.5 cumulative GPA are also eligible for this award. Semifinalist who have at least a 3.5 cumulative GPA are eligible for half tuition. This scholarship, along with all other Southwestern scholarships, cannot exceed tuition. Likewise, credit balances from Southwestern scholarships and resources other than loans will result in a reduction of this scholarship. Students who qualify for both the Freshman Award and the Southwestern Scholars Awards, receive the higher of the two.

Transfer Scholarship

A transfer student, pursuing a first baccalaureate degree, with at least 24 cumulative college credits from other colleges may qualify for one of the following scholarships:

1. \$4,000 if cumulative GPA from prior colleges is 3.75+
2. \$3,500 if cumulative GPA from prior colleges is 3.50-3.74
3. \$3,000 if cumulative GPA from prior colleges is 3.00-3.49
4. \$2,000 if cumulative GPA from prior colleges is 2.75-2.99

All official transcripts from all previously attended colleges must be on file with Southwestern before this scholarship will be awarded. To receive this scholarship, a student must be enrolled for 12 or more credit hours each semester. This scholarship is renewable for four semesters for students transferring 24-55 credits, and two semesters for students transferring 56-89 credits. The scholarship is not renewable for students transferring 90+

credits. This scholarship is renewable only for students who are in good academic standing, who maintain a commendable citizenship record.

Need-Based Scholarships

Need-based scholarships are given to students needing additional help with expenses after the student has pursued all other sources of aid, including loans. Students who have a private residence hall room or excessive miscellaneous charges such as fines, should not expect that they will be given need-based aid.

3-Way Match Scholarship

A 3-Way Scholarship allows a student's family, church or a concerned person, and Southwestern Adventist University scholarship funds to assist with payment of the Southwestern student account. It is the responsibility of the student to obtain a commitment from two different sources. Students with special donor billing conditions must submit information to student accounts by the second week of classes, to provide ample time for timely receipt of funds. Thus, contributions of \$500 each from two different sources may be matched by \$500 from the university. While \$500 is the maximum award, smaller 3-Way donations can also be matched.

It is important to note that application for these funds does not mean automatic approval of the Southwestern matching portion. This match is put on the student's account after the student's final payday each semester, and is subject to the following criteria: a) application and acceptance for federal/state grants and loans, b) unmet need by the federal aid calculation, and c) unmet expenses after all other aid and student earnings. A student who has a private residence hall room has excessive miscellaneous charges such as fines, or receives educational allowance, is not eligible to receive a 3-Way Scholarship match. To receive the Southwestern match, all contributions must be received by December 1 for fall semester and April 1 for spring semester.

Callicott Scholarship

The Callicott Scholarship is available to students who may need assistance after federal, state, and institutional aid. Applicants must be working, placing earnings on their accounts, have applied for federal/state grants and loans for which they are eligible, and have a minimum GPA of 2.0. This scholarship is awarded late in the semester. A thank-you note is required.

Pechero Family Scholarship

The Pechero Family Scholarship is need-based, and offered to residents of the following Texas counties: Bee, Bexar, Calhoun, Cameron, Galveston, Harris, Hidalgo,

Jackson, Nueces and Willacy. A limited number of these scholarships are available and applicants will be individually evaluated as to eligibility. The evaluation takes into consideration application for and acceptance of federal/state grants and loans, expected student earnings and academic standing. Applications may be obtained by contacting Student Financial Services. All awards for an academic year will be determined before the beginning of each fall semester. Students may receive this award for up to four years. An application is required each year. A thank-you note is required.

Southwestern Union Educational Endowment Scholarship

The Southwestern Union Educational Endowment Scholarship is given only to Seventh-day Adventist students from the Southwestern Union Conference territory who:

1. are enrolled full time at Southwestern Adventist University
2. give evidence of commitment to their local church program and willingness to participate in God's work
3. have an established financial need
4. maintain an acceptable scholarship and citizenship record

Applications may be obtained through Student Financial Services. Yearly awards range from \$300 - \$1000. A thank-you note is required.

General Scholarships

Scholarships in this section have specific eligibility criteria as indicated below. Some of these scholarships require enrollment of at least 12 credit hours for the semester, others will be adjusted for less than full-time study. The combination of scholarships, grants, subsidies and Southwestern discounts cannot exceed charges. Southwestern does not pay its scholarships in cash to the student. Southwestern encourages students and parents to search for scholarships through local service clubs or employers. Scholarship sources can also be found by searching the Internet.

Family Discounts

Three or more students from the same family, each taking at least 12 hours of coursework, will receive a 10% discount on tuition. Two students from the same family, each taking at least 12 hours, will receive a 5% discount on tuition. When students marry, they are no longer eligible for this special discount as a member of their parent's household. Married couples, taking at least 12 hours of coursework each, may receive the 5% discount on tuition. This discount does not apply to PBS or discounted programs.

Music Scholarships

Festival Performance Scholarship Students must audition as part of the Southwestern Music Festival. A number of students are chosen as finalists from the auditions. The selected scholarship finalists will perform at the Festival Showcase Concert on the eve of the festival. Scholarship is based on level of performance.

Student Missionary & Task Force Worker Scholarships

Southwestern awards scholarships to students who successfully complete a full term of service no shorter than 8 months in an approved student missionary or task force program. These awards are evenly divided over the two semesters of the school year immediately following the return of the student missionary or task force worker. Student Missionary \$1,200 and Taskforce \$1,200.

Summer Ministries Scholarships

Southwestern students who work between school years in a summer ministries program (such as at a summer camp or as a literature evangelist) will receive a scholarship worth 75% of whatever portion of their net earnings they apply to their account, up to \$2,000. The student's earnings are applied to the fall semester and the Southwestern match is applied to the spring semester. If the student does not return for the second semester, this scholarship is forfeited. To receive the full scholarship, a student must be enrolled for 12 or more credit hours in the semester. This scholarship will be awarded only in the academic year immediately following the summer work. This scholarship is not available to students taking SWAUonline classes or students receiving the PBS.

Summer Work Scholarship

Students who pay rent for campus housing during the summer, work a certain number of hours at a campus job, and place at least 80% of their earnings on their student account, may be eligible for a scholarship the following year. Applications are available at Student Financial Services.

Working Policy

For clarification of the working policy for any items in the Finance Section of the Bulletin, contact the Assistant Financial Vice President for Student Financial Services.

Endowment Scholarships

To give formal and public recognition for outstanding scholastic achievement, loyalty to university standards, and exemplary citizenship, the University awards named scholarships each year. Recipients are selected based on criteria established by the scholarship donors.

The University is grateful to the donors who support Southwestern students by establishing these endowed scholarships. Those interested in creating a named scholarship may contact the Office of University Advancement.

- Class of '93 Senior Scholarship
- Frank H. Abel Scholarship
- Alumni Honoree Scholarship
- Marvin & Dee Anderson Scholarship
- Victor Baca Scholarship
- Isaac Baker Scholarship
- Norma P. Bartolome Scholarship
- Nathan L. Beebe Scholarship
- Thelma Beem Scholarship
- Jessie Casey Belz Scholarship
- Irene Black Scholarship
- Mardian J. Blair Scholarship
- Board of Trustees Scholarship
- Frances Draper Brennan Scholarship
- Edward & Sylvia Brickman Scholarship
- Raleigh & Edith Burchfield Scholarship
- John & Remy R. Cabansag Scholarship
- T.A. Jack Casey Scholarship
- Frances I. Clark Scholarship
- Jimmie C. Culpepper Scholarship
- John & Joan Curnow Student Missionary Scholarship
- Dino Dig Field Research Scholarship
- Clarence W. Dortch Scholarship
- Judson N. Durrant Memorial Music Scholarship
- Edwards-Wiest Scholarship
- Eli Fund
- El Jean Scholarship
- Entrepreneurship Award
- Joseph & Dina Espinosa Scholarship
- Sadie Goodwin-Richardson Scholarship
- Lessie Culpepper Hagen Scholarship
- Dr. F.E.J. & Marjorie Harder Scholarship
- Orville Lee & Laura Judge Hayes Scholarship
- Alvin C. Heinrich Scholarship
- Dale Heinrich Music Scholarship
- Cecil & Mary Ellen Hopps Scholarship
- James K. Hopps Scholarship
- Claude Hughes Student Help Scholarship
- Victorine Zaidan Kafrouni Scholarship
- Ishak Hanna Kafrouni Memorial Scholarship
- Cecil E. Lambeth Scholarship
- Elder George E. & Pearl Leffler Scholarship
- George E. Leffler Theology Scholarship
- Florence Lemke Nursing Scholarship
- George Mathews Scholarship
- Daniel & Ruth McAdams Scholarship
- Jason Mickley Scholarship
- Raymon & Zora Jean McMullen Scholarship
- Cyril & Marian Miller Scholarship Funds

- Fred B. & Blanche Gilbert Moore Scholarship
- Peggy A. Norris Memorial Scholarship
- Sheree Parris Nudd Communication
- Odyssey Harbor Scholarship
- Shirley Pinterich Scholarship
- Charles Popejoy Memorial Scholarship
- Bruce Prindle Scholarship
- Ed & Janelle Reifsnnyder Scholarship
- V.L. & Alga Robers Scholarship
- Herbert & Irene Roth Scholarship
- Alma Saylor Sandefur Scholarship*
- Carol Sample and Ben R. Condray Scholarship
- Cree & Mildred Sandefur Scholarship
- School of the Prophets Scholarship
- E. Frank & Joy Hargrove Sherrill Scholarship
- Sicher Family Scholarship
- Villa Gillis Sierk Scholarship
- Marc Simpson Memorial Scholarship
- Eugene Sorensen Scholarship
- Spells Family Scholarship
- Wes Stoops Scholarship
- Southwestern Union Scholarship
- Student Association Presidents Scholarship for Leadership
- Grace E. and Eugene V. Thomsen Memorial Honors Scholarship
- Dudley & Reta Kent Tomblinson Scholarship
- Trixie Pearl Scholarship
- Herman & Birdie Walker Scholarship
- Wallen Knight Scholarship
- Weis Heritage Scholarship
- William V. Wiist Scholarship
- Brandon Michael Williams Scholarship
- P. Harlan & Jean Wilson Scholarship
- Paul L. & Dorothea A. Wilson Scholarship
- George W. & Mary A. Winn Scholarship
- Wisdom Nursing Scholarship
- Ernest & Vera Wolfe Scholarship
- Harold L. Wright Scholarship
- Perfil & Pauline Zapara Scholarship

* Scholarships for which students must apply.

Academics

General Academic Information and Policies

Academic Policies

The rules and regulations by which a university operates its program are called academic policies. At Southwestern Adventist University these policies are continually under review by the faculty to assure consistency with the curriculum and fairness to students. The Academic Policies Committee oversees the implementation of these policies.

Academic Semesters

The academic year is divided into semesters:

1. Fall Semester
2. Spring Semester
3. Summer Semester

The **academic calendar** shows important dates and deadlines for each semester.

Attendance Policy

A significant portion of learning comes from the interaction between professors and students. Therefore, attendance is essential to student success. Class discussions, activities, and projects cannot be replicated effectively outside of the classroom environment. Furthermore, students learn valuable interpersonal communication skills only through human interaction. Since attendance is so essential for success, students are expected to take responsibility for being both physically and mentally present in class sessions and to think carefully about their involvement in extracurricular activities when planning out their semester.

The University attendance policy requires regular and punctual class attendance. Class attendance is recorded from the first day of the course in the learning management system. Individual instructors or departments may develop an alternative policy that is more stringent than the official university policy. That policy will be clearly stated in the syllabus, and students are expected to be familiar with the policies of individual courses and departments.

The following attendance guidelines will apply:

- A student in an on-campus course missing a cumulative of 20 percent of the class meetings (including university-approved absences) may be dropped from the course. This will be reflected on the transcript as a "WA" or an "FA" (see below).

- A student in an online course who does not successfully complete at least one assignment by the second week of the term and fails to maintain active course participation may be dropped from the course. This will be reflected on the transcript as a "WA" or an "FA" (see below).

Students who miss an instructional experience are expected to meet with the instructor to discuss their absences as soon as possible. Except for emergencies, the student should make arrangements with his/her teachers prior to any absence.

University-approved absences, which are absences with prior authorization from the administration, will be counted toward the cumulative 20 percent. Students who miss class due to a university-approved absence are allowed to make up assigned coursework. In all other cases, the ability to make up missed coursework, as well as the time and nature of the makeup, is at the discretion of the instructor.

Students who stop attending class for any reason should contact the instructor and the Records Office to officially withdraw from the class. Failure to officially withdraw may result in a failing grade for the course.

Attendance Warning:

If a student misses 15% of class sessions, the professor will create an attendance warning, which consists of two parts.

- The professor will contact the student through Canvas to alert them to their current status and its implications.
- The professor will send an alert through the Canvas Early Alert system (Dropout Detective) which will inform the advisor and CASA director.

In the event of an appeal, this documentation may be made available to the Academic Standards and Practices Committee.

Administrative Withdrawal:

If a student misses 20% of class sessions, they may be subject to an administrative withdrawal. Classes dropped for attendance prior to the last day to withdraw from a course will be noted on the student's transcript as "WA." Classes failed for attendance after the last day to withdraw from a course will be noted on the student's transcript as "FA."

Appeal Process:

If a student feels that their absences are the result of exceptional circumstances, they may complete the process for an appeal by turning in the related form to the Registrar's Office. That petition will be taken to the Academic Standards and Practices Committee, whose decision will be based on the student's statement, a

statement from the professor, and the student's overall participation and performance in the course. The decision of that committee is final.

During the appeal process the student has the right, and the obligation, to continue attending the class(es) in question.

Medical or Emergency Absences:

Students experiencing serious illness (hospitalization or serious injury) or family emergencies must contact the Vice President for Student Services for verification. After verification, the Vice President for Student Services will alert the instructor, who should assist the student in making up missed work or the instructor may average missed work into the student's grade. Faculty members should specify the appropriate time frame for making up missed work.

Class Schedule

Class schedules are available on-line through the student portal. Although every effort is made to be accurate in listing course offerings, the University reserves the right to make essential course changes, to discontinue any course for which an insufficient number of students register, or to change the semester in which a course is offered.

Student Class Load

A student's class load is the total number of credit hours enrolled during a semester.

Class Load	Credit Hours
Part-time	1-5
Half-time	6-11
Full-time	12-17
Overload	18 or more

In order to graduate in 4 years or eight semesters, a student's class load must average 15 credit hours per semester. A class load of 12 credit hours meets the minimum class load requirements for F-1 students, financial aid and veterans.

Overload Policy

First-time freshmen are not permitted to take more than 17 credit hours in a semester. Students desiring to take more than 17 credit hours must have a minimum cumulative GPA of 3.0, permission from their advisor and department chair, and must not have been on academic

warning or academic probation (or returning from academic suspension) the previous semester. No more than 21 credit hours is permitted.

Communication

Every registered student is provided with a Southwestern e-mail account (@swau.edu). Regular notices about assignments, activities, schedule changes, campus closings, and other important matters are delivered via this account. Students should check their Southwestern account at least once a day for these messages. The University views announcements posted here as having been delivered to the student body.

Severe Weather Protocol

In the rare event of severe weather, an announcement will be made indicating that classes will be delayed or cancelled, or that the University will be open as usual on the following day. Students will receive a text alert from the University.

General Enrollment Policies

Registration

Registration is available to all students using the student portal. Official registration dates are published in the academic calendar of the Bulletin. Registration is not finalized until all procedures required by the University are completed and financial arrangements finished. Students who do not receive financial clearance by the first day of classes may have their class registration cancelled. Faculty advisors are assigned to assist students with registration and in planning an academic schedule. Advisor and advisee assignments are maintained by the Registrar and displayed on the student portal. It is important that a student becomes familiar with all degree requirements and understands the responsibility for completing them.

Registration without Official Transcripts

Students accepted on the basis of an unofficial transcript will be allowed to register for classes for one semester. Official transcripts must be on file for a student to register for continuing semesters.

Late Registration

Students may be allowed to register after the first week of the semester for justifiable reasons. They will be charged a late fee of \$200 and must obtain the permission of each instructor involved.

Changes in Registration

Changes in registration may be made according to the following procedures. Classes may be added during the first week of each semester with the approval of the instructor and the student's academic advisor. Students citing unusual circumstances may add a class during the second week of classes with special permission of the instructor. Students may withdraw from individual classes by submitting a change in registration form to the Registrar signed by the student's academic advisor.

Withdrawal from the University

To officially withdraw from the University, a student must obtain a withdrawal form from the Registrar. The withdrawal form must be signed by a Student Finance Advisor and one of the following University personnel: the Vice President for Academic Administration, Vice President for Student Services, or Director of Counseling and Testing. The form must be returned to the Registrar after all signatures are obtained and the withdrawal will be effective as of the date returned. Refunds will be made according to University policy. If a student follows this procedure, a W will be recorded for each class for the semester of the withdrawal. Otherwise, the instructors of the student's classes will submit grades which will be recorded on the permanent record.

Students who officially withdraw will not be permitted to charge for expenses on campus or live in the residence halls after their official withdrawal date.

Individual Study Topics

Offers an individualized opportunity for students to research a specific topic with direction from the instructor. Students desiring to enroll in an Individual Study Topic course must submit a signed [Individual Study Topics form](#), available on the university website, to the Vice President for Academic Administration. All requests must be approved and submitted to the Records Office by the last day to add a class. Eligibility for Individual Study Topics requires a 3.0 GPA in the proposed area of study, a 2.75 cumulative GPA and appropriate class standing or permission of the instructor. All requests must be approved and submitted to the Records Office by the last day to add a class.

Directed Group Study

Provides academic departments an opportunity to offer courses in specialized or experimental areas, either lower or upper division, not listed in the undergraduate Bulletin. Student may be allowed to repeat the course for credit.

Academic Progression

A student may register for upper-division classes (numbered 300 and above) provided that she/he has completed a general education mathematics course, ENGL 121, has completed or is currently registered for ENGL 220, and has completed 30 credit hours of university course work.

Auditing

Students wishing to attend a class for personal enrichment, without completing course requirements, may register for the class on an audit basis with the following provisions:

1. Some courses are not available for audit.
2. The signature of the teacher for the class is required.
3. Registration to audit a class occurs during registration, if space is available. Priority for class registration is given to regularly enrolled students.
4. The level of participation in class requirements and activities is determined by the instructor.
5. Audited classes do not receive university credits and will not fulfill any departmental or university graduation requirements.

Repeating a Course

A course in the major or minor in which a student has earned less than C- must be repeated or, with the consent of the major advisor, may be replaced by another course in the same area. If a student takes a course and then repeats it, the highest grade earned will be used in calculating the GPA, though all grades remain on the permanent record. When a course is repeated elsewhere, both the transfer grade and the original grade of the course taken at Southwestern will be included in the calculation of the cumulative GPA. Students may not receive credit for a course more than once with the exception of music performance and individual study topics, unless specified in the course description. A course may not be repeated for credit by examination, but may be taken at another school.

Semester Credit Hour

One semester hour equals one 50-minute class period per week or three clock hours a week in supervised laboratory work. For each semester hour of academic work earned, a student is expected to spend two clock hours a week in outside preparation.

Independent Class

In certain unusual circumstances that jeopardize a student's academic progress, a catalog-listed course may be offered on an independent basis. An independent class

consists of course work done outside the classroom under faculty supervision. Regular meetings will be held with the instructor. SWAUonline course work and conferences may be used if available and appropriate. Consequently, a course fee for private instruction will be charged in addition to tuition for the course. Generally, an independent class will be offered only if there are irreconcilable class schedule conflicts for juniors and seniors with graduation contracts and alternatives like a class substitution and/ or waiver is not possible. An independent class may only be used to repeat a course with approval from the Records Office. The faculty advisor submits a request on behalf of the student to the instructor of the course and his or her department chair. A [form](#) for this purpose is available on the University's website. The course fee is listed in the finance section of this Bulletin.

Internship

An internship is an on-the-job, career-oriented course for training in the student's major field. The student must make arrangements with his or her major department prior to starting the internship. The student must sign a contract outlining the number of hours they are expected to complete, the written and oral assignments involved, evaluations required, etc. Registration must be completed within one academic year of the completion of the internship.

Grade Point Average

Two grade point averages are maintained by the University: (1) a semester average based on courses taken during a particular term, and (2) a cumulative average based on all college level work recorded on the transcript.

A student's grade point average (GPA) is computed by dividing the number of grade points by the number of credit hours attempted.

Grade Reports

Mid-term and final grade reports are available to students and advisors through the student portal. Students should check their grade reports carefully. If a student believes any part of the report is incorrect, the corrections must be made within 3 months, unless subject to the [Academic Appeals Procedure](#). Only the end-of-semester grades are recorded on the permanent record.

Grading, Recording & Qualifying Policies

Grade Point Average

Two grade point averages are maintained by the University: (1) a semester average based on courses taken during a particular term, and (2) a cumulative average based on all college level work recorded on the transcript. A student's grade point average (GPA) is computed by dividing the number of grade points by the number of credit hours attempted.

Grade Reports

Mid-term and final grade reports are available to students and advisors through the student portal. Students should check their grade reports carefully. If a student believes any part of the report is incorrect, the corrections must be made within 3 months, unless subject to the [Academic Appeals Procedure](#). Only the end-of-semester grades are recorded on the permanent record.

Grading System

Grade Symbol Grade Points

A	4.0
A-	3.7
B+	3.3
B	3.0
B-	2.7
C+	2.3
C	2.0
C-	1.7
D+	1.3
D	1.0
D-	.07
F	0.0
FA	0.0
	(Failure due to attendance)
P	Pass (represents grade of C or better)
NP	No Pass
I	Incomplete
W	Withdraw
WA	Withdrawn attendance
AU	Audit
IP	In Progress
NC	No Credit
NR	Not reported by instructor
CR	Credit by examination (represents grade of C or better)

Incomplete Grades

A temporary grade of incomplete may be awarded only upon approval and submission by the faculty member involved. Incompletes may not be entered on the faculty portal and are submitted directly to the [Registrar](#). An incomplete grade of I indicates that the student was unable to complete all of the class work because of illness or other unavoidable circumstance. The student must complete the remaining required work no later than nine weeks from the end of the semester during which the course was taken. This due date is published in the academic calendar of this Bulletin. The instructor must submit a grade to replace the incomplete by the end of the semester during which the student completes the class. If the circumstance is of such a nature that it may

require additional time, the student must submit a request for an extension to the Academic Standards and Practices Committee.

In Progress Grades

A temporary grade of In Progress (IP) may be awarded for courses that are designed to be completed over more than one semester, as indicated in the University Bulletin. The student must complete the remaining required work no later than the end of the following semester (including summer). At that time, a final grade must be reported by the instructor. If a final grade is not reported, the IP grade will be administratively changed to a grade of "F" or "NP".

Grade Changes

A grade may be changed only by the instructor responsible for the class. Changes in a grade are made by submitting a change of grade to the Registrar on a [form](#) available on the University's website. A student who feels that an improper grade has been received must notify the faculty member immediately upon receipt of the grade. All grades are final three months after they are posted.

Transcript

Southwestern Adventist University transcript services are provided by [Parchment Exchange](#) - including requests and payment. Costs: electronic transcripts - \$5 and paper mailed transcripts - \$7. There may be additional charges for overnight and international mailings. A transcript is not released if a student's financial account is not paid in full.

Classification of Students

Class standing is calculated after each semester grading period.

- **Freshmen** have completed 0-23 hours
- **Sophomores** have completed 24-55 hours
- **Juniors** have completed 56-89 hours
- **Seniors** have completed 90+ hours

Residency

A student in residence is someone who is regularly and continuously enrolled for classes at the University. A student breaks residence by not registering for classes for two or more semesters.

Academic Commendations & Sanctions

Students who are not making satisfactory progress are subject to Academic Sanction Policies involving four increasingly serious steps: Academic Warning, Academic Probation, Academic Suspension, and Academic Dismissal.

Dean's List/Dean's Distinguished List

The Dean's Distinguished List is for students who have a semester GPA of 3.75 to 4.00 on at least 12 hours of completed college level class work. The Dean's List is for students who have a semester GPA of 3.50 to 3.74 on at least 12 hours of completed college level class work. On both lists, at least 12 hours of the class load must be graded courses, not pass, credit, or other such designations, and there may be no incompletes. Special recognition is given at the end of each semester to students having high GPAs. These include the Dean's List and the Dean's Distinguished List.

Academic Warning

When a student's semester GPA falls below 2.00 while the cumulative GPA remains above 2.00, or in the case of a first-time freshman, the semester GPA and the cumulative GPA fall below 2.00, the student and the advisor will receive a letter indicating the student has been placed on Academic Warning. There are no restrictions on registration but the student will be encouraged to enroll in UNIV 011 University Strategies the next semester.

Academic Probation

When a student's cumulative GPA falls below 2.00 (except in the case of a first time freshman as noted under "Academic Warning"), or when the student's semester GPA falls below 2.00 for two consecutive semesters, that student is placed on Academic Probation. Transfer students admitted to Southwestern with a GPA lower than 2.00 will also be placed on Academic Probation. The probationary status is communicated in writing to the student and the advisor. The Vice President for Academic Administration and the Center for Academic Success and Advising will monitor the student's progress during the probationary period. A student on Academic Probation must be aware that her/his academic career is in serious jeopardy and that some programs and activities, including financial aid, may not be available.

Academic Probation includes the following conditions designed to help students improve their academic performance:

1. Late registration is not allowed

2. Enrollment is limited to 13 semester credit hours and emphasizes repeating classes for which D or F grades were received
3. Enrollment in UNIV 011 University Strategies, unless completed previously
4. A biweekly conference with the Center for Academic Success and Advising
5. Completion of all registered classes with minimum term GPA of 2.0

A student meeting these conditions continues on academic probation until the cumulative GPA reaches 2.00.

Academic Suspension

A student who fails to meet the probation conditions during any probationary semester will be placed on Academic Suspension for one semester. During the suspension period the student may not register for classes at Southwestern Adventist University. A suspended student may apply for readmission to Southwestern Adventist University after successfully completing at least one 12 semester hour term at another school.

Academic Dismissal

Suspended students who are readmitted and who then fail to raise their cumulative GPA, or have a deficiency which makes it unreasonable to anticipate eventual completion of degree requirements, will be academically dismissed. Dismissal is a permanent dismissal from the institution. Students academically dismissed may not reenroll in the institution at any time.

Final Examinations

In order to complete the semester, each student must take final examinations as scheduled. The final examination schedule is part of the class schedule and is available to students and faculty through the portal. **It is the student's responsibility to arrange travel in a manner that will not interfere with the examination schedule.** Requests for modification of a student's final examination schedule because of unforeseen emergencies must be arranged through the Academic Standards and Practices Committee. An exception form may be obtained from the [Registrar](#).

Multiple Exams

Students having three or more final exams on the same day may make arrangements with the instructor and the Vice President for Academic Administration two weeks in advance to reschedule one exam at another time during exam week. Forms may be obtained in the Vice President for Academic Administration's Office.

Proficiency Exams

The University recognizes certain examinations as a demonstration of proficiency for challenging, validating, or waiving classes. An enrolled student wishing to take an examination must apply. Application forms for challenge, validation, and waiver examinations are available on the [Records website](#). Fees for these examinations are listed under Other Expenses in the Finances section of the Bulletin. Proficiency examinations, if completed successfully, will result in credit recorded on the academic transcript.

General Examination Guidelines

1. A student must have approval for an examination on file with the Registrar before an examination may be recorded on the transcript or degree audit.
2. Credit for a challenge examination may be earned only if a student has not already earned credit in a similar course, taken advanced courses in the area, or withdrawn from the course.
3. Examinations may not be retaken.
4. Examinations may not be used to repeat a course which has been audited or taken for credit.
5. Grades are recorded for University-prepared challenge examinations and scaled scores are recorded for AP and CLEP examinations.
6. CLEP examinations, with the exception of foreign languages, must be taken during the first year of residency.
7. All proficiency examinations must be completed prior to the final two semesters of residence.

Advanced Placement Exam

The University will grant credit for successful completion of Advanced Placement courses and examinations taken during high school on the following basis:

1. The passing level for all examinations is a score of 3, 4, or 5.
2. The transcript will indicate that AP credits have been completed by examination. Students must have official scores sent directly to the Registrar for evaluation.
3. Maximum of 6 hours of AP history and government credit will be applied toward a history or social science major or minor.

AP examinations are taken by students in high school and credits are evaluated and transferred as part of the admissions process. These credits are recorded on the transcript and are available to the student and academic advisor through the web portal. There is no fee for recording these credits. A detailed list of the AP examinations, the required scaled score, and the credit award is available on the University's website and from the Registrar.

CLEP

College Level Examination Program or CLEP examinations are available through the University Counseling and Testing Center. Students must have official scores sent directly to the Registrar for evaluation. A detailed list of the CLEP examinations, the required scaled score, and the credit awarded is available on the University's website and from the Registrar. There is a CLEP examination fee and a recording fee.

Challenge Exam

The faculty of the University may upon request agree to prepare a challenge examination. Although not all classes can be challenged, a currently enrolled student may submit a request for the preparation of a challenge exam. Forms for this purpose are available from the [Registrar](#). There is an examination preparation fee and a recording fee.

Validation Examinations

Students who have transcripts from non-accredited colleges, transcripts showing nontransferable college courses, or transcripts from an international college or university may be required to take validation exams. Upon successful completion of the examination, the credit will be transferred and recorded on the student's permanent record. The Registrar will assist the student to have an examination prepared and administered. There is an examination preparation fee but no recording fee.

Waiver Examinations

A student may meet an academic requirement such as general education or a course prerequisite by passing a waiver examination. Successful completion of the examination waives

the curricular requirement but does not result in credit earned. Thus, it does not reduce the total number of semester credit hours required for a degree, but it will increase the available number of elective hours. The results of a waiver exam are recorded on the student's degree audit but not on the permanent record or transcript. Students must be currently enrolled to be eligible to submit a request for the preparation of a waiver examination. Forms for this purpose are available from the [Registrar](#). There is an examination preparation fee but no recording fee.

Transfer Credit

Generally, college-level courses will transfer if completed with a C- grade or higher through a regionally accredited college. Because of differences in degree requirements and course content, all credits may not apply toward

specific graduation requirements. Vocational credits may be accepted for transfer in areas of study offered by the University. Developmental courses, including most English as a Second Language courses, will not be accepted for transfer credit. Although permission to register for off campus classes while enrolled at the University is not required, the registrar will, upon request, verify the transferability of a course offered at another institution. The residency requirement for all baccalaureate degrees is that the last 36 credit hours earned prior to graduation must include 30 credit hours in residence. This requirement limits transfer credit to 6 semester hours during this time period. The residency requirement for all associate degrees is that the last 15 credit hours earned prior to graduation must include 12 credit hours in residence. This requirement limits transfer credit to 3 semester hours during this time period.

Courses from a previously earned bachelor's degree will be evaluated on an individual basis to determine applicability to degree requirements. A student with a bachelor's degree from a United States, regionally accredited, post-secondary institution will be considered to have fulfilled the general education requirements with the exception of religion courses. This is also the case if a student has an associate of science degree which includes the baccalaureate general education core for a particular state higher education program.

Credit may be accepted from certain unaccredited post-secondary institutions. Students requesting transfer credit from an unaccredited school must have successfully completed a minimum of 12 semester hours with a grade point average of at least 2.00 in residence at Southwestern Adventist University. Validating examinations may be required for such transfer credits at the discretion of the Registrar.

Credit for Military Service Schools

The University follows, with limitations, the recommendations of the American Council of Education as published in the Guide to the Evaluation of Educational Experiences in the Armed Forces in granting credit for military service schools. At a minimum, the following limitation applies.

Courses must be in the baccalaureate/associate degree category as defined by the ACE Guide. This precludes acceptance of vocational, technical or certificate category courses, or military occupational specialties or job experience.

For consideration of credit from military service schools, the applicant may submit the following military records:

1. A certified original of the DD Form 295, or
2. A copy of the DD Form 214, or
3. Course completion certificates.

The Assistant Director of Records will assist persons eligible for veterans educational assistance benefits.

Quality Enhancement Plan (QEP)

Southwestern Adventist University's Quality Enhancement Plan, "Whole-Person Wellness," is designed to strengthen student commitment to a healthy lifestyle by impacting knowledge, attitude and practice, which are transformative steps of change.

QEP Outcomes

1. Students will be able to demonstrate an understanding of whole-person wellness principles as exemplified in the CREATION Health model.
2. Students will be able to apply the principles of whole-person wellness to their daily lives.

QEP Curriculum Four-Year Matrix

Freshman

- UNIV 111 Wellness for Life (2 credits)

Sophomore

- One KINA activity course (1 credit, General Education)

Junior/Senior

- One KINA activity course (1 credit, General Education)

Assessment

Students will complete both quantitative and qualitative assessments throughout the QEP curriculum

Summer Bridge

Students who wish to enroll at Southwestern, but fail to meet one of the two minimum admission requirements (GPA or SAT/ACT) must participate in Summer Bridge. Learning takes place in a three-week session prior to the beginning of the freshman year and provides developmental learning support in the areas of math, reading, and writing. At the end of the session, student progress will be assessed and students will receive new course placements for Fall Semester. Students attending Summer Bridge receive one credit hour that will apply toward the requirements for a degree.

The [Center for Academic Success and Advising \(CASA\)](#) supports the work of the faculty academic advisors with Summer Bridge students. Students in this program may have reduced course loads, restrictions on extra-curricular activities, and required dormitory residency. CASA schedules regular academic counseling sessions for each student in the program to make sure that she/he is

benefiting from mathematics tutoring, the Write Spot writing center, career counseling, and other programs provided by the University to enhance academic success.

Adventist Colleges Abroad

Through [Adventist Colleges Abroad \(ACA\)](#), qualifying Southwestern students may elect to take a year out of their curriculum to become immersed in a foreign culture and learn a foreign language. Applicants for this program need not be language majors. A current list of ACA summer and full-year programs and admission requirements can be found at [ACA's website](#).

Student Missions Program

Following the call of Matthew 28 to go into all the world, the [Student Missions Program](#) is a chance for students to experience being a student missionary or Taskforce worker for 9-12 months.

The benefits of going as a student missionary or Taskforce worker include improving your Christian walk, travel, learning about a new culture and language, new friends, scholarships, and strengthening personal resumes. Check out www.hesaidgo.com for more information.

Academic Integrity

Southwestern Adventist University was founded by the Seventh-day Adventist Church in order to educate its students academically and spiritually for Christian service. The ethical training of students is as important as their academic competence. Academic integrity rests on honesty, the first principle of the Christian life. Students must be honest in their dealings inside and outside the classroom.

Students must maintain a high ethical standard in their academic work. When a student turns in work for credit in the classroom, that work must be the student's own. Students have access to some forms of authorized assistance. Authorized assistance may come in the form of tutoring by official university tutors, help from the professor, or the legitimate use of outside sources which are cited according to standard form. Other forms of outside assistance are unauthorized, for example, having another person complete all or part of an assignment, taking material from the Internet or other sources without citing it, or bringing unauthorized materials into an examination. Unauthorized help, in these and other forms, constitutes academic dishonesty.

General Responsibilities of Students

1. Students must produce their work independently, except when the professor has assigned the work as a group project.

2. Students must not represent work as their own which is not their own.
3. Students must not aid others in academic dishonesty.

Examples of Violations

What follows are examples of academic dishonesty which will jeopardize a student's standing in the classroom and at the University. This is a representative list only, not an exhaustive one.

1. **Misusing Sources of Information (Plagiarism).** When using outside sources in a paper, students must cite the source plainly in the text of the paper and on a references page, using the style which their professor requests. Failure to cite sources properly may result in failure on the paper or in the class. Students must cite the source when quoting, when paraphrasing, or even when using an idea which is unique to that source. If a student fails to do so, he or she may be subject to failure in the class. Fabricating a quotation, a paraphrase, or any part of a bibliographic reference also constitutes academic dishonesty. Students may not turn in written work as their own which was produced wholly or partly by others. If a student will receive credit for the work, the student must have, in fact, done the work. Students may not turn in material taken from the Internet as their own work, whether the material was taken from a free website or a pay service. Repeated acts of plagiarism may result in expulsion from the University.
2. **Multiple Submissions.** Students may not submit papers or assignments for credit that have already been submitted or are in the process of being submitted for another course.
3. **Misrepresenting One's Work.** Work that is assigned to the student must be done by the student. Homework assignments in any subject area must be the work of the student getting the credit and must not reflect unauthorized help from others.
4. **Using Unauthorized Materials During an Examination.** Unless the professor indicates otherwise, students should assume that the use of notes, textbooks, the Internet, databases, calculators, or any other outside sources of help during an examination, will constitute academic dishonesty.
5. **Exchanging Information During an Examination.** Students may not share information with each other in any form or by any means during an examination. Talking or signaling in any manner during an examination may result in failure on the examination. Obtaining information from another student's paper by any means during an examination is a violation of academic integrity.
6. **Tampering with Computers.** Students may not access faculty computers by any means in order to obtain advance copies of tests or quizzes, alter grades on an online grade book, or for any other purpose.
7. **Forging a Signature.** Students may not sign anyone's name but their own on any advisement form, registration form, exceptions form, or any other document for any purpose whatsoever.

8. **Aiding Others in Academic Dishonesty.** Students who enable others to misrepresent their work are also guilty of academic dishonesty and may be penalized as if they had misrepresented their own work. No student may do the class work for which another student will get credit, except in those cases when the professor has assigned work to be done in a group.

Procedure to be Followed in Cases of Academic Dishonesty

Professors have discretion in the classroom when academic integrity has been violated. The class syllabus should contain a statement on how violations of academic integrity will be treated. A first case of academic dishonesty may be handled by the professor, but will be reported to the Vice-President for Academic Administration using the University's "Academic Integrity" form. A second offense may be handled by the Vice-President for Academic Administration in conjunction with the professor. Students may appeal a decision made by either the professor or the Vice-President for Academic Administration by following the student academic appeals process as outlined in this bulletin under "Student Rights' and Appeals Policies."

Student Rights & Appeals Policies Student Academic Appeals Process

A student who feels that he or she has been treated unfairly or unjustly by a faculty member of the university with regard to an academic process has the right to appeal according to approved procedure. Specific grounds for an appeal include one or more of the following occurrences:

- (1) that a computational/recording, or other technical error has been made but has not been acknowledged by the instructor;
- (2) that the grade has been assigned in an arbitrary, capricious, or vindictive manner, or in a manner intended to inappropriately manipulate or control the student;
- (3) that the assigned grade does not reflect the grading criteria in the course syllabus; or
- (4) that published department policies have not been followed.

Matters not Grievable

University policies, regulations or procedures adopted by the University and/or the Board of Trustees are not

subject to the grievance process. Students may request discussion and recommend changes to such policies, but this dialogue is advisory and not grievable.

Initial Appeals Procedure

1. To initiate the appeals procedure, the student must talk with the course instructor for explanation/review of the decision within three (3) University days of the occurrence. (University days are defined as time during the fall, spring or summer semester that the academic program is in session from registration through final exams).
2. If the problem is not resolved within two (2) University days of talking with the course instructor, the student must obtain an Academic Appeals Review Form from the course instructor's department chair. Within two (2) University days, the student must submit the form with a written summary and talk to the instructor's department chair. The chair has two (2) University days to respond to the student. This completes STEP I on the Academic Appeals Review Form.
3. If the problem is not resolved, the student has two (2) University days from receipt of the chair's decision to contact the Vice President for Academic Administration, providing the written summary of the complaint and the academic appeals review form. Within two (2) University days the Vice President for Academic Administration will provide a written decision. This completes STEP II on the Academic Appeals Review Form.

Formal Appeals Procedure

If the problem is not resolved with the decision of the Vice President for Academic Administration, the student may file a formal grievance. A formal grievance is a serious matter and should be done with careful consideration.

Within two (2) days of the Vice President for Academic Administration's decision, the student must request in writing to the Vice President for Academic Administration a formal hearing before the Grievance Committee, an ad hoc subcommittee of the Academic Policies Committee. The Grievance Committee will meet within three (3) days of the request to hear the student's case and will issue a decision which will constitute final action by the University. This completes STEP III on the Appeals Review Form.

Withdrawal of Grievance

At any time during the grievance procedure, the student may withdraw the complaint. Additionally, missing a deadline or failure by the student to appear for any scheduled hearing without prior notification or evidence of extenuating circumstances, shall constitute final action by the University.

Student Records - Student Rights (FERPA)

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. They have:

1. The right to inspect and review their education records within 45 days of the day the University receives a request for access. Students should submit to the registrar, head of the academic department, or other appropriate official, written requests that identify the record(s) they wish to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.
2. The right to request the amendment of the student's education records that the student believes are inaccurate or misleading. If the University decides not to amend the records as requested by the student, the University will notify the student of the decision and advise the student of his/her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.
3. The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent. One exception which permits disclosure without consent is disclosure to school officials with legitimate education interests. A school official is a person employed by the University in an administrative, supervisory, academic research, or support staff position (including law enforcement unit personnel and health service staff); a person or company with whom the University has contracted (such as an attorney, auditor, or collection agent); or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his/her professional responsibility. FERPA permits the University to disclose any and all education records, including disciplinary records, to another institution at which a student seeks or intends to enroll.
4. The right to file a complaint with the U. S. Department of Education concerning the alleged failures by Southwestern Adventist University to comply with the requirements of FERPA. The name and address of the office that administers FERPA is: Family Policy Compliance Office U.S. Department of Education 400 Maryland Avenue, SW Washington, DC 20202-4605 The University may, at its discretion, publish or release the following information without

prior consent unless the student requests in writing that certain information be withheld: Student name, address, telephone listing, enrollment status, class, major field of study, most recent previous school attended, photographs, date and place of birth, participation in officially recognized activities, e-mail address, dates of enrollment, anticipated date of graduation, degrees, awards and honors. The Registrar is responsible for compliance with the provision of this Act. Questions concerning the Family Education Rights and Privacy Act may be referred to the Records Office.

Student Records - Southwestern Adventist University Rights (FERPA)

The Family Educational Rights and Privacy Act (FERPA) provides ways in which the University may share information with parents without the student's consent. For example:

1. The University will disclose education records to parents, upon request, if the student is a dependent for income tax purposes.
2. The University will disclose education records to parents if a health or safety emergency involves their son or daughter.
3. The University will inform parents if the student who is under age 21 has violated any law or its policy concerning the use or possession of alcohol or a controlled substance.
4. A University official will generally share with a parent information that is based on that official's personal knowledge or observation of the student.

The University will disclose to an alleged victim of any crime of violence or non-forcible sex offense the final results of a disciplinary proceeding conducted by the University against the alleged perpetrator of that crime, regardless of whether the institution concluded a violation was committed. The University may disclose to anyone -not just the victim -the final results of a disciplinary proceeding, if it determines that the student is an alleged perpetrator of a crime of violence or non-forcible sex offense, and with respect to the allegation made against him or her, the student has committed a violation of the University's rules or policies.

Course Numbering System

All courses are prefixed with the subject, such as ENGL, MATH, CHEM, etc. This abbreviation is followed by a three position number. Course numbers are intended to guide students and advisors in appropriate course selection.

Code Description

000-099 Developmental classes. Do not meet graduation requirement and cannot be

transferred.

100-199 Courses primarily for first-year students and General Education.

200-299 Courses primarily for sophomores and juniors.

300-499 Courses primarily for juniors and seniors.

500+ Graduate level courses.

Courses separated by a comma mean that course content is covered sequentially and that normally the courses are taken in sequence, but that they can be taken out of sequence.

Explanation of Abbreviations

1. Lec - the number of 50-minute lecture periods per week.
2. Lab - the number of clock hours in laboratory per week.
3. u.d. - upper division. i.e., courses numbered in the 300 and 400 range.

Semester Course

Following the course description will be the term indicating which semester course is generally taught.

1. (Fall) - taught every fall semester
2. (Spring) - taught every spring semester
3. (Fall, odd years) - taught fall 2019, 2021, etc.
4. (Fall, even years) - taught fall 2020, 2022, etc.
5. (Spring, odd years) - taught spring 2019, 2021, etc.
6. (Spring, even years) - taught spring 2020, 2022, etc.
7. (Fall, Spring) - taught every semester
8. (Summer) (Offered periodically)

Programs

Bachelor of Arts (BA)

- Biology
- Chemistry
- Communication - emphasis in Advertising and PR, Online Media, Radio-TV-Film
- English
- English - emphasis in writing
- History
- History, International Relations, and Public Policy
- History - Secondary Certification
- Interdisciplinary Studies
- Life Science - Secondary Certification
- Mathematics
- Music
- Religion
- Theology

Bachelor of Applied Arts and Sciences (BAAS)

Bachelor of Business Administration (BBA)

- Accounting
- Digital Marketing
- Esports & Gaming
- Finance
- Human Resource Management
- International Business
- Marketing
- Management
- Management Senior Living Administration
- Operations Management
- Professional Accounting
- Dual Concentration

Bachelor of Music Education (BME)

Bachelor of Music (BMus)

Bachelor of Science (BS)

- Biochemistry
- Biology - emphasis in Biomedical, Ecology and Conservation Biology, Integrative Biology
- Business
- Chemistry
- Communication emphasis in Advertising and PR, Online Media, Radio-TV-Film
- Computer Science
- Computer Science emphasis in Cybersecurity
- Criminal Justice
- Elementary Education
- Exercise Science
- General Studies
- Health and Fitness
- Interdisciplinary Studies
- Life Science - Secondary Certification
- Mathematics
- Mathematics - Secondary Teaching Area
- Medical Laboratory Science
- Nursing

- Physical Science
- Physical Education
- Pre-Law
- Psychology
- Psychology - emphasis in School Guidance
- Sports and Fitness Management
- Social Science
- Social Studies - Secondary Certification

Associate in Science (AS)

- Health and Fitness
- Computer Science

Associate of Science (AS)

- General Studies

Minors are available in the following areas:

- Accounting
- Advertising and PR
- Biblical Languages
- Biology
- Business
- Chemistry
- Coaching
- Computer Science
- Communication
- English
- Finance
- Health and Fitness
- History
- International Business
- Marketing
- Mathematics
- Music
- Online Media
- Physical Education
- Political Science
- Psychology
- Radio-TV-Film Academics
- Religion
- Social Science
- Spanish
- Speech

Certificate Programs

- Church Ministry
- Soul-winning Outreach Discipleship (SWORD)

Core Curriculum & Graduation

Rationale

At Southwestern Adventist University, a Seventh-day Adventist liberal arts education emphasizes preparing students with a broad academic background that enables them to contribute to society in multi-faceted ways.

Flexibility, adaptability, intellectual curiosity, and commitment to lifelong learning go beyond the confines of a specific discipline. We believe that broad skills and connections across disciplines, including an emphasis on the distinctive beliefs and history of the Seventh-day Adventist church, foster the development of the whole person who will be a responsible citizen of this world and the world to come.

Educating the Whole Person

1. Spiritual and Physical Well-being - An education focused on the whole person requires a preparation of the mental and physical body for learning. General Education in this area should focus on the theological and historical foundations of our faith with an emphasis on the SDA health message.
2. Intellectual Curiosity and Inquiry - Learning utilizes discovery, synthesis, analysis, and problem solving, skills which must be intentionally embedded across the curriculum in ways that inspire lifelong learning and enable students to apply them to a variety of situations and environments.
3. Clear and Effective Communication - The ability to communicate thoughts and ideas in a clear and effective manner facilitates the participation of an educated person in society. This concept extends beyond traditional oral and written forms to encompass current modes of expression and their personal, moral and social implications.

Core Curriculum for a Bachelor's Degree

I. English Composition

Courses in English composition will emphasize the practice of critical reading and effective writing.

Select two courses: 6 credit hours

Item #	Title	Credits
ENGL 121	Freshman Composition	3
ENGL 220	Research Writing	3

II. Mathematics

Courses in mathematics will emphasize quantitative and deductive reasoning, problem solving and logical thinking, organizational and systematic thinking, and the application of mathematics to various life situations.

Select one course: 3 credit hours

Item #	Title	Credits
MATH 110	College Algebra	3
MATH 131	Applied Mathematics	3
MATH 141	Introduction to Probability and Statistics	3
MATH 180	Precalculus	4
MATH 181	Calculus I	4

III. Whole-Person Wellness

Courses in fitness activity will emphasize practical knowledge and practices that will promote life-long whole-person wellness.

Select two courses: 2 credit hours

Item #	Title	Credits
	KINA XXX	1
	KINA XXX	1

IV. Humanities

Courses in the humanities will emphasize a reflection on the human experience and human condition through literary texts and artistic forms.

A. Literature

Select one course: 3 credit hours

Item #	Title	Credits
	ENGL 221 or ENGL 222	3
ENGL 224	Survey of English Literature	3
	ENGL 231 or ENGL 232	3
ENGL 322	Literary Perspectives	3

B. Fine Arts

Select one course: 3 credit hours

Item #	Title	Credits
ARTS 135	Introductory Studio Ceramics	1-3
ARTS 222	Art Appreciation	3
ENGL 272	Introduction to Drama	3
HIST 221	History of Western Art	3
MUHL 221	Survey of Music	3
MUHL 355	Survey of Christian Worship	3

V. Life and Physical Science

Courses in science will emphasize understanding and application of everyday phenomena. Laboratories will be discovery based and emphasize the development and testing of hypotheses, or they may expose students to observational experiences that enhance scientific understanding.

A. Life Science

Select one course: 4 credit hours

Item #	Title	Credits
	BIOL 101 or 102	4
BIOL 103	Human Biology	4
	BIOL 111, BIOL 112	4
BIOL 220	Microbiology and Immunology	4
BIOL 225	Field Biology	4
BIOL 345	Environment and Mankind	4

B. Physical Science

Select one course: 4 credit hours

Item #	Title	Credits
CHEM 105	Survey of Chemistry	4
CHEM 111	General Chemistry I	4
GEOL 240	The Dinosaurs	4
PHYS 101	Introductory Physics	4
PHYS 114	Physical Science	4
PHYS 121	General Physics I	4

VI. History and Social Science

Courses in history and social science are designed to give students a broad understanding of the sweep of world historical, governmental, and cultural events. Through reading, lectures, discussions, and writing, these courses will enhance the critical abilities of students by providing tools and practices that are universal in application. Ultimately, students should be better able to understand contemporary events by grasping how historical, political, and cultural events have combined to create the world in which they live.

A. History

Select two courses: 6 credit hours

Item #	Title	Credits
HIST 111	United States History to 1865	3
HIST 112	United States History from 1865	3
HIST 225	World Civilizations I	3
HIST 226	World Civilizations II	3

B. Social Science

Select one course: 3 credit hours

Item #	Title	Credits
ECON 211	Macroeconomics	3
ECON 212	Microeconomics	3
HIST 242	Historical and Political Geography	3
POLS 211	National and Texas Constitutions	3
PSYC 212	General Psychology	3
PSYC 220	Human Growth and Development	3
SOCI 111	Introduction to Sociology	3

VII. Religion

Courses in biblical studies will introduce the student to practical methods of Bible study, critical evaluation of scholarship and interpretation, and the richness and depth of the biblical text. Courses in theology will engage the student in a systematic approach to biblical matters, will have students explore different perspectives and relevant issues, and guide students to formulate personal viewpoints and positions. Courses in historical studies trace the origin and development of the Bible, Christianity, Seventh-day Adventism, and other religions.

Select four courses: 12 credit hours

One course must be numbered 300 and above. Transfer students from a non-SDA college must complete one course for each academic year in attendance, with a minimum of 2 courses (one in Biblical Studies).

Item #	Title	Credits
RELB 211	Life and Teachings of Jesus	3
RELB 322	Daniel	3
RELB 323	Revelation	3
RELB 328	Survey of the Old Testament	3
RELB 335	Introduction to the New Testament	3
RELH 230	History of the Seventh-day Adventist Church	3
RELH 233	Biblical Archaeology	3
RELH 314	Origin & Development of the Bible	3
RELH 320	Ellen White Writings	3
	RELH 331 or RELH 332	3
RELT 101	Christian Beliefs	3
RELT 212	Introduction to Christian Ethics	3
RELT 325	World Religions	3
RELT 327	Integrated Wellness Connections	3
RELT 360	Philosophy and the Christian Worldview	3
RELT 410	Biblical Conflict Resolution	3
RELT 419	Philosophy of Science	3

VIII. Competence in Computer Applications

Students completing a degree must be proficient in the use of general computer applications and important software in the field of the student's major. Proficiency will be determined by the completion of a department-designated course or courses.

The Bulletin description of approved courses includes the statement "This course fulfills the Computer Competency requirement as specified in the Core Curriculum." Unless specified in the major, the following courses meet the proficiency requirement:

Select one course: 3 credit hours

Item #	Title	Credits
CSIS 105	Introduction to Computing	3
CSIS 106	Comprehensive Spreadsheets	3

IX. Competence in Communication

Students completing a degree must be proficient in the application of the principles of effective oral communication including discussion techniques and public presentations. Proficiency will be determined by the completion of a department designated course or courses.

The Bulletin description of approved courses includes the statement "This course fulfills the Communication Competency requirement as specified in the Core Curriculum." Unless specified in the major, the following courses meet the proficiency requirement:

Select one course: 3 credit hours

Item #	Title	Credits
COMM 111	Speech	3
COMM 115	Discussion Techniques	3
Total credits:		52

B.A. Foreign Language Requirement

Complete either 6 semester credit hours of one foreign language at the intermediate level or 8 semester credit hours each of two foreign languages at the elementary level.

Baccalaureate Degree Requirements

The University awards six types of baccalaureate degrees: the Bachelor of Arts, the Bachelor of Science, the Bachelor of Music, Bachelor of Music Education, Bachelor of Business Administration and the Bachelor of Applied Arts and Sciences. Candidates who have completed the following requirements will be awarded degrees upon recommendation by the faculty and approval by the Board of Trustees.

All baccalaureate graduates will

- Complete a minimum of 120 semester credit hours, including 36 credit hours in courses numbered 300 and above and earn a minimum cumulative grade point average of 2.00.
- Complete the general education requirements.
- Complete QEP requirement UNIV 111 Wellness for Life.
- Complete a minimum of 30 semester credit hours in residence. The last 36 credit hours earned prior to graduation must include 30 credit hours in residence.
- Complete the requirements for a major field of specialization with a minimum cumulative grade point average of 2.25, unless otherwise specified by major department. No class with a grade below a C- may apply toward the major or area of emphasis. Classes listed as cognates are included in the major. A minimum of 12 hours in the major field must be taken in residence.
- Take a comprehensive examination in the field of study as designated by the major.

Bachelor of Arts graduates will also

- Complete a minor field of specialization. No class with a grade below a C- may apply toward the minor, and a minimum of 6 hours in the minor field must be taken in residence.

Graduates with Nursing and Elementary Education majors have modified degree requirements and these are specified under the respective department sections in this Bulletin.

Double majors must be completed within a single degree such as a Bachelor of Arts or a Bachelor of Science. To receive a degree with a double major, a student must complete all of the requirements, including cognates, of each major or area of emphasis. A second major will satisfy the requirement for a minor for the Bachelor of Arts degree. A student cannot earn two majors or areas of emphasis in communication.

Two baccalaureate degrees such as a Bachelor of Arts and a Bachelor of Science with majors in different disciplines may be awarded concurrently or sequentially. The candidate must meet all the degree requirements for each major including cognates, general education, the foreign

language requirement, the requirement of a minor, a total of 150 semester credit hours, and 30 credit hours in residence.

Core Curriculum for an Associate in Science Degree -

I. English Composition

Courses in English composition will emphasize the practice of critical reading and effective writing.

Select two courses: 6 credit hours

Item #	Title	Credits
ENGL 121	Freshman Composition	3
ENGL 220	Research Writing	3

II. Mathematics

Courses in mathematics will emphasize quantitative and deductive reasoning, problem solving and logical thinking, organizational and systematic thinking, and the application of mathematics to various life situations.

Select one course: 3 credit hours

Item #	Title	Credits
MATH 110	College Algebra	3
MATH 131	Applied Mathematics	3
MATH 141	Introduction to Probability and Statistics	3
MATH 180	Precalculus	4
MATH 181	Calculus I	4

III. Whole-Person Wellness

Courses in fitness activity will emphasize practical knowledge and practices that will promote life-long whole-person wellness.

Select two courses: 1 credit hours

Item #	Title	Credits
	KINA XXX	1

IV. Humanities

Courses in the humanities will emphasize a reflection on the human experience and human condition through literary texts and artistic forms.

Select one course: 3 credit hours

Item #	Title	Credits
ARTS 135	Introductory Studio Ceramics	1-3
ARTS 222	Art Appreciation	3
	ENGL 221 or ENGL 222	3
ENGL 224	Survey of English Literature	3
	ENGL 231 or ENGL 232	3
ENGL 272	Introduction to Drama	3
HIST 221	History of Western Art	3
MUHL 221	Survey of Music	3

V. Life and Physical Science

Courses in science will emphasize understanding and application of everyday phenomena. Laboratories will be discovery based and emphasize the development and testing of hypotheses, or they may expose students to observational experiences that enhance scientific understanding.

Select one course: 4 credit hours

Item #	Title	Credits
	BIOL 101 or 102	4
BIOL 103	Human Biology	4
BIOL 111	General Biology I	4
BIOL 112	General Biology II	4
BIOL 220	Microbiology and Immunology	4
BIOL 225	Field Biology	4
CHEM 105	Survey of Chemistry	4
CHEM 111	General Chemistry I	4
GEOL 240	The Dinosaurs	4
PHYS 101	Introductory Physics	4
PHYS 114	Physical Science	4
PHYS 121	General Physics I	4

VI. History and Social Science

Courses in history and social science are designed to give students a broad understanding of the sweep of world historical, governmental, and cultural events. Through reading, lectures, discussions, and writing, these courses will enhance the critical abilities of students by providing tools and practices that are universal in application. Ultimately, students should be better able to understand contemporary events by grasping how historical, political, and cultural events have combined to create the world in which they live.

Select one course: 3 credit hours

Item #	Title	Credits
HIST 111	United States History to 1865	3
HIST 112	United States History from 1865	3
HIST 225	World Civilizations I	3
HIST 226	World Civilizations II	3
HIST 242	Historical and Political Geography	3
ECON 211	Macroeconomics	3
ECON 212	Microeconomics	3
POLS 211	National and Texas Constitutions	3
PSYC 212	General Psychology	3
PSYC 220	Human Growth and Development	3
SOCI 111	Introduction to Sociology	3

VII. Religion

Courses in biblical studies will introduce the student to practical methods of Bible study, critical evaluation of scholarship and interpretation, and the richness and depth of the biblical text. Courses in theology will engage the student in a systematic approach to biblical matters, will have students explore different perspectives and relevant issues, and guide students to formulate personal viewpoints and positions. Courses in historical studies trace the origin and development of the Bible, Christianity, Seventh-day Adventism, and other religions.

Select two courses: 6 credit hours

Transfer students from a non-SDA college must complete one course for each academic year in attendance, with a minimum of 2 courses (one in Biblical Studies).

Item #	Title	Credits
RELB 211	Life and Teachings of Jesus	3
RELT 101	Christian Beliefs	3
RELT 212	Introduction to Christian Ethics	3
RELH 230	History of the Seventh-day Adventist Church	3
RELH 233	Biblical Archaeology	3

VIII. Competence in Computer Applications

Students completing a degree must be proficient in the use of general computer applications and important software in the field of the student's major. Proficiency will be determined by the completion of a department-designated course or courses.

The Bulletin description of approved courses includes the statement "This course fulfills the Computer Competency requirement as specified in the Core Curriculum." Unless specified in the major, the following courses meet the proficiency requirement:

Item #	Title	Credits
CSIS 106	Comprehensive Spreadsheets	3
CSIS 110	Principles of Computer Programming I	3

IX. Competence in Communication

Students completing a degree must be proficient in the application of the principles of effective oral communication including discussion techniques and public presentations. Proficiency will be determined by the completion of a department designated course or courses.

The Bulletin description of approved courses includes the statement "This course fulfills the Communication Competency requirement as specified in the Core Curriculum." Unless specified in the major, the following courses meet the proficiency requirement:

Item #	Title	Credits
COMM 111	Speech	3
COMM 115	Discussion Techniques	3
Total credits:		32

Associate Degree Requirements

The University awards three types of associate degrees: the Associate in Science, the Associate of Science, and the Associate of Applied Science. Candidates who have completed the following requirements will be awarded degrees upon recommendation by the faculty and approval by the Board of Trustees.

Associate of Science graduates will

1. Complete a minimum of 60 semester credit hours and earn a minimum cumulative grade point average of 2.00
2. Complete a minimum of 24 semester credit hours in residence. Twelve of the final 15 hours before graduation must be taken in residence at Southwestern
3. Complete QEP requirement UNIV 111 Wellness for Life

Associate in Science graduates will

1. Complete a minimum of 60 semester credit hours and earn a minimum cumulative grade point average of 2.00
2. Complete a minimum of 24 semester credit hours in residence. Twelve of the final 15 hours before graduation, must be taken in residence at Southwestern
3. Complete a major field of specialization with a minimum cumulative grade point average of 2.00 in the major. No class with a grade below C- may apply toward the major
4. Complete the general education requirements for the Associate in Science degree
5. Complete QEP requirement UNIV 111 Wellness for Life

Graduation Procedures for All Degrees

A graduating student will fulfill all degree requirements published in the Bulletin. The student may complete the degree requirements published in the Bulletin at the time of admission or any Bulletin issued during continuous enrollment. All general requirements for graduation must be fulfilled as published in the current Bulletin.

A **Graduation Contract** must be completed and returned to the Registrar no later than one week after the start of the second semester of the student's junior year.

Any work taken at another institution must be recorded on the transcript before the degree is awarded.

The student must satisfactorily meet all financial obligations to the University, including payment of graduation dues, in order to obtain a diploma or transcript showing graduation. Graduation class dues are a mandatory non-refundable fee that covers expenses such as class gift, 25 graduation announcements and miscellaneous class activities. This fee applies to campus as well as Adult Degree Program students. When a student returns to obtain an additional degree and graduation dues were paid as an initial Southwestern graduate, only half of the dues will be required for each subsequent graduation class. Graduation dues are charged to the student account at the beginning of the semester in which the student will graduate.

All graduates are expected to participate in the commencement exercises unless given permission by the Vice President for Academic Administration to graduate in absentia.

Candidates will receive instructions on ordering graduation regalia and announcements at the senior class meeting.

Graduation Ceremonies

The **commencement ceremony** is held at the end of the spring semester each year. Students eligible to participate in graduation must complete all arrangements with the Registrar by March 15 to be included in the ceremony and ensure name is printed on Graduation Program.

Posthumous Degree Policy

In the unfortunate event that a Southwestern student dies before completing degree requirements, the student may be awarded a posthumous degree upon approval by the Vice President for Academic Administration.

1. Department faculty must first approve and send a recommendation to the Vice President for Academic Administration for approval.
2. To be considered the student must have:

- a. been enrolled within the last 2 semesters.
- b. completed 75% of the degree requirements.
- c. been in good academic standing.

If a student does not meet the above criteria, they may be awarded a certificate of Special Recognition.

Deferred Graduation

Students who have fewer than 6 hours or two courses remaining in their degree program, as documented on their graduation contract, may participate in graduation exercises. The student will be listed as a candidate for graduation in the graduation program. All SWAU residency requirements apply to deferred graduation. All degree requirements must be completed within six (6) years of the date of the catalog selected.

Graduation Honors

Honors status will be calculated for bachelor's degree graduates after the final semester grades are issued. The following designations are given to graduates who have maintained high GPAs.

1. GPA of 3.50 to 3.74 may graduate cum laude
2. GPA of 3.75 to 3.89 may graduate magna cum laude
3. GPA of 3.90 to 4.00 may graduate summa cum laude

The associate degree candidate who has maintained a cumulative GPA of at least 3.60 may graduate with distinction.

Honors Program Graduate

Honors Program students may graduate with the designation of Honors Program Graduate by meeting the requirements outlined under the Honors Program in this Bulletin.

University Experience

Chan Shun Centennial Library Collections

The library at Southwestern contains approximately 140,000 print and electronic book volumes and 56,000 journal titles available in print and online. The library's main web page at library.swau.edu is the starting point for research. Patrons connect to librarians through the webpage, search the library's collections, and explore research tutorials.

Southwestern's library encompasses specialized collections that support academic programs. The **Adventist Heritage Center Collections** include substantial primary source materials chronicling the establishment of the Seventh-day Adventist church and the presence of the Adventist movement in the Southwest. Items include rare books, photographs, and manuscripts, as well as reproductions of similar materials. The Ruth King McKee Curriculum Library serves Southwestern's education program by providing examples of curriculum and instruction materials used in the K12 setting.

Southwestern's scholars link to thousands of academic, special, and public libraries within the United States and beyond, courtesy of TexShare and other consortial agreements. On-demand delivery of research materials for SWAU students and employees is made possible through TexShare, and can be initiated through completing the request form found on the library's webpage. Also, current students and faculty are invited to request a TexShare borrowers' card at the library's front desk, which grants individual borrowing privileges at most Texas university and public libraries.

The library's professional staff members provide necessary resources and assist faculty and students in retrieving materials for research purposes. Instruction and individual research consultations are available by request. Online subscription databases provide access to extensive resources, which are equally available on and off campus. Students using licensed subscriptions off campus will be asked to authenticate their connection to Southwestern with their Campus Portal login.

Southwestern's Lecture Series

The Carol Sample Lecture Series, an endowed, annual series that honors retired English professor Dr. Carol Sample, supports guest lecturers whose work appeals primarily to writing and literature students.

The Hal Wright Science & Religion Lecture Series, established in 2018, presents up to three speakers annually who address the connections between science and faith. The Hal Wright lectures will extend the mission

of the George and Dottie Saxon Lecture Series, established in 2006, which brought to campus speakers such as Michael Behe, Kurt Wise, Ronald Numbers, and David Berlinski.

The Scholars Lecture Series supports all disciplines. Two presentations per semester offer insight into and commentary within many fields, often presented by individuals whose life experience has been outside the academy. Recent programs have included political analysis, psychology, music theory, history, religion, education, and international relations.

Southwestern's Dramatic Presentations

Southwestern offers a drama class every spring semester. Participants explore theoretical material on the drama in history and on drama as a genre, but also gain the practical experience of staging a full-length work by classic writers such as Shakespeare, Goldsmith, Wilde, and others. The students learn all aspects of stagecraft, ranging from acting techniques to the use of blocking, staging, props and costumes to achieve an overall effect. These performances enrich both the presenters and also the community that views them, as we together experience the best that dramatic culture has to offer about ourselves and our world.

Rough Writers

Writers meet weekly in The Write Spot to review one another's work, encourage each other in the creative process, and offer suggestions and guidance. This is a great place to network with other faculty, staff, and students who share your love of writing. The Rough Writers present their creative work in public readings and performances.

Meadows Gallery

Meadows Gallery serves as Southwestern's focal point for displays and exhibits. Located within the campus library building, the Gallery has shown traveling exhibits as well as local talent.

The Herbert M. and Ivanette Woodall Hopps Museum and Welcome Center

Primarily a community and visitor center, this two-story facility is created by eclectic exhibits which include periodic displays of private collections as well as historic items dating from the university and town's beginnings in 1893.

Southwestern's Dinosaur Science Museum

Southwestern's Paleontology Museum houses specimens from the Hanson Research Center in Wyoming, the Earth History Research Center (a collaborative endeavor among many academic institutions), and Southwestern's own index collections of fossilized vertebrates and invertebrates. Most specimens can be viewed through the online portal to the museum (<http://fossil.swau.edu>), but personal tours and research viewing can be arranged as well. Southwestern's Harold Drake Preparatory Laboratory serves as a working exhibit in which visitors are welcome to observe the cleaning and preparation of geological and paleontological specimens in person or online at <http://dinosaur.swau.edu>.

Thomsen Observatory

Southwestern's astronomy courses benefit from access to the Thomsen Observatory, which is adjacent to campus. The Observatory and related physics lab house a number of reflector and refractor telescopes that offer celestial exploration for students, faculty, and the community.

Academic Support Services

Center for Academic Success and Advising (CASA)

The Center for Academic Success and Advising (CASA) support the work of the faculty and academic advisors by coordinating academic support services for all Southwestern students that are designed to enhance student success, including tutoring, career counseling and General Studies advising. CASA also offers periodic workshops and seminars during the academic year.

Counseling and Testing Center

The Counseling and Testing Center provides services which focus on helping students cope with personal concerns as they engage in their spiritual, academic, social and personal activities. Typical student needs and concerns include learning how to study more effectively, resolving interpersonal conflicts, managing stress reactions, coping with loneliness, and handling feelings of depression, anxiety and other emotional crises.

Career Planning: Several career and interest inventories are given by the Counseling Center to help students learn more about their aptitudes, achievements, interests, values, and personality. The College-Level Examination Program (CLEP), correspondence tests, and national tests for admission to graduate schools are administered by the Counseling Center.

Special Needs: The Counseling Center strives to assist students with qualifying disabilities which can include vision and hearing, medical conditions, and learning disabilities which substantially limit one or more of a person's major life activities and may necessitate modifications to the facilities, programs, or services of the University. Information provided by the student will be used only in the coordination and facilitation of service and accommodations required to make programs accessible to the student. The University reserves the right to request current documentation of physical and/or mental disabilities prior to the determination and facilitation of appropriate accommodations; documentation requirements are discussed in more detail in the ADA Policy found in the Counseling and Testing Center.

Disability Services

Disability services staff members, through the Counseling and Testing Center, coordinate appropriate aids and services to accommodate students with disabilities. Students requesting accommodation must contact the office to provide the staff members with documentation of their disability.

Southwestern is committed to policies which provide equal opportunity for full participation in the University experience for all qualified people with disabilities. The university prohibits discrimination on the basis of disability in admission or access to its educational programs and associated activities.

Health Services

Health Services provides assistance to students or staff who are ill or have minor injuries, without cost. The clinic is located in Harmon Hall and is open from 8:00 P.M. -10:00 P.M. Sunday

-Thursday. If you should have a health care need during weekends or nights, call the dean on duty.

Information Services/Technology

The Office of Information Technology Services is responsible for providing computer resources, campus network infrastructure, digital and voice telecommunications, standard software licensing, and institutional research to support the academic and administrative functions of the University. The staff installs and maintains servers, off-campus connectivity, administrative computer systems, as well as providing help for faculty, staff, and administrators in addressing their computer-related problems. There is a continual program to upgrade connectivity, external access, hardware and software, and digital resources for classroom use.

The Chan Shun Library, contains computers for the use of students during library hours. The Computer Teaching Lab, located in Pechero Hall, houses a number of computers that are available for general use when classes are not scheduled in that facility.

Student Services

Students with personal and campus concerns and questions should contact the Dean of Students, whose office is located in the Findley Administration Building. The Vice President for Student Services/Dean of Students' staff practices a student-centered, student-first philosophy of service. The student code of conduct, which is in place for the safety and well being of our university campus community, is enforced by the Vice President for Student Services. The Student Services staff is further involved in student life by sponsoring numerous programs and activities, planning and coordinating new student orientation, providing leadership training and opportunities for student involvement in campus governance.

The Write Spot

Support for writing and writers on campus is the focus of The Write Spot, Southwestern's writing center. This facility is located in the library, on the first floor, and offers assistance to students, faculty, and staff. Faculty and trained mentors are available for consultations 24 hours a week during the academic year.

SWAU Online Education

Faculty/Staff

Marcel Sargeant, Director; Jeanne Mizher, Secretary

Mission Statement

Inspiring knowledge, faith, and service through Christ-centered education.

Alternatives for Acquiring Credit

Online Education students can take advantage of the following alternatives for acquiring college credit:

1. Credit for prior learning is available through the portfolio assessment program. The student may receive up to 16 credits for college level learning acquired outside the formal credit granting process. To obtain this credit, the student must register for ADPS 230 Prior Learning Assessment, a one hour course. The course guides the student through the development of a portfolio to document college level learning. The portfolio will be evaluated by faculty in the discipline for which credit is requested. A limited number of courses are available for experiential credit. The student considering this alternative should consult carefully with the Online Education Program office for course applicability. Credit awarded through the portfolio does not apply toward the 30 hour residency requirement. In addition to the tuition for the Portfolio Development course, there is an evaluation and transcription fee for experiential credit.
2. All other forms of acquiring credit are described in the Academics section of this *Bulletin*.

Online Education Programs

Bachelor of Arts (BA)

- History
- Religion
- Theology

Bachelor of Applied Arts and Sciences (BAAS)

Bachelor of Science (BS)

- Business
- Criminal Justice
- Elementary Education
- General Studies

- Nursing - RN to BS
- Psychology
- Psychology - emphasis in School Guidance
- Social Science

Associate of Science (AS)

Certificate Program

- Church Ministry

Alternative Certification

Online Education for On-Campus Students

Online education courses are also utilized by on-campus students. The Online Education office provides assistance to students. The University uses Canvas as the on-line course management system. All courses require students to have access to the Internet, and a SWAU email account.

Art

Faculty/Staff

Devon Howard, Chair

Adjunct: Joy Chadwick, Marcela Wall

Aims of the Art Department

The aim of the art program is to cultivate an appreciation of the various forms of visual experience and to provide opportunity for self-expression. (The following classes may be taught with sufficient student demand.)

ARTS 101: Introductory Drawing

Introduction to the basic elements of drawing with emphasis on sketching techniques, media, concept formulation, design, color, and development of drawing skills. No prerequisites are required. Each student will work to their evaluated skill levels.

Credits: 1-3

Lab Hours: 4

Lecture Hours: 2

Semester Offered: Fall, even years

ARTS 135: Introductory Studio Ceramics

Emphasis is placed on understanding the basic ways in which clay has served human needs throughout history. The course will parallel the historical and cultural development of ceramics from its primitive beginnings to its current status. May include slides and readings to augment studio work aimed at making functional as well as conceptually-oriented objects. A special fee for art supplies is assessed.

Credits: 1-3

Lab Hours: 4

Lecture Hours: 2

Semester Offered: Spring

ARTS 215: Painting I

Introduction to the basic elements of painting with an emphasis on oil painting on canvas. Color, composition, media techniques, and design will be covered. No prerequisites are required. Each student will work to their evaluated skills levels.

Credits: 1

Lab Hours: 4

Lecture Hours: 2

Semester Offered: Fall, odd years

ARTS 221: History of Western Art

A survey of the fine arts and how they have related to the various cultures throughout western civilization. The class will deal with the arts from the Renaissance to the present time. (Also taught as HIST 221).

Credits: 3

Semester Offered: Spring

ARTS 222: Art Appreciation

This course is an exploration of visual art forms and their cultural connection designed for the beginner student. In addition to in-class lectures and projects, students will be expanding their knowledge by visiting the Kimbell Art Museum and the Modern Art Museum in Fort Worth. The course features a brief study of art history, and in-depth studies of the elements, media, and methods used in creative thought and processes.

Credits: 3

ARTS 223: Arts/Crafts/Drama

A course of exploratory activities in a variety of two- and three-dimensional arts and crafts media and methods of Discipline-Based Art Education for children.

Credits: 3

Semester Offered: Spring

ARTS 235: Intermediate Studio Ceramics

Offers additional experience in ceramics. The student will engage in a more sophisticated degree of problem-solving in the medium of clay. A special fee for art supplies is assessed.

Credits: 1-3

Lab Hours: 4

Lecture Hours: 2

Prerequisites:

ARTS 135 or permission of instructor

Semester Offered: Fall, Spring

ARTS 298: Individual Study Topics

Designed for the student who wishes to do independent study or research. Content and methods of study must be arranged prior to registration. May be repeated for a total of 3 credits.

Credits: 1-3

Prerequisites:

Approval by department chair

ARTS 299: Directed Group Study Topics

Provides academic departments an opportunity to offer courses in specialized or experimental areas, either lower or upper division, not listed in the undergraduate *Bulletin*. May be repeated for a total of 3 credits.

Credits: 1-3

Prerequisites:

Approval by department chair

ARTS 315: Painting II

Additional introduction to the basic and advanced elements of painting with an emphasis on oil painting on canvas. Color, composition, media techniques, and design will be covered. Each student will work to their evaluated skill levels.

Credits: 1-3

Lab Hours: 4

Lecture Hours: 2

Prerequisites:

ARTS 215

or permission of instructor

Semester Offered: Spring, Even Years

ARTS 335: Advanced Studio Ceramics

Offers the experienced student in ceramics the opportunity to explore more complex problems of expression in ceramics. A special fee for art supplies is assessed.

Credits: 1-3

Lab Hours: 4

Lecture Hours: 2

Prerequisites:

ARTS 235

or permission of instructor

Semester Offered: Fall, Spring

ARTS 498: Individual Study Topics

Designed for the advanced student who wishes to do independent study or research. Content and methods of study must be arranged prior to registration. May be repeated for a total of 3 credits.

Credits: 1-3

Prerequisites:

Approval by department chair

ARTS 499: Directed Group Study Topics

Provides academic departments an opportunity to offer courses in specialized or experimental areas, either lower or upper division, not listed in the undergraduate *Bulletin*. Student may be allowed to repeat the course for credit.

Credits: 1-3

Prerequisites:

Approval by department chair

Biological Sciences

Faculty/Staff

Arthur Schwarz, Chair; Arthur Chadwick, Erin Maloney, Jared Wood

Aims of the Department

The mission of the Department of Biological Sciences is to encourage thoughtful investigation of living systems.

Student Learning Outcomes

Biological Sciences graduates will be able to:

- Use scientific processes (observe nature, pose problems, generate and test hypotheses, design experiments, interpret and evaluate data, and determine how to follow up on findings), especially involving quantitative reasoning and analysis.
- Communicate effectively with people both in biology as well as in other disciplines through written, visual, and oral methods.
- Evaluate the social, ethical, and moral implications of biological research and how science impacts their faith.

Programs

The department offers a Bachelor of Arts and a Bachelor of Science degree in biology. The B.A. degree requires 30 semester hours in biology, 18 hours in a minor area and includes a foreign language component. The B.S. degree allows a choice between three areas of emphasis: Biomedical emphasis, Ecology, and Conservation Biology emphasis, or Integrative Biology emphasis. Students may also choose to pursue a B.S. or minor in Life Science towards Secondary Certification in coordination with the Education Department.

B.A. Biology

Required Courses

*Include one botany elective.

Item #	Title	Credits
BIOL 111	General Biology I	4
BIOL 112	General Biology II	4
BIOL 180	Biology Research Seminar	1
BIOL 230	Ecology	4
BIOL 320	Genetics	4
BIOL 340	Cell and Molecular Biology I	4
BIOL 419	Philosophy of Science	3

Biology BA Electives (6-8 credit hours)

Item #	Title	Credits
BIOL 312	Ornithology	3
BIOL 314	Systematic Botany	4
BIOL 318	Microbiology & Immunology	4
BIOL 325	Field Ecology	4
BIOL 333	Parasitology	3
BIOL 341	Cell and Molecular Biology II	4
BIOL 345	Environment and Mankind	4
BIOL 360	Plant Biology	4
BIOL 410	Human Physiology	4
BIOL 435	Herpetology	4
BIOL 440	Mammalogy	4
BIOL 443	Comparative Vertebrate Anatomy	4
BIOL 450	Histology	4
BIOL 455	Immunology	3
BIOL 462	Ichthyology	4
BIOL 465	Plant Physiology	4

Required Cognates

Item #	Title	Credits
CHEM 111	General Chemistry I	4
CHEM 112	General Chemistry II	4
	MATH 141 or 180	3-4
	Total credits:	41-44

B.S. Biology, Biomedical Emphasis

Biology, B.S. Core Curriculum

Required of all B.S. students.

Item #	Title	Credits
BIOL 111	General Biology I	4
BIOL 112	General Biology II	4
BIOL 180	Biology Research Seminar	1
BIOL 230	Ecology	4
BIOL 320	Genetics	4
BIOL 419	Philosophy of Science	3

Required Courses

Item #	Title	Credits
BIOL 340	Cell and Molecular Biology I	4

Electives (9-12 credit hours) to be selected from the following courses:

In order for BIOL 480 to count as an elective, at least three credit hours of BIOL 480 must be completed and a final presentation must be given.

Item #	Title	Credits
BIOL 318	Microbiology & Immunology	4
BIOL 333	Parasitology	3
BIOL 341	Cell and Molecular Biology II	4
BIOL 410	Human Physiology	4
BIOL 443	Comparative Vertebrate Anatomy	4
BIOL 450	Histology	4
BIOL 455	Immunology	3
BIOL 480	Research in Biology	3

Required Cognates

Item #	Title	Credits
CHEM 111	General Chemistry I	4
CHEM 112	General Chemistry II	4
CHEM 231	Organic Chemistry I	4
CHEM 232	Organic Chemistry II	4
PHYS 121	General Physics I	4
PHYS 122	General Physics II	4
	MATH 141 or 180	3-4
	Total credits:	60-64

B.S. Biology, Ecology and Conservation Biology Emphasis

Biology B.S. Core Curriculum

Required of all B.S. students.

Item #	Title	Credits
BIOL 111	General Biology I	4
BIOL 112	General Biology II	4
BIOL 180	Biology Research Seminar	1
BIOL 230	Ecology	4
BIOL 320	Genetics	4
BIOL 419	Philosophy of Science	3

Required Courses

In consultation with the advisor, BIOL 480 Research in Biology, may replace one of the electives. In order for BIOL 480 to count as an elective, at least three credit hours of BIOL 480 must be completed and a final presentation must be given.

Item #	Title	Credits
BIOL 328	Biostatistics	3
BIOL 345	Environment and Mankind	4
BIOL 360	Plant Biology	4
BIOL 443	Comparative Vertebrate Anatomy	4
BIOL 475	Management of Fish & Wildlife Resources	4

Botany electives:

Item #	Title	Credits
BIOL 314	Systematic Botany	4
BIOL 465	Plant Physiology	4

Ecology electives:

Item #	Title	Credits
BIOL 325	Field Ecology	4
BIOL 335	Limnology	4

Zoology electives:

Item #	Title	Credits
BIOL 312	Ornithology	3
BIOL 435	Herpetology	4
BIOL 440	Mammalogy	4
BIOL 462	Ichthyology	4

Required Cognates

Item #	Title	Credits
CHEM 111	General Chemistry I	4
CHEM 112	General Chemistry II	4
	MATH 141 or 180	3-4
	Total credits:	65-67

B.S. Integrative Biology

Biology B.S. Core Curriculum

Required of all B.S. students

Item #	Title	Credits
BIOL 111	General Biology I	4
BIOL 112	General Biology II	4
BIOL 180	Biology Research Seminar	1
BIOL 230	Ecology	4
BIOL 320	Genetics	4
BIOL 419	Philosophy of Science	3

Choose one course from each of the following groups:

Choose three additional electives from any group:
9-12

Item #	Title	Credits
	Biomedical Electives	3-4
	Botany electives:	4
	Ecology electives:	4
	Research Techniques Electives:	3-4
	Zoology Electives:	3-4

Required Cognates:

Item #	Title	Credits
CHEM 111	General Chemistry I	4
CHEM 112	General Chemistry II	4
	MATH 141 or 180	3-4
	Total credits:	57-63

B.S. Life Science Secondary Certification

You must make formal application for admittance to the Teacher Education Program. Applications are available at the Education Department Office.

Life Science B.S. - Secondary Certification

Must include one botany elective and one zoology elective.

Item #	Title	Credits
BIOL 111	General Biology I	4
BIOL 112	General Biology II	4
BIOL 180	Biology Research Seminar	1
BIOL 230	Ecology	4
BIOL 320	Genetics	4
BIOL 419	Philosophy of Science	3
	BIOL - Electives (x3-4)	12

Required Cognates

Item #	Title	Credits
CHEM 111	General Chemistry I	4
CHEM 112	General Chemistry II	4
	MATH 141 or 180	3-4
	Total credits:	43-44

Minor in Biology

Required Courses

Item #	Title	Credits
BIOL 111	General Biology I	4
BIOL 112	General Biology II	4
	BIOL Minor - Electives (6 hours must be upper division)	10
	Total credits:	18

Minor in Life Science - Secondary Certification

You must make formal application for admittance to the Teacher Education Program. Applications are available at the Education Department Office.

Minor in Life Science - Secondary Certification

Item #	Title	Credits
BIOL 111	General Biology I	4
BIOL 112	General Biology II	4
BIOL 230	Ecology	4
BIOL 320	Genetics	4
BIOL 419	Philosophy of Science	3
	Life Science Minor Electives - upper division (x2)	8
	Total credits:	27

Biological Sciences Course Descriptions

BIOL 101: Anatomy & Physiology I

An integrated study of the anatomy and physiology of human organ systems with a focus on homeostasis and the role of cellular processes involved with maintaining that homeostasis. Topics include basic cell biology and histology, skin, bones, muscles, and the nervous system. Does not apply toward a biology major or minor.

Credits: 4

Lab Hours: 3

Lecture Hours: 3

Co-Requisites:

ENGL 121

Semester Offered: Fall

BIOL 102: Anatomy & Physiology II

An integrated study of the anatomy and physiology of human organ systems with a focus on homeostasis and the role of cellular processes involved with maintaining that homeostasis. Topics include the cardiovascular, immune, respiratory, digestive, urinary, endocrine, and reproductive systems, as well as an introduction to metabolism, nutrition, chemical balance, pregnancy, development, and heredity. Does not apply toward a biology major or minor.

Credits: 4

Lab Hours: 3

Lecture Hours: 3

Co-Requisites:

ENGL 121

Semester Offered: Spring

BIOL 103: Human Biology

This is a survey course, concerning the structure and function of the human body. Important themes in this course include understanding our bodies' systems, the impact of disease and injury, as well as disease prevention and the principles of healthful living. This course fulfills the Life Science Competency requirement as specified in the Core Curriculum. Does not apply toward a biology major or minor.

Credits: 4

Lab Hours: 3

Lecture Hours: 3

Semester Offered: Fall

BIOL 111: General Biology I

A survey course covering the basic disciplines of life science. Topics include cell biology, metabolism, genetics, molecular biology, natural history, and microorganisms. A full sequence of high school biology and chemistry is highly recommended.

Credits: 4

Lab Hours: 3

Lecture Hours: 3

Co-Requisites:

ENGL 121

Semester Offered: Fall

BIOL 112: General Biology II

A survey course covering the basic disciplines of life science. Topics include protists, fungi, plants, animals, and ecology. Animal physiology and behavior is emphasized. A full sequence of high school biology and chemistry is highly recommended.

Credits: 4

Lab Hours: 3

Lecture Hours: 3

Co-Requisites:

ENGL 121

Semester Offered: Spring

BIOL 180: Biology Research Seminar

A freshman level seminar course designed to initiate students early in their careers to the concepts, principles and conduct of biological research by exposing them to active researchers in various disciplines of biology. Class activities include attendance at research presentations by staff and outside researchers, participation with questions and preparation of two page summary of each presentation. Required for all freshmen. All other biology majors will be expected to attend. Presentations by special guests.

Credits: 1

Semester Offered: Fall

BIOL 220: Microbiology and Immunology

Introduction to the structure, function and control of microorganisms in the environment with special emphasis on those organisms of medical importance. Introduction to immune responses and mechanisms including antibody and host-antigen interactions, and humoral and cellular immunological response mechanisms. Lab fee. (Biology or MLS majors should take BIOL 318.)

Credits: 4

Lab Hours: 3

Lecture Hours: 3

Semester Offered: Fall

BIOL 225: Field Biology

This course is a field study of the plants, animals, natural features, and climate of a particular region of North America or perhaps another continent. It includes the study of ecological relationships in the selected study area. Students will be assessed by periodic quizzes in the field. This three week intensive field course will involve camping and extensive travel to National Parks, game reserves, and natural areas. A field trip fee will be charged commensurate with the distance traveled. (Offered periodically as an intensive course spanning 3 weeks before fall term, during Christmas holiday, or 3 weeks after spring term. Offered concurrently with BIOL 325. Non-Biology majors should register for BIOL 225.)

Credits: 4

BIOL 230: Ecology

This course will examine the principles governing relationships between organisms and the physical and chemical environment and among organisms. Important topics will include population dynamics, ecosystem processes and the distribution of the earth's biomes. The principles of ecology will be brought to bear on issues such as conservation of biodiversity and wise use of natural resources. The laboratory includes a four-day field trip. Field trip fee.

Credits: 4

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

BIOL 111

BIOL 112

Semester Offered: Fall

BIOL 298: Individual Study Topics

A study in an area of student interest under the direction of a staff member. This study may involve data collection, or library work and will involve a written report. Content and method of study must be arranged prior to registration. May be repeated for a total of 3 credits.

Credits: 1-3

Prerequisites:

BIOL 111

BIOL 112

and approval of instructor

BIOL 299: Directed Group Study Topics

Provides academic departments an opportunity to offer courses in specialized or experimental areas, either lower or upper division, not listed in the undergraduate *Bulletin*. May be repeated for a total of 3 credits.

Credits: 1-3

Prerequisites:

Approval by department chair

BIOL 312: Ornithology

A study of birds, with emphasis on avian identification, geographic distribution, migration, habits and conservation. Attention is given to anatomical and physiological features that contribute to their unique lifestyles. Laboratory sessions are largely in the field and include a five-day field trip. Field trip fee.

Credits: 3

Lab Hours: 3

Lecture Hours: 2

Prerequisites:

BIOL 111

Semester Offered: Spring even years

BIOL 314: Systematic Botany

This is a taxonomic study of the flowering plants of Texas. It includes methods for identification and preservation of plant specimens. Laboratory includes a four-day field trip. Field trip fee.

Credits: 4

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

BIOL 111

BIOL 112

Semester Offered: Spring odd years

BIOL 315: Field Invertebrate Zoology

A taxonomic and ecological study of invertebrates from marine, freshwater, and terrestrial environments. Some attention is focused on the direct role of invertebrates on human life. Laboratory studies include field work locally and at the Texas Gulf Coast. Field trip fee covering cost of transportation, room and board, and use of a research vessel. (Offered periodically)

Credits: 4

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

BIOL 111

BIOL 112

BIOL 318: Microbiology & Immunology

This course is an introduction to the structure, function and control of microorganisms in the environment with special emphasis on those organisms of medical importance. Included is an introduction to immune responses and mechanisms, antibody and host-antigen interactions, bursal and thymic influences on the lymphoid system, and humoral and cellular immunological response mechanisms. Offered concurrently with BIOL 220, so students of this course cannot take both courses for credit. (Class counts toward a Biology or MLS major.)

Credits: 4

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

BIOL 111

BIOL 112

Semester Offered: Fall

BIOL 320: Genetics

The study of inheritance and the molecular mechanisms which impact it with an emphasis on problem-solving and independent laboratory work. Course requires a comprehensive written report of results from a semester-long laboratory project.

Credits: 4

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

BIOL 111

BIOL 112

Semester Offered: Spring

BIOL 325: Field Ecology

This course is a field study of the plants, animals, natural features, and climate of a particular region of North America or perhaps another continent. It includes the study of ecological relationships in the selected study area. Students will be assessed by periodic quizzes in the field and a field presentation or a summative paper after returning to campus. This three week intensive field course will involve camping and extensive travel to National Parks, game reserves, and natural areas. A field trip fee will be charged commensurate with the distance traveled. (Offered periodically as an intensive course spanning 3 weeks before fall term, Christmas holiday, or 3 weeks after spring term. Offered concurrently with BIOL 225. Biology majors or minors should register for BIOL 325.)

Credits: 4

Prerequisites:

BIOL 111

BIOL 112

BIOL 328: Biostatistics

The student will learn basic statistical skills, such as hypothesis testing, probability, statistical inference, correlation, regression, curve fitting, and population and sample comparison techniques. The student will also learn to analyze data and generate appropriate graphs using R, SPSS, and Excel.

Credits: 3

Prerequisites:

BIOL 230

MATH 141

Semester Offered: Spring

BIOL 330: Bacteriology and Virology

Biology of bacteria, viruses, fungi and other microorganisms, and their interactions with their environment. Includes surveys of microbial diversity and taxonomy, human-microbe relationships, environmental and industrial microbiology. Bacteria and viruses will be used in the laboratory to provide training and experimental methodology.

Credits: 4

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

BIOL 111

BIOL 112

BIOL 320

Semester Offered: Periodically

BIOL 333: Parasitology

This course is a comparative survey of the primary parasites of human and veterinary importance with an emphasis on morphology, life cycles, epidemiology, pathogenesis and the interface between the parasite and the host immune system. Students will develop a global perspective of the burden of parasitic diseases and will analyze current literature in molecular parasitology topics.

Credits: 3

Prerequisites:

BIOL 111

BIOL 112

or permission of instructor

Semester Offered: Spring odd years

BIOL 335: Limnology

In this course we will examine topics dealing with the biological and ecological characteristics and economic importance of surface waters, including lakes, streams and wetlands. Specific topics will include light and heat in aquatic environments, dissolved gasses, nutrients, dynamics of phytoplankton, periphyton, and consumers and the impact of human society on natural surface waters. Laboratory includes a four-day field trip. Field trip fee.

Credits: 4

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

BIOL 230

Semester Offered: Spring even years

BIOL 340: Cell and Molecular Biology I

A study of the internal workings of the cell. The molecular basis of various cell activities is emphasized. Particular attention is paid to molecular genetics, DNA replication, protein synthesis, regulation of gene expression, and methods in molecular biology.

Credits: 4

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

BIOL 320

Semester Offered: Fall

BIOL 341: Cell and Molecular Biology II

A study of the internal workings of the cell. The molecular basis of various cell activities is emphasized. Particular attention is paid to mammalian cell culture techniques, molecular transport, cell signaling, the cytoskeleton, the cell cycle, and the extracellular matrix.

Credits: 4

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

BIOL 340

Semester Offered: Spring

BIOL 345: Environment and Mankind

Environmental science is a discipline that encompasses learning in the sciences, and touches on human development, governance and policy, and ethics. This course will provide the student with the tools to think critically about the environment and how human decisions and activities influence the quality of our lives and the other creatures we share the earth with. We will engage in lecture, discussion, debate and group projects concerning the impact of environmental problems, such as waste management, climate change, water issues, biodiversity, air pollution, human population, and resource use by society. We will also focus on local problems concerning our environment (Also taught as HNRS 345).

Credits: 4

Lab Hours: 3

Lecture Hours: 3

Semester Offered: Spring

BIOL 360: Plant Biology

This is a broad course emphasizing importance of plants and their role in human life. This is an applied botany course in which physiology, structure, development and economic botany are studied. The systematic survey section will include algae, mosses, non-seed plants, and seed plants.

Credits: 4

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

BIOL 111

BIOL 112

or permission of instructor

Semester Offered: Spring even years

BIOL 410: Human Physiology

This course explores the inner workings of the human body and how it maintains homeostasis. Emphasis is placed on understanding structure-function relationships and the interconnectedness of organ systems. Students learn diagnostic problem-solving skills, quantitative laboratory techniques used by physiologists, and methods to evaluate health information using peer-reviewed sources.

Credits: 4

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

BIOL 111, 112 or BIOL 101, 102

Semester Offered: Fall, even years

BIOL 419: Philosophy of Science

A study of the philosophies and methodologies of science. Includes a review of the history of scientific and religious thought and the role each has played in the development of modern theories of origin (Also taught as RELT or GEOL 419 or HNRS 404).

Credits: 3

Semester Offered: Spring

BIOL 435: Herpetology

Lectures will introduce students to topics of importance to the study of reptiles and amphibians. In lecture, we will focus on anatomy, physiology, taxonomy, ecology, behavior and conservation of this fauna. In laboratories, we will focus on external anatomy, identification skills, habitat preferences, distribution, and collection techniques. We will place emphasis on the fauna in our immediate area, but we will discuss reptiles and amphibians from other areas of Texas in our laboratories.

Credits: 4

Prerequisites:

BIOL 111

BIOL 112

Semester Offered: Spring odd years

BIOL 440: Mammalogy

A systematic study of mammals with emphasis on natural history and ecology.

Credits: 4

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

BIOL 111

BIOL 112

Semester Offered: Fall, odd years

BIOL 443: Comparative Vertebrate Anatomy

An introduction to the classification and diversity of chordates and a comparison of the different vertebrate organ systems. Special consideration will be given to taxonomic comparisons of the skeletal and muscular systems.

Credits: 4

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

BIOL 111

BIOL 112

Semester Offered: Fall, even years

BIOL 450: Histology

An investigation of the structure and function of the tissues of the human body. The course is lab intensive and is intended to acquaint the student with the microscopic characteristics of tissues.

Credits: 4

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

BIOL 111

BIOL 112

Semester Offered: Fall, odd years

BIOL 455: Immunology

This course presents the basic concepts of the innate and adaptive immune systems including details about the molecules, cells and organs involved. Emphasis will be placed on mechanisms of immune system development and response to pathogens, as well as on the classic experiments performed to make key discoveries in immunology.

Credits: 3

Prerequisites:

BIOL 320

Semester Offered: Spring even years

BIOL 462: Ichthyology

A systematic study of fishes with emphasis on anatomy, physiology, taxonomy, behavior, ecology, and conservation of this fauna. In laboratories, we will focus on external anatomy, identification skills, habitat preferences, distribution, and collection techniques. We will place emphasis on the fauna in our immediate area. Lecture and laboratories will discuss fishes from other areas of Texas and the world.

Credits: 4

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

BIOL 111

BIOL 112

Semester Offered: Fall, even years

BIOL 465: Plant Physiology

This is a study of primary plant metabolic processes, including the movement of materials in and out of plant cells and within plants, photosynthesis, respiration, mineral nutrition, nitrogen metabolism and growth analysis. Other topics include environmental physiology such as the effects of temperature, salt, and water stress and the implications of globally rising carbon dioxide.

Credits: 4

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

BIOL 111

BIOL 112

Semester Offered: Periodically

BIOL 475: Management of Fish & Wildlife Resources

This integrative course focuses on ecological principles as they are applied to the conservation and management of fisheries and wildlife resources. We will also discuss how conservation practices are influenced by politics and law, culture, social acceptability and economic feasibility. In lab, you will be introduced to the techniques and equipment used to survey fisheries and wildlife populations. Lec. 3 Lab 3.

Credits: 4

Prerequisites:

BIOL 230

Semester Offered: Fall, odd years

BIOL 480: Research in Biology

A supervised research experience involving the development of a research question, data collection, and data analysis. May be repeated for a total of 6 credits. May count as one Biology Elective with approval of the Department if research results are formally presented. Eligible for IP grading.

Credits: 3

Prerequisites:

Approval of research advisor

Semester Offered: Fall, Spring

BIOL 498: Individual Study Topics

Special study may be pursued beyond completed course work under the direction of a staff member. This study may involve data collection or library work and will involve a written report. Content and method of study must be arranged prior to registration. May be repeated for a total of 3 credits. (Offered periodically)

Credits: 1-3

Prerequisites:

BIOL 111

BIOL 112

Two upper division courses; and permission of the instructor

BIOL 499: Directed Group Study Topics

Provides academic departments an opportunity to offer courses in specialized or experimental areas, either lower or upper division, not listed in the undergraduate *Bulletin*. Student may be allowed to repeat the course for credit.

Credits: 1-3

Prerequisites:

Approval by department chair

Business Administration

Faculty/Staff

Aaron Moses, AdventHealth Endowed Chair of Business Administration; Satyanarayana Ramella; Chanda Santo

Adjunct: Scott Cain, Throy Cambell, Alex Falcon, Brad Masters, Judith Miles, Catalin Pavel, Gilbert Werema, Licci Zemleduch

Mission

The Department of Business Administration prepares students for Christian service and business leadership in the global economy. Our department is built on academic excellence, integrity, and an entrepreneurial spirit. We serve and value a diverse student body, equipping them with the intellectual fortitude to change the world.

Aims of the Department

- Maintain a curriculum that provides students with the necessary knowledge for successful work experience in today's business environment and graduate studies.
- Promote student's awareness of free enterprise with an international orientation within a framework of moral and ethical guidelines.
- Enrich the learning-teaching experience by fostering access to and utilization of appropriate learning resources.
- Promote faculty and student's involvement in community activities.

B.B.A.

For a dual concentration (ex. Management/Marketing) the student must declare a dual concentration as part of their BBA degree. A minimum of 18 credit hours is required for each concentration. The student must understand that with the additional credit hours, graduation time may be extended. Only required concentration courses will be allowed to overlap between the two concentrations. A course taken as part of one of the concentration's required courses cannot be used as an elective choice in the other concentration. Planning the two concentrations must be done with the aid of the student's advisor.

B.B.A. Accounting

Numerous career choices are available to accounting graduates, including working in not-for-profit accounting (for the Seventh-day Adventist denomination or other not-for-profit entities), public accounting, industry (ranging from small businesses to large corporations), and governmental accounting.

Business Core Courses

Required of all BBA students.

**BUAD 202 is required of all Freshman BBA majors. Junior level transfer students may substitute a business elective for this class with approval from their advisor.*

Southwestern students who are changing from another major to a BBA are also required to take BUAD 202 unless their advisor recommends an alternative.

Item #	Title	Credits
ACCT 211	Accounting Principles I	3
ACCT 212	Accounting Principles II	3
BUAD 202	Introduction to Contemporary Business	3
BUAD 211	Profiles of Entrepreneurship	3
BUAD 270	Management Information Systems	3
BUAD 301	Principles of Management	3
BUAD 311	Business Law	3
BUAD 460	Ethics and Business Social Responsibility	3
	BUAD 466 or ECON 401	3
BUAD 472	Business Policies and Strategies	3
ECON 211	Macroeconomics	3
ECON 212	Microeconomics	3
FNCE 321	Business Finance	3
IBUS 319	International Business	3
MKTG 343	Principles of Marketing	3

Accounting Core

Item #	Title	Credits
ACCT 315	Intermediate Accounting I	4
ACCT 316	Intermediate Accounting II	4
	ACCT Electives	10

Cognate Requirements

BUAD 317 or COMM 113 may be taken as an alternative to COMM 111 and also fulfill the communication competency requirement.

Item #	Title	Credits
COMM 111	Speech	3
CSIS 106	Comprehensive Spreadsheets	3
MATH 141	Introduction to Probability and Statistics	3
	Total credits:	72

B.B.A. Digital Marketing

The Digital Marketing degree integrates digital marketing topics into the existing traditional marketing curricula, providing students with the most vital and in-demand skills in the field as suggested by multiple Fortune 500 companies and successful startups.

Business Core Courses

Required of all BBA students.

**BUAD 202 is required of all Freshman BBA majors. Junior level transfer students may substitute a business elective for this class with approval from their advisor. Southwestern students who are changing from another major to a BBA are also required to take BUAD 202 unless their advisor recommends an alternative.*

Item #	Title	Credits
ACCT 211	Accounting Principles I	3
ACCT 212	Accounting Principles II	3
BUAD 202	Introduction to Contemporary Business	3
BUAD 211	Profiles of Entrepreneurship	3
BUAD 270	Management Information Systems	3
BUAD 301	Principles of Management	3
BUAD 311	Business Law	3
BUAD 460	Ethics and Business Social Responsibility	3
	BUAD 466 or ECON 401	3
BUAD 472	Business Policies and Strategies	3
ECON 211	Macroeconomics	3
ECON 212	Microeconomics	3
FNCE 321	Business Finance	3
IBUS 319	International Business	3
MKTG 343	Principles of Marketing	3

Digital Marketing Core

Item #	Title	Credits
MKTG 270	Social Media Strategy	3
MKTG 350	Consumer Behavior	3
MKTG 362	Email Marketing	3
MKTG 430	Search Engine Optimization (SEO) & Search Engine Marketing (SEM)	3
MKTG 440	Digital Marketing Analytics	3
MKTG 441	Viral & Organic Growth	3

Cognate Requirements

BUAD 317 or COMM 113 may be taken as an alternative to COMM 111 and also fulfill the communication competency requirement.

Item #	Title	Credits
COMM 111	Speech	3
CSIS 106	Comprehensive Spreadsheets	3
CSIS 110	Principles of Computer Programming I	3
CSIS 111	Principles of Computer Programming II	3
MATH 141	Introduction to Probability and Statistics	3
Total credits:		78

B.B.A. Esports & Gaming

The esports and gaming administration degree educates students about the nuances of the gaming industry. It seeks to address gaps in the traditional business education that - if addressed - would result in graduates who are significantly more employable within the games industry. Specifically, in addition to general business administration, this program teaches 1) the process by which games are made, 2) the go to market strategies typical of the industry, and 3) a clearer understanding of the various elements that come together for a successful esports event or league.

Business Core Courses

Required of all BBA students.

**BUAD 202 is required of all Freshman BBA majors. Junior level transfer students may substitute a business elective for this class with approval from their advisor. Southwestern students who are changing from another major to a BBA are also required to take BUAD 202 unless their advisor recommends an alternative.*

Item #	Title	Credits
ACCT 211	Accounting Principles I	3
ACCT 212	Accounting Principles II	3
BUAD 202	Introduction to Contemporary Business	3
BUAD 211	Profiles of Entrepreneurship	3
BUAD 270	Management Information Systems	3
BUAD 301	Principles of Management	3
BUAD 311	Business Law	3
BUAD 460	Ethics and Business Social Responsibility	3
	BUAD 466 or ECON 401	3
BUAD 472	Business Policies and Strategies	3
ECON 211	Macroeconomics	3
ECON 212	Microeconomics	3
FNCE 321	Business Finance	3
IBUS 319	International Business	3
MKTG 343	Principles of Marketing	3

Esports & Gaming Core

Item #	Title	Credits
BUAD 230	History of Game Development	3
BUAD 231	Introduction to Game Design	3
BUAD 240	Introduction to Esports Management	3
BUAD 241	Convention, Event and Trade Show Planning	3
BUAD 280	Introduction to Project Management	3
BUAD 332	Distribution of Games	3

Cognate Requirements

BUAD 317 or COMM 113 may be taken as an alternative to COMM 111 and also fulfill the communication competency requirement.

Item #	Title	Credits
ACCT 317	Cost Accounting	3
COMM 111	Speech	3
CSIS 106	Comprehensive Spreadsheets	3
MATH 141	Introduction to Probability and Statistics	3
Total credits:		75

B.B.A. Finance

Business Core Courses

Required of all BBA students.

**BUAD 202 is required of all Freshman BBA majors. Junior level transfer students may substitute a business elective for this class with approval from their advisor. Southwestern students who are changing from another major to a BBA are also required to take BUAD 202 unless their advisor recommends an alternative.*

Item #	Title	Credits
ACCT 211	Accounting Principles I	3
ACCT 212	Accounting Principles II	3
BUAD 202	Introduction to Contemporary Business	3
BUAD 211	Profiles of Entrepreneurship	3
BUAD 270	Management Information Systems	3
BUAD 301	Principles of Management	3
BUAD 311	Business Law	3
BUAD 460	Ethics and Business Social Responsibility	3
	BUAD 466 or ECON 401	3
BUAD 472	Business Policies and Strategies	3
ECON 211	Macroeconomics	3
ECON 212	Microeconomics	3
FNCE 321	Business Finance	3
IBUS 319	International Business	3
MKTG 343	Principles of Marketing	3

Finance Core

Item #	Title	Credits
	FNCE 422 or 433	3
	FNCE 450 or 455	3
	Finance Electives	12

Cognate Requirements

***BUAD 317 or COMM 113 may be taken as an alternative to COMM 111 and also fulfill the communication competency requirement.*

Item #	Title	Credits
COMM 111	Speech	3
CSIS 106	Comprehensive Spreadsheets	3
MATH 141	Introduction to Probability and Statistics	3
	Total credits:	18

B.B.A. Human Resources Management

Business Core Courses

Required of all BBA students.

**BUAD 202 is required of all Freshman BBA majors. Junior level transfer students may substitute a business elective for this class with approval from their advisor. Southwestern students who are changing from another major to a BBA are also required to take BUAD 202 unless their advisor recommends an alternative.*

Item #	Title	Credits
ACCT 211	Accounting Principles I	3
ACCT 212	Accounting Principles II	3
BUAD 202	Introduction to Contemporary Business	3
BUAD 211	Profiles of Entrepreneurship	3
BUAD 270	Management Information Systems	3
BUAD 301	Principles of Management	3
BUAD 311	Business Law	3
BUAD 460	Ethics and Business Social Responsibility	3
	BUAD 466 or ECON 401	3
BUAD 472	Business Policies and Strategies	3
ECON 211	Macroeconomics	3
ECON 212	Microeconomics	3
FNCE 321	Business Finance	3
IBUS 319	International Business	3
MKTG 343	Principles of Marketing	3

Human Resources Management Core

Item #	Title	Credits
BUAD 317	Business Communication	3
BUAD 372	Human Resources Management	3
BUAD 374	Training and Development	3
BUAD 375	Total Compensation Management	3
BUAD 376	Employment and Labor Law	3
BUAD 377	Human Resource Risk Management	3
BUAD 423	Organizational Behavior	3

Cognate Requirements

The General Education speech requirement is satisfied through BUAD 317 which is completed in the degree section of this major.

Item #	Title	Credits
COMM 111	Speech	3
CSIS 106	Comprehensive Spreadsheets	3
MATH 141	Introduction to Probability and Statistics	3
	Total credits:	75

B.B.A. International Business

Business Core Courses

Required of all BBA students.

**BUAD 202 is required of all Freshman BBA majors. Junior level transfer students may substitute a business elective for this class with approval from their advisor. Southwestern students who are changing from another major to a BBA are also required to take BUAD 202 unless their advisor recommends an alternative.*

Item #	Title	Credits
ACCT 211	Accounting Principles I	3
ACCT 212	Accounting Principles II	3
BUAD 202	Introduction to Contemporary Business	3
BUAD 211	Profiles of Entrepreneurship	3
BUAD 270	Management Information Systems	3
BUAD 301	Principles of Management	3
BUAD 311	Business Law	3
BUAD 460	Ethics and Business Social Responsibility	3
	BUAD 466 or ECON 401	3
BUAD 472	Business Policies and Strategies	3
ECON 211	Macroeconomics	3
ECON 212	Microeconomics	3
FNCE 321	Business Finance	3
IBUS 319	International Business	3
MKTG 343	Principles of Marketing	3

International Business Core

Item #	Title	Credits
BUAD 453	Cross-Cultural Studies	3
FNCE 452	International Finance	3
POLS 320	American International Relations	3
	Intermediate Foreign Language	6
	International Experience	3

Cognate Requirements

***BUAD 317 or COMM 113 may be taken as an alternative to COMM 111 and also fulfill the communication competency requirement.*

Item #	Title	Credits
COMM 111	Speech	3
CSIS 106	Comprehensive Spreadsheets	3
MATH 141	Introduction to Probability and Statistics	3
	Total credits:	72

B.B.A. Management

The Management concentration provides education and training in theoretical and applied management principles and functions. Emphasis is placed on skills in communication, human resources, decision making, and organizational behavior.

Business Core Courses

Required of all BBA students.

**BUAD 202 is required of all Freshman BBA majors. Junior level transfer students may substitute a business elective for this class with approval from their advisor. Southwestern students who are changing from another major to a BBA are also required to take BUAD 202 unless their advisor recommends an alternative.*

Item #	Title	Credits
ACCT 211	Accounting Principles I	3
ACCT 212	Accounting Principles II	3
BUAD 202	Introduction to Contemporary Business	3
BUAD 211	Profiles of Entrepreneurship	3
BUAD 270	Management Information Systems	3
BUAD 301	Principles of Management	3
BUAD 311	Business Law	3
BUAD 460	Ethics and Business Social Responsibility	3
	BUAD 466 or ECON 401	3
BUAD 472	Business Policies and Strategies	3
ECON 211	Macroeconomics	3
ECON 212	Microeconomics	3
FNCE 321	Business Finance	3
IBUS 319	International Business	3
MKTG 343	Principles of Marketing	3

Management Core

Item #	Title	Credits
BUAD 317	Business Communication	3
BUAD 372	Human Resources Management	3
BUAD 423	Organizational Behavior	3
	B.B.A. Management Electives 2020-Present	9

Cognate Requirements

The General Education speech requirement is satisfied through BUAD 317 which is completed in the degree section of this major.

Item #	Title	Credits
CSIS 106	Comprehensive Spreadsheets	3
MATH 141	Introduction to Probability and Statistics	3
	Total credits:	69

B.B.A. Management Senior Living Administration Emphasis

The senior living industry (e.g., assisted living, independent living, and memory care) is rapidly growing and in need of compassionate leaders with the management skills to meet the needs and desires of the senior population. Southwestern Adventist University's Bachelor of Business Administration with a concentration in Management and an emphasis in Senior Living Administration will meet the educational needs of aspiring senior living leaders. Students will gain a foundational understanding of the key areas of business administration and management as well as how to apply these principles in the successful operation of a senior living community. Additionally, students will become knowledgeable on topics specifically related to the industry such as federal and state regulations, senior wellness and community operations. According to the Texas licensing standards for assisted living facilities, the program meets and exceeds the educational requirements to be an assisted living manager in the state of Texas.

Business Core Courses

Required of all BBA students.

*BUAD 202 is required of all Freshman BBA majors. Junior level transfer students may substitute a business elective for this class with approval from their advisor. Southwestern students who are changing from another major to a BBA are also required to take BUAD 202 unless their advisor recommends an alternative.

Item #	Title	Credits
ACCT 211	Accounting Principles I	3
ACCT 212	Accounting Principles II	3
BUAD 202	Introduction to Contemporary Business	3
BUAD 211	Profiles of Entrepreneurship	3
BUAD 270	Management Information Systems	3
BUAD 301	Principles of Management	3
BUAD 311	Business Law	3
BUAD 460	Ethics and Business Social Responsibility	3
	BUAD 466 or ECON 401	3
BUAD 472	Business Policies and Strategies	3
ECON 211	Macroeconomics	3
ECON 212	Microeconomics	3
FNCE 321	Business Finance	3
IBUS 319	International Business	3
MKTG 343	Principles of Marketing	3

Management Concentration

Item #	Title	Credits
BUAD 317	Business Communication	3
BUAD 372	Human Resources Management	3
BUAD 423	Organizational Behavior	3

Senior Living Emphasis

Item #	Title	Credits
BSLM 310	Introduction to Senior Living Administration	3
BSLM 320	Resident-Centered Care and Services	3
BSLM 492	Senior Living Internship	3-8

Cognate Requirements

The General Education speech requirement is satisfied through BUAD 317 which is completed in the degree section of this major.

Item #	Title	Credits
CSIS 106	Comprehensive Spreadsheets	3
ALHE 112	Medical Terminology	1
PSYC 330	Life Transitions, Grief and Loss	3
MATH 141	Introduction to Probability and Statistics	3
Total credits:		73

B.B.A. Marketing

Business Core Courses

Required of all BBA students.

**BUAD 202 is required of all Freshman BBA majors. Junior level transfer students may substitute a business elective for this class with approval from their advisor. Southwestern students who are changing from another major to a BBA are also required to take BUAD 202 unless their advisor recommends an alternative.*

Item #	Title	Credits
ACCT 211	Accounting Principles I	3
ACCT 212	Accounting Principles II	3
BUAD 202	Introduction to Contemporary Business	3
BUAD 211	Profiles of Entrepreneurship	3
BUAD 270	Management Information Systems	3
BUAD 301	Principles of Management	3
BUAD 311	Business Law	3
BUAD 460	Ethics and Business Social Responsibility	3
	BUAD 466 or ECON 401	3
BUAD 472	Business Policies and Strategies	3
ECON 211	Macroeconomics	3
ECON 212	Microeconomics	3
FNCE 321	Business Finance	3
IBUS 319	International Business	3
MKTG 343	Principles of Marketing	3

Marketing Core

Item #	Title	Credits
MKTG 350	Consumer Behavior	3
MKTG 351	Advertising	3
MKTG 443	Marketing Research	3
	Marketing Electives	9

Cognate Requirements

***BUAD 317 or COMM 113 may be taken as an alternative to COMM 111 and also fulfill the communication competency requirement.*

Item #	Title	Credits
COMM 111	Speech	3
CSIS 106	Comprehensive Spreadsheets	3
MATH 141	Introduction to Probability and Statistics	3
	Total credits:	72

B.B.A. Operations Management

Business Core Courses

Required of all BBA students.

**BUAD 202 is required of all Freshman BBA majors. Junior level transfer students may substitute a business elective for this class with approval from their advisor. Southwestern students who are changing from another major to a BBA are also required to take BUAD 202 unless their advisor recommends an alternative.*

Item #	Title	Credits
ACCT 211	Accounting Principles I	3
ACCT 212	Accounting Principles II	3
BUAD 202	Introduction to Contemporary Business	3
BUAD 211	Profiles of Entrepreneurship	3
BUAD 270	Management Information Systems	3
BUAD 301	Principles of Management	3
BUAD 311	Business Law	3
BUAD 460	Ethics and Business Social Responsibility	3
	BUAD 466 or ECON 401	3
BUAD 472	Business Policies and Strategies	3
ECON 211	Macroeconomics	3
ECON 212	Microeconomics	3
FNCE 321	Business Finance	3
IBUS 319	International Business	3
MKTG 343	Principles of Marketing	3

Required Courses

Item #	Title	Credits
BUAD 467	Supply Chain Analysis	3
BUAD 468	Logistics Management	3
BUAD 469	Quality Control and Improvement	3
BUAD 470	Business Intelligence and Analytics	3
	Operations Electives	6

Cognate Requirements

***BUAD 317 or COMM 113 may be taken as an alternative to COMM 111 and also fulfill the communication competency requirement.*

Item #	Title	Credits
COMM 111	Speech	3
CSIS 106	Comprehensive Spreadsheets	3
MATH 141	Introduction to Probability and Statistics	3
	Total credits:	72

B.B.A. Professional Accounting

The CPA (Certified Public Accountant) license adds a great deal of value to a standard accounting degree. According to Department of Labor statistics, a CPA earns on average 10-15% more than an unlicensed accountant per year. To sit for the CPA exam in the state of Texas, candidates must have at least 150 hours of college credit (undergraduate or graduate work) that include 30 hours of upper division accounting, 24 hours of related business classes, 2 research components, and a business communication course. The program adds enough credits to the current Accounting emphasis for a student to be able to sit for the exam upon graduation.

Business Core Courses

Required of all BBA students.

*BUAD 202 is required of all Freshman BBA majors. Junior level transfer students may substitute a business elective for this class with approval from their advisor.

Southwestern students who are changing from another major to a BBA are also required to take BUAD 202 unless their advisor recommends an alternative.

Item #	Title	Credits
ACCT 211	Accounting Principles I	3
ACCT 212	Accounting Principles II	3
BUAD 202	Introduction to Contemporary Business	3
BUAD 211	Profiles of Entrepreneurship	3
BUAD 270	Management Information Systems	3
BUAD 301	Principles of Management	3
BUAD 311	Business Law	3
BUAD 460	Ethics and Business Social Responsibility	3
	BUAD 466 or ECON 401	3
BUAD 472	Business Policies and Strategies	3
ECON 211	Macroeconomics	3
ECON 212	Microeconomics	3
FNCE 321	Business Finance	3
IBUS 319	International Business	3
MKTG 343	Principles of Marketing	3

Accounting Emphasis

Item #	Title	Credits
ACCT 315	Intermediate Accounting I	4
ACCT 316	Intermediate Accounting II	4
ACCT 317	Cost Accounting	3
ACCT 319	Fund Accounting	3
ACCT 412	Auditing	3
ACCT 415	Advanced Accounting	3
ACCT 417	Accounting Information Systems	3
ACCT 418	Federal Income Taxes	4
ACCT 492	Accounting Internship	3-8
BUAD 317	Business Communication	3
	Required Business Electives (BUAD, IBUS, FNCE, ECON, MKTG)	24

Cognate Requirements

The General Education speech requirement is satisfied through BUAD 317 which is completed in the degree section of this major.

Item #	Title	Credits
CSIS 106	Comprehensive Spreadsheets	3
MATH 141	Introduction to Probability and Statistics	3
Total credits:		105

B.S. Business

The Bachelor of Science (BS) in Business is a business degree intended to be a general business degree. Additionally, this degree gives students pursuing other areas of interest (i.e., pre-med, pre-dental, pre-law, etc.) more flexibility to invest in other fields while still developing the breadth of management, interpersonal and professional skill required in today's complex business world. The BS in Business degree is also designed to be compatible with Southwestern's SWAUonline program.

Required Courses

BUAD 372, BUAD 423, and ECON 401 may be substituted for another business course with the approval of your advisor.

Item #	Title	Credits
ACCT 211	Accounting Principles I	3
BUAD 202	Introduction to Contemporary Business	3
BUAD 270	Management Information Systems	3
BUAD 301	Principles of Management	3
BUAD 311	Business Law	3
BUAD 317	Business Communication	3
BUAD 372	Human Resources Management	3
IBUS 319	International Business	3
	BUAD 423 or ECON 401	3
BUAD 460	Ethics and Business Social Responsibility	3
BUAD 472	Business Policies and Strategies	3
	ECON 211 or ECON 212	3
FNCE 321	Business Finance	3
MKTG 343	Principles of Marketing	3

Cognate Requirements

Item #	Title	Credits
CSIS 106	Comprehensive Spreadsheets	3
MATH 141	Introduction to Probability and Statistics	3
	Total credits:	48

Minor in Accounting

Required Courses

Item #	Title	Credits
ACCT 211	Accounting Principles I	3
ACCT 212	Accounting Principles II	3
ACCT 315	Intermediate Accounting I	4
ACCT 316	Intermediate Accounting II	4
	ACCT Electives upper division	4
	Total credits:	0

Minor in Business

Required Courses

Item #	Title	Credits
ACCT 211	Accounting Principles I	3
ACCT 212	Accounting Principles II	3
	ECON 211 or ECON 212	3
BUAD 301	Principles of Management	3
	BUAD Electives (upper division)	6
	Total credits:	18

Minor in Finance

Foundations

Item #	Title	Credits
ACCT 211	Accounting Principles I	3
ECON 211	Macroeconomics	3
FNCE 321	Business Finance	3
	FNCE 422 or 433	3
	FNCE 450 or 455	3

Finance Electives

Choose one class.

*Items count toward one requirement category only

Item #	Title	Credits
FNCE 422	Portfolio Management	3
FNCE 433	Investment Principles	3
FNCE 450	Working Capital Management	3
FNCE 452	International Finance	3
FNCE 455	Corporate Finance	3
FNCE 488	Advanced Finance	3
FNCE 493	Money and Banking	3
	Total credits:	18

Minor in International Business

Foundations

Item #	Title	Credits
ACCT 211	Accounting Principles I	3
ECON 211	Macroeconomics	3
FNCE 321	Business Finance	3

International Business Core

Item #	Title	Credits
BUAD 453	Cross-Cultural Studies	3
FNCE 452	International Finance	3
POLS 320	American International Relations	3
	Total credits:	18

Minor in Marketing

Required Courses

Item #	Title	Credits
ECON 212	Microeconomics	3
MKTG 343	Principles of Marketing	3
MKTG 452	International Marketing	3
	Marketing Minor Electives	9
	Total credits:	18

Business Administration Course Descriptions

ACCT 211: Accounting Principles I

Nature of accounting data and its use in business, fundamental procedures and records, operating cycle, preparation of financial statements, measurement of income and assets.

Credits: 3

Semester Offered: Fall

ACCT 212: Accounting Principles II

Accounting procedures and practices in partnerships and corporations, development of accounting data for use in management decisions, financial statement analysis, cash flow, income tax.

Credits: 3

Prerequisites:

ACCT 211

Semester Offered: Spring

ACCT 315: Intermediate Accounting I

An in-depth study of the theory and techniques of financial accounting, including an accounting conceptual framework, a review of the accounting process and financial statement presentation, liabilities, and accounting concerns and standards relating to both current and noncurrent assets. This course covers materials and methods tested on the CPA exam.

Credits: 4

Prerequisites:

ACCT 212

Semester Offered: Fall

ACCT 316: Intermediate Accounting II

A continuation of ACCT 315 emphasizing the application of accounting theory and standards to liabilities, equity, revenue recognition, leases, post-retirement benefits, income taxes, financial analysis, and accounting prices. Approximately one-quarter of this course deals with accounting research. This course covers materials and methods tested on the CPA exam.

Credits: 4

Prerequisites:

ACCT 315

Semester Offered: Spring

ACCT 317: Cost Accounting

An in-depth study of the technical aspects of cost accounting systems including cost allocations; joint product and by-product accounting; actual, standard, and direct cost methods. Process costing is emphasized. This course covers materials tested on the CPA exam.

Credits: 3

Prerequisites:

ACCT 212

Semester Offered: Fall, odd years

ACCT 319: Fund Accounting

Special accounting procedures for units of government and other not-for-profit organizations. This course covers materials and methods tested on the CPA exam.

Credits: 3

Prerequisites:

ACCT 212

Semester Offered: Spring odd years

ACCT 412: Auditing

A study of the theory and practice of auditing, with an emphasis on auditor compliance with governmental and professional regulations as well as ethical standards and on the detection of fraud. This course covers materials and methods tested on the CPA exam.

Credits: 3

Prerequisites:

ACCT 212

Semester Offered: Fall, odd years

ACCT 415: Advanced Accounting

A study of advanced accounting and financial reporting topics including business combinations and consolidated financial statements, partnerships and branches, bankruptcy, multinational enterprises, and segments. This course covers materials and methods tested on the CPA exam.

Credits: 3

Prerequisites:

ACCT 316

Semester Offered: Fall, even years

ACCT 417: Accounting Information Systems

A conceptual foundation of accounting information systems with emphasis on security, internal controls and setting up a computerized system using commercial accounting software.

Credits: 3

Prerequisites:

ACCT 212

Semester Offered: Spring odd years

ACCT 418: Federal Income Taxes

A study of the provisions of federal income tax laws as they apply to individuals, corporations, and other taxpayers. Emphasis is on personal income taxes, the various types of income, and the deductibility of costs and expenses in the determination of tax liability.

Approximately one-quarter of this course deals with tax accounting research. This course covers materials and methods tested on the CPA exam.

Credits: 4

Prerequisites:

ACCT 212

Semester Offered: Spring even years

ACCT 492: Accounting Internship

This course is an on-the-job, career-oriented internship program for training in accounting. Variable credit of 3-8 semester hours is available. Admission to internship is limited to students who have completed 40 semester hours in the business core and concentration and have maintained a GPA of at least 2.50 in the major. Prior approval of the business internship coordinator and department chair are required before the internship is started. The internship may count as one three-hour elective course in the accounting concentration. Note: A student may not exceed a total of 8 hours for ACCT 492, BUAD 492, and MKTG 492 combined. Eligible for IP grading. Grading is Pass/Fail.

Credits: 3-8

ACCT 498: Individual Study Topics

Designed for the student who wishes to do independent study or research. Content and method of study must be arranged prior to registration. May be repeated for a total of 3 credits.

Credits: 1-3

Prerequisites:

Permission of department chair

BSLM 310: Introduction to Senior Living Administration

This course will explore the philosophy and competitive environment of the senior living industry in the United States, including assisted living, independent living, and memory care communities. The federal and state laws and regulations applicable to the classification, construction, and operation of senior living communities will be reviewed and the student will become familiar with the Texas licensing standards for assisted living. The management and marketing of senior living communities, including legal and ethical considerations, will also be covered.

Credits: 3

Semester Offered: Periodically

BSLM 320: Resident-Centered Care and Services

This course will discuss how to provide excellent quality of care and customer service to all senior living facility stakeholders. Topics covered will include the aging process, person-centered care, service operations, family care considerations, senior healthcare, and memory care training.

Credits: 3

Semester Offered: Periodically

BSLM 492: Senior Living Internship

An on-the-job, career-oriented internship program for training in senior living management. Variable credit of 3-8 semester hours is available. Admission to internship is limited to students who have completed 40 semester hours in the business core and concentration and have maintained a GPA of at least 2.50 in the major. Prior approval of the business internship coordinator and department chair are required before the internship is started.

Credits: 3-8

BUAD 120: Personal Finance

An introduction to personal financial planning and the impact of economics, environment, age, geographic location, personal income and career choice on personal finances. Some topics include planning processes, budgets, taxes, credit, loans, insurance, investing and retirement planning.

Credits: 3

Semester Offered: Spring

BUAD 202: Introduction to Contemporary Business

An introduction to business models and functions within the current cultural and technological environments. Careers in each of the major areas of Business and common career orientation skills are introduced. The course further aims to provide practical research skills that are commonly used in the different functions of business. Additionally, the course serves as an instrument where the students' knowledge of business upon entering the program can be assessed as well as a place to introduce graduation requirements of the business program. Portfolio requirements are covered. Class Fee.

Credits: 3

Semester Offered: Fall

BUAD 211: Profiles of Entrepreneurship

A course exploring the essence of entrepreneurship as expressed by leading experts in the field and visiting business professionals who share their personal experience. Emphasis is placed on innovation and teamwork as class members engage in new venture development.

Credits: 3

Semester Offered: Spring

BUAD 230: History of Game Development

This course covers the history and evolution of electronic game development, focusing on technical innovations, design elements, and societal influence. The course will provide an overview of various software and hardware developments for the gaming industry, as well as examine the roles of designers, artists, programmers, and writers. Students will gain a global and historic view of the interactive entertainment field and its origins within the context of the game development process.

Offered every semester via Rize Consortium.

Credits: 3

Semester Offered: Fall, Spring

BUAD 231: Introduction to Game Design

This course is intended as an introduction to the fundamental principles of game creation, game design and narrative design. Students will gain an overview of the game creation process, learn how to analyze games and game elements, and gain practical experience in the first steps of game creation - proposals, storyboards and paper prototypes.

Offered every semester via Rize Consortium.

Credits: 3

Semester Offered: Fall, Spring

BUAD 240: Introduction to Esports Management

Intro to Esports Management starts with an introduction to the history of competitive gaming and continues with an exploration of its emerging ecosystem. Students will learn the complexities involved in understanding the dynamics of the esports industry and all of its stakeholders from gamers to billion-dollar media companies. We will dive into each element of this value chain and provide you with insight into the interoperations of all companies included in the landscape of esports.

Students will learn to navigate the structure of esports leagues, teams, players, gaming publishers, tournament operators, media, and affiliate organizations. Relevant projects, market analysis, and critical thinking will be utilized to understand management approaches that have succeeded and failed with recent esports ventures. Students will also learn baseline skills in esports streaming, broadcasting, marketing, public relations, and written communication.

Credits: 3

Semester Offered: Fall, Spring

BUAD 241: Convention, Event and Trade Show Planning

One of the major ways in which games are marketed to consumers is the convention. Shows like the Tokyo Game Show, PAX and E3 attract audiences ranging from 60,000 - 300,000 and serve as one of the best opportunities for game studios to generate excitement and favorable word-of-mouth for upcoming projects. Successfully executing a company presence at one of these shows requires a working understanding of budgeting, goal setting, demo creation, logistics, staffing, merchandising, and ROI evaluation, all topics covered in this course.

Credits: 3

Semester Offered: Fall, Spring

BUAD 250: Entrepreneurial Service Learning

Course open to business and non-business students who desire to learn the intricacies of project management and leadership through practice. Students will work as part of entrepreneurial teams to plan, design, develop, implement and evaluate projects. Projects will be focused on the improvement of economic, social or environmental issues in for-profit and non-profit settings. Each team will work independently, with the guidance of industry mentors and faculty coaches, to develop and implement specific projects. Enactus will be used as a means for accomplishing the practical aspects of the course. Course may be repeated.

Credits: 1

Semester Offered: Fall, Spring

BUAD 270: Management Information Systems

The fundamentals of information systems: hardware and software, extensive information on database systems, telecommunications, electronic commerce, and knowledge management. Spreadsheet applications will also be covered in depth.

Credits: 3

Prerequisites:

Grade of at least 70 on the computer entrance test, or CSIS 102 or CSIS 110 or permission of the department.

Semester Offered: Fall

BUAD 280: Introduction to Project Management

There are two basic approaches to project management - waterfall, and agile. Students will become familiar with both through this course. This course also introduces students to vital project-management concepts, including the lifecycle of projects. Students will also develop an understanding of how individual projects - and the larger programs they make up - fit within the context of an organization.

This course is essential for any students wishing to pursue an education in project management and helpful for students who wish to gain an understanding of the role of project management within the modern workforce.

Credits: 3

Semester Offered: Fall, Spring

BUAD 298: Individual Study Topics

Designed for the student who wishes to do independent study or research. Content and method of study must be arranged prior to registration. Alternatively, Selected Topics may be used for teaching special courses on a limited basis that are not listed otherwise in the bulletin. This class may be repeated for different topics.

Credits: 1-3

BUAD 299: Directed Group Study Topics

Provides academic departments an opportunity to offer courses in specialized or experimental areas, either lower or upper division, not listed in the undergraduate *Bulletin*. May be repeated for a total of 3 credits.

Credits: 1-3

Prerequisites:

Approval by department chair

BUAD 301: Principles of Management

A foundation course introducing the key management function of planning, organizing, leading, and controlling. Emphasis placed on leading and managing international organizations in a global economy and marketplace.

Credits: 3

Semester Offered: Fall

BUAD 302: Advanced Software Applications

Information systems, components of the Office suite, and integration of the individual software packages with one another and the Internet. Projects will challenge students to apply advanced software functions to real-life business scenarios.

Credits: 3

Prerequisites:

CSIS 102

BUAD 311: Business Law

A study of the legal issues confronted in business operations. A general overview of the legal environment is presented, followed by an in-depth examination of contract law and the law of agency. This course covers materials tested on the CPA exam.

Credits: 3

Semester Offered: Spring

BUAD 317: Business Communication

This course is designed to survey the principles and forms of communication frequently found in domestic and international organizations. Emphasis on oral and written communication theory and practice. This covers materials tested on the CPA Exam.

Credits: 3

Semester Offered: Spring

BUAD 332: Distribution of Games

The role of a publisher in the games industry is to ensure that a game can get in front of its audience successfully. To do that, a publisher must consider a variety of distribution strategies and channels. This course explains the role of a publisher in-game distribution and details the various channels by which a game can be distributed.

Offered every semester via Rize Consortium.

Credits: 3

Prerequisites:

BUAD 230

MKTG 343

Semester Offered: Fall, Spring

BUAD 372: Human Resources Management

A course designed to provide a working knowledge of personnel functions, with emphasis on recruitment, selection, training, job design, performance evaluation, wage/salary administration, and compliance with regulation.

Credits: 3

Semester Offered: Spring

BUAD 374: Training and Development

Training and staff development are keys to building an empowered and motivated workforce. This course is designed to help students develop knowledge and skill in the design, development, delivery, and evaluation of organizational training. It will also help students build skills in creating effective performance improvement programs, a vital resource in talent retention that is often overlooked. Lastly, students will be required to produce their own sample training plan.

Credits: 3

Prerequisites:

BUAD 372

Semester Offered: Fall, Spring

BUAD 375: Total Compensation Management

A study of the total compensation management function in business, as evidenced through the human resource framework. Major areas of activity will include job analysis, job evaluation, establishing pay structures, and benefits.

Credits: 3

Prerequisites:

BUAD 372

Semester Offered: Fall, Spring

BUAD 376 : Employment and Labor Law

This course is an overview of various laws and regulations that determine the rights and obligations of employees and employers. Topics covered include the nature of the employment relationship and common law principles, prohibitions against discrimination on the basis of certain protected characteristics such as race and gender, wage and hour law, the Family Medical Leave Act, the National Labor Relations Act, and other similar areas of labor and employment law. The primary focus is on federal laws governing the employment relationship, but there will also be discussion of state and local laws.

Offered every semester via Rize Consortium.

Credits: 3

Prerequisites:

BUAD 301

BUAD 311

BUAD 372

Semester Offered: Fall, Spring

BUAD 377: Human Resource Risk Management

This course examines the scope and role of HR in the occupational health and safety arena, the fundamental components of comprehensive programs and, more importantly, the interplay between these considerations and how important HR professionals are in their success. Topics covered include OSHA requirements, risk management and loss prevention, management of safety & workers' compensation, employee assistance plans, preventative health issues, emergency response and preparedness, and developing a culture of safety, amongst others. There will be focus on the fundamental components of a comprehensive health and safety program to protect the employees in an organization and costly liability.

Offered every semester via Rize Consortium.

Credits: 3

Prerequisites:

BUAD 372

BUAD 376

Semester Offered: Fall, Spring

BUAD 420: Project Management

Covers the essential tools, concepts and best practices of project management being used in today's real world. The course uses a managerial process approach that includes initiation, planning, executing, controlling and closing phases of a project. Some course topics include strategy and project selection, project definition, project times and costs, scheduling resources and costs, risk, and progress/performance measurement and evaluation. The course also utilizes information from the Project Management Institute (PMI) and the Project Management Body of Knowledge (PMBOK®) and will contribute to the preparation needed to pass the CAPM (Certified Associate in Project Management) certification exam.

Credits: 3

Semester Offered: Spring

BUAD 423: Organizational Behavior

A study of the understanding, prediction, and control of human behavior within organizations. Topics include motivation, learning, leadership, diversity, communication, interpersonal behavior, group dynamics, decision-making and change.

Credits: 3

Prerequisites:

BUAD 301

Semester Offered: Fall

BUAD 453: Cross-Cultural Studies

A study of communication between cultures in an ever-changing world. This course will examine the interdependent global society, the structure and identity of culture, worldviews and cultural values. The effects of cross cultural communication, both verbal and nonverbal, in business settings will be examined. Practical applications are made for cultural differences, management expectations, and marketing practices.

Credits: 3

Semester Offered: Spring

BUAD 460: Ethics and Business Social Responsibility

A study of the ethical, social, and legal responsibilities of business to its stakeholders, in relation to a dynamic macro-environment. Research paper required.

Credits: 3

Semester Offered: Fall

BUAD 466: Production and Operations Management

A study and analysis of the planning, design, direction, and control of physical and human resources used in the production of goods and services. Emphasis is placed on solutions to operational problems in the physical, locational, storage, and general service subsystems.

Credits: 3

Prerequisites:

MATH 141

Semester Offered: Fall

BUAD 467: Supply Chain Analysis

A study and analysis of the lean supply chain. Emphasis is placed in forecasting methods, demand analysis and the integration of demand into the production schedule throughout the value chain. Integrates advanced statistics and simulations.

Credits: 3

Prerequisites:

MATH 141

CSIS 106

Recommended: BUAD 466

Semester Offered: Spring odd years

BUAD 468: Logistics Management

A focused course within the supply chain, emphasizing the modes of transportation available, cost, timing, service and tradeoffs with overall production strategy. Explores storage and movement of goods throughout the production cycle.

Credits: 3

Prerequisites:

Recommended: BUAD 466

Semester Offered: Fall, odd years

BUAD 469: Quality Control and Improvement

A demonstration of mastery and technical proficiency in statistics and quality control, as prescribed very various different quality management systems such as Six Sigma and Agile. This includes foundations, measurement, analysis, improvement and controlling phases. Course includes a hands-on project for quality evaluation and improvement and a comprehensive exam. Students who pass the exam will earn an internationally recognized certification in quality management such as Six Sigma or Agile.

Credits: 3

Prerequisites:

MATH 141

Semester Offered: Spring even years

BUAD 470: Business Intelligence and Analytics

A practical course combining applied statistics and database software. Emphasis is placed on obtaining and extrapolating data to develop reports, workflows, schedules and operational decisions in the context of linear programming.

Credits: 3

Prerequisites:

MATH 141

CSIS 106

Recommended: BUAD 466

Semester Offered: Fall, even years

BUAD 472: Business Policies and Strategies

Subject to prior permission of department chair. An integrative capstone course that explains what policies are, how they relate to strategies, and how a manager builds a strategic dimension into his or her actions. Any problem or opportunity - accounting, management, marketing, finance, production, organizational, personnel or other organizational dimensions - if it materially affects a firm's performance, is of strategic concern. The Peregrine Business Administration Common Professional Component exam is taken and student participates in the Business Strategy Game simulation. Portfolio requirement and completion is covered. Lab Fee. Class Fee.

Credits: 3

Prerequisites:

Open only to seniors majoring in the department. Subject to prior permission of department chair.

Semester Offered: Spring

BUAD 492: Business Internship

An on-the-job, career-oriented internship program for training in business or operations management. Variable credit of 3-8 semester hours is available. Admission to internship is limited to students who have completed 40 semester hours in the business core and concentration and have maintained a GPA of at least 2.50 in the major. Prior approval of the business internship coordinator and department chair are required before the internship is started. The internship may count as one three-hour elective course in the management or operations management concentrations. Note: A student may not exceed a total of 8 hours for BUAD 492, ACCT 492, FNCE 492, IBUS 492, and MKTG 492 combined. Eligible for IP grading. Grading is Pass/Fail.

Credits: 3-8

BUAD 498: Individual Study Topics

Designed for the student who wishes to do independent study or research. Content and method of study must be arranged prior to registration. Alternatively, Selected Topics may be used for teaching special courses on a limited basis that are not listed otherwise in the bulletin. This class may be repeated for different topics.

Credits: 1-3

BUAD 499: Directed Group Study Topics

Provides academic departments an opportunity to offer courses in specialized or experimental areas, either lower or upper division, not listed in the undergraduate *Bulletin*. Student may be allowed to repeat the course for credit.

Credits: 1-3

Prerequisites:

Approval by department chair

ECON 211: Macroeconomics

A basic study of macroeconomics which includes national problems such as supply and demand, growth, output and productivity, inflation, employment, interest rates, trade balance, and fiscal and monetary policies.

Credits: 3

Semester Offered: Fall

ECON 212: Microeconomics

A basic study of microeconomics which includes supply and demand theory, production and operation cost theory, consumer theory, price theory, competition, market structures, economics of the firm, and the role of government.

Credits: 3

Semester Offered: Spring

ECON 401: Managerial Economics

A course designed to integrate advanced microeconomics theory and analysis into the strategy and analysis used in business management, operations, marketing and finance. Course will evaluate fundamentals of industry competition; the structure of markets and how firms participate in these markets; growth and consolidation of markets and governmental responses; analysis of market power; the predictive behavior of firms from the framework of a game model; competitive behaviors of firms that include price discrimination, collusion and vertical integration, industrial regulation and public policy.

Credits: 3

Prerequisites:

ECON 211

Recommended: **MATH 141**

Semester Offered: Fall

FNCE 321: Business Finance

A survey of the field of finance, both private and public. Emphasis is placed on current problems in the field. Financial institutions are discussed, and loans and investment practices are analyzed.

Credits: 3

Prerequisites:

ACCT 211

Semester Offered: Fall

FNCE 422: Portfolio Management

This course will focus on portfolio optimization and asset allocation, the basics of bond pricing and debt portfolio management, the theory of asset pricing models and their pricing and debt portfolio management, the theory of asset pricing models and their implications for investment as well as techniques for evaluating investment management performance. The course will build upon the analytical skills developed in Financial Management. Class Fee.

Credits: 3

Prerequisites:

FNCE 321

Semester Offered: Spring odd years

FNCE 433: Investment Principles

Provides the student with the tools necessary for evaluating investments, including stocks, bonds, options and commodities. Evaluate the organization of securities markets, mutual fund investing, efficient market hypothesis, and fundamental analysis and valuation. Additionally, it presents a systematic methodology for constructing efficient portfolios and evaluating portfolio performance. Class Fee.

Credits: 3

Prerequisites:

FNCE 321

Semester Offered: Spring even years

FNCE 450: Working Capital Management

This course includes topics addressing short-term financial management and covers the cost to benefit trade-offs of liquidity, management of working capital, management and budgeting of cash, short-term investing and financing issues.

Credits: 3

Prerequisites:

FNCE 321

Semester Offered: Spring even years

FNCE 452: International Finance

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. Class Fee.

Credits: 3

Prerequisites:

FNCE 321

ECON 211

Semester Offered: Spring

FNCE 455: Corporate Finance

A course exploring advanced topics in 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 distribution. The course will cover working capital issues, advanced capital budgeting, capital structure, leases, hybrid securities, hedging and specific derivatives, shareholder distributions, mergers, divestitures, firm failure and some international financial management areas.

Credits: 3

Prerequisites:

FNCE 321

Semester Offered: Spring

FNCE 492: Finance Internship

An on-the-job, career-oriented internship program for training in Finance. Variable credit of 3-8 semester hours is available. Admission to internship is limited to students who have completed 40 semester hours in the business core and concentration and have maintained a GPA of at least 2.50 in the major. Prior approval of the business internship coordinator and department chair are required before the internship is started. The internship may count as one three-hour elective course in the Finance concentration. Note: A student may not exceed a total of 8 hours for BUAD 492, ACCT 492, FNCE 492, IBUS 492, and MKTG 492 combined. Eligible for IP grading. Grading is pass/fail.

Credits: 3-8

Prerequisites:

40 semester hours in the business core

FNCE 493: Money and Banking

This course addresses classical and contemporary issues in the theory of money, banking, and financial institutions. Topics covered include: the gold standard, the structure of central banks and the Federal Reserve system, theories of money demand and money supply, the relationship between money supply and overall economic activity, the theoretical and practical aspects of monetary policies and money creation, the efficacy of fiscal policies versus monetary policies, and the role the Federal Reserve plays in economic stabilization. We shall pay particular attention to the money creation process, to endogenous money versus exogenous money, and to the ability of the Federal Reserve to stabilize the economy.

Credits: 3

Prerequisites:

ECON 211

Semester Offered: Fall, even years

IBUS 310: International Business Study Tour

A course emphasizing a particular topic approached through travel and on-site visits to business-related locations associated with the specified topic. Subsidiary emphases of historical context, culture, language, and arts may be included to support and complement the business topic selected. The student will submit a research project as directed by the instructor. Specific topics may be applied toward the electives of a specific B.B.A. concentration, as approved by the instructor and concentration adviser. To meet the requirements of the International Experience of the B.B.A. International Business degree, the student must attend a trip that primarily visits countries other than citizenship or permanent residency. May be repeated.

Credits: 3

Semester Offered: Summer

IBUS 319: International Business

A survey of how various cultures, social values, political and economic systems influence management and marketing practices throughout the world. The course will explore the nature of global trade, cross-border governance and regulations, foreign direct investment, international trade contracts, working in multiple currencies and multinational business corporate strategy.

Credits: 3

Semester Offered: Spring

IBUS 492: International Business Internship

An on-the-job, career-oriented internship program for training in international business. Variable credit of 3-8 semester hours is available. Admission to internship is limited to students who have completed 40 semester hours in the business core and concentration and have maintained a GP A of at least 2.50 in the major. Prior approval of the business internship coordinator and department chair are required before the internship is started. The internship may count as one three-hour elective course in the International Business concentration, however, the student must work in a country other than citizenship or permanent residency. Note: A student may not exceed a total of 8 hours for BUAD 492, ACCT 492, FNCE 492, IBUS 492, and MKTG 492 combined. Eligible for IP grading. Grading is pass/fail.

Credits: 3-8

Prerequisites:

40 semester hours in the business core

MKTG 237: Video Production

This course includes segments on lighting, the video camera, the production switcher, equipment interconnection, digital nonlinear editing, and program production for television. Emphasis is given to multiple camera techniques for both studio and location productions. Supplies fee. (Also taught as **COMM 237**)

Credits: 3

Semester Offered: Spring

MKTG 241: Public Relations

A course dealing with definitions, basic objectives, and concepts of public relations. Attention is given to the role of public relations, research for public relations, public and target audiences, communication concepts and channels, campaigns, and the legal and ethical environment of public relations. (Also taught as **COMM 241**)

Credits: 3

Prerequisites:

BUAD 231

Semester Offered: Fall

MKTG 270: Social Media Strategy

This course introduces students to both the theory and application of today's social media platforms and digital tools. Students will explore the development and influence of user-generated content as well as strategic use of branded content, all in the context of managing multiple digital channels. We will study theories on how content goes viral and examine case studies on ways viral videos have impacted the reputation of individuals and corporations. Overall, students will learn best practices in social media marketing as used by content creators, brands and major institutions.

Credits: 3

Semester Offered: Fall, even years

MKTG 343: Principles of Marketing

An introductory course dealing with basic marketing concepts. Emphasis is placed on managerial decisions to meet customer needs in the areas of product design, price, promotion, and distribution. Lab Fee.

Credits: 3

Semester Offered: Fall

MKTG 350: Consumer Behavior

An integration of marketing theory and the behavioral sciences in order to understand choices and influences in consumer decision behavior.

Credits: 3

Prerequisites:

MKTG 343

Semester Offered: Spring

MKTG 351: Advertising

This course studies the role of advertising in society, its impact on the economy, its function in business and marketing, and its communication aspects, including media applications. Attention is given to social, legal, and ethical considerations, the business of advertising, consumer behavior, and creative strategies and processes. (Also taught as **COMM 351**)

Credits: 3

Semester Offered: Spring

MKTG 362: Email Marketing

Email marketing is one of the primary avenues by which modern businesses drive customer acquisition. This course will teach students how to craft successful email marketing campaigns when targeting business or individual customers. Students will also learn how to use email campaigns for customer engagement and activation.

Students will learn how to write emails that drive customers to take desired actions, and how to structure email campaigns for maximum effect. This course will ask students to build their own marketing campaigns to advertise an imaginary product, and to evaluate and improve existing email campaigns.

Offered every semester via Rize Consortium.

Credits: 3

Prerequisites:

MKTG 343

MKTG 430: Search Engine Optimization (SEO) & Search Engine Marketing (SEM)

When a potential customer is looking for a product, how do they find the right one? Often times, they'll ask Google or other search engines. Search Engine Optimization (SEO) and Search Engine Marketing (SEM) help companies become more visible to customers by ensuring that they are among the first companies someone sees when doing initial research.

This course is intended to introduce students to the concepts of Social Media Marketing and Optimization, and teach them how to use these tools to drive top-of-funnel growth, also known as lead generation.

Offered every semester via Rize Consortium.

Credits: 3

Prerequisites:

MKTG 343

MKTG 440: Digital Marketing Analytics

Marketing professionals today have access to incredible amounts of data. The ability to use this data is what differentiates successful marketing efforts from failed ones. In this course, students will learn how to analyze digital customer behavior data using a range of tools and use that data to test marketing hypotheses and improve customer acquisition.

Offered every semester via Rize Consortium.

Credits: 3

Prerequisites:

MKTG 270

MKTG 343

MKTG 270 Social Media Marketing, MKTG 343 Principles of Marketing or MKTG 362 Email Marketing, or MKTG 430 Search Engine Optimization (SEO) and Search Engine Marketing (SEM)

MKTG 441: Viral & Organic Growth

Viral and organic growth have become the gold standard by which content marketing efforts are judged. This type of growth is highly valuable because it tends to be relatively cost-efficient. Companies which generate content that spreads through the internet with minimal effort and cost are among the most successful at growing their brand awareness and user base. This course is intended to teach students what drives users to share content, how to build shareable content, and how to run contests and perform other activities that tend to lead to viral or organic growth.

Offered every semester via Rize Consortium.

Credits: 3

Prerequisites:

MKTG 270

MKTG 343

MKTG 442: Applied Advertising and Public Relations

This course uses team projects to teach the tools and techniques necessary to work in the fields of advertising and public relations. Advertising assignments may include, but are not limited to, image and identity, political advertising, jingles and slogans, campaigns for large and small companies, and demographic and psychographic research. Public relations assignments may include, but are not limited to, crisis management, special events, media relations, publications, and internal communications. (Also taught as **COMM 442**)

Credits: 3

Semester Offered: Fall, even years

MKTG 443: Marketing Research

An overview of research theories, concepts, and methodologies as applied to marketing problems. Attention is directed toward the application of sampling, sample design, data analysis of marketing problems, and how findings are used in formulating marketing policies.

Credits: 3

Prerequisites:

MKTG 343

Semester Offered: Spring odd years

MKTG 492: Marketing Internship

This course is an on-the-job, career-oriented internship program for training in marketing and e-commerce. Variable credit of 3-8 hours is available. Admission to internship is limited to students who have completed 40 semester hours in the business core and concentration and have maintained a GPA of at least 2.50 in the major. Prior approval of both the business internship coordinator and the department chair is required before the internship is started. The internship may count as one three-hour elective course in the marketing concentration. 45 work hours for each internship credit are needed. Note: A student may not exceed a total of 8 hours for MKTG 492, ACCT 492 and BUAD 492 combined. Eligible for IP grading. Grading is Pass/Fail.

Credits: 3-8

Chemistry and Physics

Faculty/Staff

Nicholas Madhiri, Chair; Gerald Springer

Aims of the Chemistry Program

The aim of the chemistry program is to develop in students the ability to think critically and creatively. The chemistry curriculum is designed to provide the student with a strong background in the areas of organic chemistry, biochemistry, analytical chemistry and physical chemistry. The major will serve as a solid foundation upon which the candidate can build a professional career or a more specialized graduate program.

B.A. Chemistry

Required Courses

Item #	Title	Credits
CHEM 111	General Chemistry I	4
CHEM 112	General Chemistry II	4
CHEM 201	Research Methods in the Physical Sciences	1
CHEM 221	Modern Analytical Chemistry	4
CHEM 231	Organic Chemistry I	4
CHEM 232	Organic Chemistry II	4
CHEM 341	Physical Chemistry I	4
CHEM 431	Biochemistry I	3
CHEM 432	Biochemistry I Lab	1
CHEM 462	Inorganic Chemistry	3
CHEM 475	Research Methods in Chemistry	4
	CHEM Electives upper division	4

Required Cognates

Item #	Title	Credits
MATH 181	Calculus I	4
PHYS 121	General Physics I	4
PHYS 122	General Physics II	4

Recommended cognates:

Item #	Title	Credits
MATH 182	Calculus II	4
MATH 283	Calculus III	4
CSIS 110	Principles of Computer Programming I	3
PHYS 221	General Physics with Calculus I	1
PHYS 222	General Physics with Calculus II	1
	Total credits:	65

B.S. Biochemistry

Required Courses

Item #	Title	Credits
BIOL 111	General Biology I	4
BIOL 112	General Biology II	4
BIOL 340	Cell and Molecular Biology I	4
	Biochemistry Electives	4
CHEM 111	General Chemistry I	4
CHEM 112	General Chemistry II	4
CHEM 201	Research Methods in the Physical Sciences	1
CHEM 221	Modern Analytical Chemistry	4
CHEM 231	Organic Chemistry I	4
CHEM 232	Organic Chemistry II	4
CHEM 341	Physical Chemistry I	4
CHEM 431	Biochemistry I	3
CHEM 432	Biochemistry I Lab	1
CHEM 433	Biochemistry II	3
CHEM 434	Biochemistry II Lab	1
CHEM 475	Research Methods in Chemistry	4
	CHEM Electives upper division	4

Required Cognates

Item #	Title	Credits
MATH 181	Calculus I	4
MATH 182	Calculus II	4
MATH 283	Calculus III	4
PHYS 121	General Physics I	4
PHYS 122	General Physics II	4

Recommended Cognates

Item #	Title	Credits
PHYS 221	General Physics with Calculus I	1
PHYS 222	General Physics with Calculus II	1
RELT 419	Philosophy of Science	3
	Total credits:	82

B.S. Chemistry

Required Courses

Item #	Title	Credits
CHEM 111	General Chemistry I	4
CHEM 112	General Chemistry II	4
CHEM 201	Research Methods in the Physical Sciences	1
CHEM 221	Modern Analytical Chemistry	4
CHEM 231	Organic Chemistry I	4
CHEM 232	Organic Chemistry II	4
CHEM 341	Physical Chemistry I	4
CHEM 342	Physical Chemistry II	4
CHEM 431	Biochemistry I	3
CHEM 432	Biochemistry I Lab	1
CHEM 462	Inorganic Chemistry	3
CHEM 475	Research Methods in Chemistry	4
	BS CHEM Electives upper division	4

Required Cognates

Item #	Title	Credits
CSIS 110	Principles of Computer Programming I	3
MATH 181	Calculus I	4
MATH 182	Calculus II	4
MATH 283	Calculus III	4
PHYS 121	General Physics I	4
PHYS 122	General Physics II	4

Recommended Cognates

Item #	Title	Credits
MATH 321	Differential Equations	3
PHYS 221	General Physics with Calculus I	1
PHYS 222	General Physics with Calculus II	1
	Intermediate Foreign Language	6
	Total credits:	78

B.S. Physical Science with Chemistry Emphasis Secondary Teaching Area

B.S. Physical Science with Chemistry Emphasis Secondary Teaching Area Teaching Certification Program

The following Physical Science major is for teaching certification only. Requirements for certification are listed in the Education section of this *Bulletin*.

You must make formal application for admittance to the Teacher Education Program. Applications are available at the Education Department Office.

Item #	Title	Credits
CHEM 111	General Chemistry I	4
CHEM 112	General Chemistry II	4
CHEM 201	Research Methods in the Physical Sciences	1
CHEM 231	Organic Chemistry I	4
CHEM 232	Organic Chemistry II	4
CHEM 341	Physical Chemistry I	4
CHEM 431	Biochemistry I	3
CHEM 432	Biochemistry I Lab	1
CHEM 462	Inorganic Chemistry	3
CHEM 475	Research Methods in Chemistry	4
PHYS 112	Introductory Astronomy	4
PHYS 121	General Physics I	4
PHYS 122	General Physics II	4
PHYS 221	General Physics with Calculus I	1
PHYS 222	General Physics with Calculus II	1
	CHEM Minor Electives 6 hours upper division	10
	Total credits:	56

Minor in Chemistry

Required Courses

Item #	Title	Credits
CHEM 111	General Chemistry I	4
CHEM 112	General Chemistry II	4
	CHEM Minor Electives 6 hours upper division	10
	Total credits:	18

Chemistry and Physics Course Descriptions

CHEM 105: Survey of Chemistry

An introduction to the fundamental principles of chemistry, plus additional introductory topics from organic and biochemistry with an emphasis on human metabolism. Not applicable to major, minor, or teaching sequence. Lab fee.

Credits: 4

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

Appropriate mathematics placement score or MATH 013 with a grade of C- or higher.

Semester Offered: Fall

CHEM 111: General Chemistry I

This course develops basic topics such as atomic structure, periodicity, chemical equations, chemical bonding, solutions, nomenclature, and states of matter. Lab Fee.

Credits: 4

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

MATH 110 with a grade of C- or higher, or high school Algebra II with grade of B or higher or permission of chemistry faculty, or corequisite: MATH 121 or higher.

Semester Offered: Fall

CHEM 112: General Chemistry II

A continuation of CHEM 111. Included are discussions of kinetics, acids and bases, equilibrium, electrochemistry, and introduction to nuclear and organic chemistry. Lab fee.

Credits: 4

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

CHEM 111 with a grade of C- or higher.

Semester Offered: Spring

CHEM 201: Research Methods in the Physical Sciences

An introduction to the library research skills used in the physical sciences, especially chemistry. The use of primary and secondary sources including the use of on-line databases will be discussed as well as publication styles. Students will engage in activities to sharpen critical thinking. In this course, majors in the physical sciences begin the process of senior portfolio development.

Credits: 1

Prerequisites:

ENGL 121 and PHYS 121, 122 or CHEM 111, 112

Semester Offered: Spring

CHEM 221: Modern Analytical Chemistry

A course in which quantitative and instrumental techniques of chemical analysis are combined. Emphasis will be on developing analytical skills.

Credits: 4

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

CHEM 112 with grade of C- or higher

Semester Offered: Fall, even years

CHEM 231: Organic Chemistry I

This course deals with the theory and applications of basic organic chemistry. Included is the study of alkanes, alkenes, alkynes, simple aromatics, alkyl halides, alcohols, ethers, and spectroscopic methods. Lab fee.

Credits: 4

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

CHEM 112 with a grade of C- or higher

Semester Offered: Fall

CHEM 232: Organic Chemistry II

A continuation of the study of basic organic chemistry. Includes carboxylic acids, aldehydes, ketones, amines, heterocyclics, unsaturated carbonyl compounds, carbohydrates, phenols, glycols and epoxides. Lab fee.

Credits: 4

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

CHEM 231 with a grade of C- or higher

Semester Offered: Spring

CHEM 298: Individual Study Topics

This course offers the lower division student opportunity for independent study under the direction of a faculty member. This study may involve research, laboratory, or library work. Content and methods of study must be arranged prior to registration. May be repeated for a total of 2 credits.

Credits: 1-2

Prerequisites:

Permission of the department chair

CHEM 299: Directed Group Study Topics

Provides academic departments an opportunity to offer courses in specialized or experimental areas, either lower or upper division, not listed in the undergraduate *Bulletin*. May be repeated for a total of 3 credits.

Credits: 1-3

Prerequisites:

Approval by department chair

CHEM 310: Environmental and Geological Chemistry

Chemistry of how geological and anthropogenic activities impact Earth's hydrosphere, continents, and atmosphere.

. Lab fee. (Offered periodically)

Credits: 4

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

CHEM 112 or equivalent with a grade of C- or higher,
MATH 181 or permission of instructor

Semester Offered: Periodically

CHEM 341: Physical Chemistry I

Rigorous mathematical treatment of gas laws, physical states of matter, solutions, thermodynamics, equilibrium, chemical potential, electrochemistry, and an introduction to quantum mechanics. Lab fee.

Credits: 4

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

CHEM 112 or equivalent with a grade of C- or higher,
MATH 181

Semester Offered: Fall, odd years

CHEM 342: Physical Chemistry II

Further development of atomic and molecular quantum mechanics, spectroscopy, kinetics and reaction mechanisms, and statistical thermodynamics. Lab fee.

Credits: 4

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

CHEM 341 with a grade of C- or higher

Semester Offered: Spring even years

CHEM 421: Modern Analytical Instrumentation

A course in modern analytical instrumentation, including electroanalytical, spectroscopic, separations, and kinetic methods. Application of spreadsheet and computer simulation software. Laboratory emphasis. Lab fee.

(Offered periodically)

Credits: 4

Lab Hours: 6

Lecture Hours: 2

Prerequisites:

CHEM 221 with a grade of C- or higher or CHEM 231 with a grade of C- or higher

Semester Offered: Periodically

CHEM 431: Biochemistry I

A course in the molecular logic of life; in particular the molecular structure, nomenclature, properties, and functions of carbohydrates, lipids, proteins, and nucleic acids. Properties and mechanisms of enzymes, vitamins, and co-enzymes, biological membrane structure and function, and introduction to bioenergetics.

Credits: 3

Lecture Hours: 3

Prerequisites:

CHEM 232 with a grade of C- or higher.

Co-Requisites:

Corequisite: CHEM 432 (required for chemistry and biochemistry majors).

Semester Offered: Fall

CHEM 432: Biochemistry I Lab

This course is designed to accompany CHEM 431. Experiments demonstrate the theoretical principles discussed in CHEM 431, including structure, pH, and molecular interactions of carbohydrates, lipids, proteins, enzymes, nucleic acids, and the specific methods of analysis associated with these molecules. Lab fee.

Credits: 1

Co-Requisites:

CHEM 431

Semester Offered: Fall

CHEM 433: Biochemistry II

This course focuses on the metabolic pathways of biomolecules, accompanied by bioenergetic requirements, regulatory mechanisms and flow of genetic information. Includes photosynthesis, metabolism of amino acids, fatty acids, lipids, nucleic acids and proteins, and application of recombinant DNA. Intended for students taking chemistry as their major or minor. Also suitable for biology majors with a strong chemistry background and pre-professionals.

Credits: 3

Lecture Hours: 3

Prerequisites:

CHEM 431 with a grade of C- or higher.

Co-Requisites:

Corequisite: CHEM 434 (required for chemistry and biochemistry majors).

Semester Offered: Spring

CHEM 434: Biochemistry II Lab

This course is designed to accompany CHEM 433. Emphasis will be important experimental techniques not covered in CHEM 432, including electrophoresis, adsorption chromatography, thin-layer chromatography and DNA analysis. Lab fee .

Credits: 1

Lab Hours: 3

Co-Requisites:

CHEM 433

Semester Offered: Spring

CHEM 462: Inorganic Chemistry

A course including a study of the elements and their periodic relationships, acid-base theories, current bonding theories, coordination compounds, and other selected topics. (Offered periodically)

Credits: 3

Lecture Hours: 3

Prerequisites:

CHEM 341 or CHEM 112 with permission of instructor.

Semester Offered: Periodically

CHEM 475: Research Methods in Chemistry

This course is a capstone course, designed to involve the chemistry major in the process of research, including literature searching, formation of hypotheses, and experimental design. Preparation and presentation of report, completion of portfolio. Lab fee. (Offered periodically)

Credits: 4

Lab Hours: 6

Lecture Hours: 2

Prerequisites:

Either CHEM 221 or CHEM 341 with a grade of C- or higher, CHEM 232 with a grade of C- or higher, and permission of the chemistry faculty.

Semester Offered: Periodically

CHEM 498: Individual Study Topics

The subject of study is selected by conference between the student and the chemistry faculty, and will consist mainly of independent study and/or laboratory work summarized by a comprehensive report. Content and method of study must be arranged prior to registration. May be repeated for a total of 3 credits.

Credits: 1-3

Prerequisites:

Permission of the department chair

CHEM 499: Directed Group Study Topics

Provides academic departments an opportunity to offer courses in specialized or experimental areas, either lower or upper division, not listed in the undergraduate *Bulletin*. Student may be allowed to repeat the course for credit.

Credits: 1-3

Prerequisites:

Approval by department chair

PHYS 101: Introductory Physics

A laboratory science course for the student with no previous background in physics. A conceptual, rather than mathematical, approach is emphasized, though some arithmetic calculations are required. Topics include mechanics, heat, sound, electromagnetism, light, and modern physics.

Credits: 4

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

SAT mathematics score of at least 530 or an ACT mathematics score of at least 21 or **MATH 013** with a grade of C- or higher.

Semester Offered: Fall

PHYS 112: Introductory Astronomy

An introductory study of the solar system; stellar structure and evolution; star clusters, galaxies, quasars, the large scale structure of the universe, and cosmology. A conceptual, rather than mathematical, approach is emphasized, though some arithmetic calculations are required.

Credits: 4

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

SAT mathematics score of at least 530 or an ACT mathematics score of at least 21 or **MATH 013** with a grade of C- or higher.

Semester Offered: Periodically

PHYS 114: Physical Science

An introductory science course covering the fundamentals of physics, chemistry, astronomy, and each science that will focus on hands-on activities and real-life applications. The course covers fundamental aspects of physical science as required by the Texas Department of Education.

Credits: 4

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

SAT mathematics score of at least 530 or an ACT mathematics score of at least 21 or **MATH 013** with a grade of C- or higher.

Semester Offered: Spring

PHYS 121: General Physics I

An introduction to motion in one dimension, vectors in 2 and 3 dimensions, the laws of motion, work and energy, momentum and collisions, uniform circular motion, gravity, rotational equilibria and dynamics involving torque and angular momentum, solids and fluids, thermal physics and heat, thermodynamical laws, vibrations, waves, and sound. Math level is algebra and trigonometry.

Credits: 4

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

MATH 180

Semester Offered: Fall

PHYS 122: General Physics II

Topics include: electric force and electric field, electric potential, capacitance, resistance and resistivity, direct and alternating currents, Kirchhoff's Rules, Ohm's Law, magnetism and Ampere's Law, Faraday's Law, electromagnetic waves, reflection and refraction of light, mirrors and lenses, relativity, quantum physics, atomic and nuclear physics, and elementary particles.

Credits: 4

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

PHYS 121 with a grade of C- or higher. Continuation of **PHYS 121**.

Semester Offered: Spring

PHYS 221: General Physics with Calculus I

A one-hour addition to the topics of **PHYS 121** where calculus is thoroughly used. A student taking **PHYS 121** and **PHYS 221** will have the equivalent of a 4-hour university course in calculus-based general physics (topics as in **PHYS 121**).

Credits: 1

Prerequisites:

MATH 181

Co-Requisites:

PHYS 121

Semester Offered: Periodically
Fall

PHYS 222: General Physics with Calculus II

A one-hour addition to the topics of **PHYS 122** where calculus is thoroughly used. A student taking **PHYS 122** and **PHYS 222** will have the equivalent of a 4-hour university course in calculus-based general physics (topics as in **PHYS 122**).

Credits: 1

Prerequisites:

MATH 181

Co-Requisites:

PHYS 122

Semester Offered: Periodically
Spring

Communication

Faculty/Staff

Michael Agee, Chair; Paul B. Kim, Glen Robinson

Adjunct: Chris Combest, David Pollock, John Williams

Mission

The mission of Southwestern Adventist University's Department of Communication is to prepare students to be effective Christian communicators. This includes developing skills in personal interaction, writing, speaking, creating media content, and managing the elements of communication technology. In addition, knowledge comes from learning about new forms of interaction in the areas of radio, television, film, online media, advertising, and public relations.

Aims of the Department

The aims of Southwestern Adventist University's Department of Communication are to:

- Develop in students the essential skills necessary to enter careers in the communication field of their choice or to enter graduate school.
- Prepare students for executive responsibilities at some point in their careers.
- Establish a connection between communication and a relationship with Jesus Christ.
- Instill in students a desire for long-term growth in communication.

Student Learning Objectives

Upon completion of coursework within the Communication Department, majors should be able to:

- Describe the Communication discipline and its central questions
- Employ communication theories, perspectives, principles, and concepts
- Create messages appropriate to the audience, purpose, and context
- Critically analyze messages
- Demonstrate the ability to accomplish communicative goals, while applying ethical communication principles and practices

Facilities and Internships

Communication majors at Southwestern Adventist University choose one of the department's three emphasis areas of study:

- Advertising & Public Relations (ADPR)
- Online Media (OLME)

- Radio-TV-Film (RTVF)

The department also offers minors in each emphasis, as well as Communication and Speech. Many communication students acquire valuable training and experience at the following facilities on the campus:

- [88.3 The Journey, KJRN](#)
- The Studios at Southwestern and KGSW TV 18.1
- The Communication Mac Lab
- The department's three audio/video editing suites

Our Communication Department encourages all upper-division majors to complete an off-campus internship in their major emphasis. Even before graduation, and sometimes as a direct result of communication internship positions, many of our majors are hired by these firms, and communication alumni from Southwestern who have continued their education through graduate school have done so very successfully.

Department Policies

Withdrawing from or Repeating Courses

Communication majors or minors may withdraw from or repeat a course in their area of emphasis or minor only one time.

Multiple Communication Majors/Minors

A student cannot earn either two communication majors or both a communication major and minor in different emphasis areas. This is because there are similar core course requirements and because career preparation in two academic fields is preferable to only one.

Communication Competencies

Competence in both oral and written communication is required for progress in each of the emphases and minors offered by the department. Competence in oral communication is considered to be the completion of required Speech performance courses with a grade of C- or above.

Writing is a major component of upper-division communication courses. The department requires all students to have passed ENGL 220 Research Writing or its equivalent before enrolling in any upper-division course.

B.A. Communication Advertising & PR emphasis

Item #	Title	Credits
COMM 110	Communication Media	3
	COMM 115 or COMM 137	3
COMM 127	Photo and Graphic Editing	3
COMM 224	Photography	3
COMM 241	Public Relations	3
COMM 261	Media Writing I	3
	COMM 335 or COMM 343	3
COMM 351	Advertising	3
	COMM 431 or COMM 451	3
COMM 442	Applied Advertising and Public Relations	3
COMM 481	Senior Portfolio Seminar	1
	Total credits:	31

B.A. Communication Online Media emphasis

Item #	Title	Credits
COMM 110	Communication Media	3
COMM 125	Audio Production	3
COMM 127	Photo and Graphic Editing	3
COMM 137	Media Techniques	3
COMM 224	Photography	3
COMM 261	Media Writing I	3
COMM 270	Social Media Strategy	3
COMM 335	Persuasion	3
COMM 361	Media Writing II	3
COMM 431	Media Law and Ethics	3
COMM 451	Communication Theory	3
COMM 481	Senior Portfolio Seminar	1
	B.A. Online Media Cognate	3
	Total credits:	37

B.A. Communication Radio-TV-Film emphasis

Item #	Title	Credits
COMM 110	Communication Media	3
COMM 112	Announcing	3
	COMM 125 or COMM 224	3
COMM 137	Media Techniques	3
COMM 237	Video Production I	3
COMM 261	Media Writing I	3
	COMM 335 or COMM 343	3
COMM 355	Understanding Film	3
COMM 361	Media Writing II	3
	COMM 431 or COMM 451	3
COMM 481	Senior Portfolio Seminar	1
	Total credits:	31

B.S. Communication Advertising & PR emphasis

Item #	Title	Credits
COMM 110	Communication Media	3
COMM 115	Discussion Techniques	3
COMM 127	Photo and Graphic Editing	3
COMM 137	Media Techniques	3
COMM 224	Photography	3
COMM 233	Interpersonal Communication	3
COMM 241	Public Relations	3
COMM 261	Media Writing I	3
COMM 335	Persuasion	3
COMM 343	Visual Communication	3
COMM 351	Advertising	3
COMM 361	Media Writing II	3
COMM 381	Development	3
COMM 431	Media Law and Ethics	3
COMM 442	Applied Advertising and Public Relations	3
COMM 451	Communication Theory	3
COMM 481	Senior Portfolio Seminar	1
	Total credits:	49

B.S. Communication Online Media emphasis

Item #	Title	Credits
COMM 110	Communication Media	3
COMM 125	Audio Production	3
COMM 127	Photo and Graphic Editing	3
COMM 137	Media Techniques	3
COMM 224	Photography	3
COMM 237	Video Production I	3
COMM 261	Media Writing I	3
COMM 270	Social Media Strategy	3
COMM 332	Media Management	3
COMM 335	Persuasion	3
COMM 343	Visual Communication	3
COMM 351	Advertising	3
COMM 361	Media Writing II	3
COMM 424	Writing and Editing	3
COMM 431	Media Law and Ethics	3
COMM 451	Communication Theory	3
COMM 481	Senior Portfolio Seminar	1
	B.S. Online Media Cognates	6
	Total credits:	55

B.S. Communication Radio-TV-Film emphasis

Item #	Title	Credits
COMM 110	Communication Media	3
COMM 112	Announcing	3
COMM 125	Audio Production	3
COMM 127	Photo and Graphic Editing	3
COMM 137	Media Techniques	3
COMM 224	Photography	3
COMM 237	Video Production I	3
COMM 261	Media Writing I	3
COMM 332	Media Management	3
COMM 335	Persuasion	3
	COMM 337 or COMM 437	3
COMM 343	Visual Communication	3
COMM 355	Understanding Film	3
COMM 361	Media Writing II	3
COMM 431	Media Law and Ethics	3
COMM 451	Communication Theory	3
COMM 481	Senior Portfolio Seminar	1
	Total credits:	49

Minor in Communication

Classes chosen in consultation with the department.

Total credits:	18
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Communication Course Descriptions

COMM 110: Communication Media

An historical and critical survey of the role played by communication media in shaping culture. Media examined include books; newspapers; magazines; film; radio, recording, and popular music; television, cable, and mobile video; video games; and the Internet and World Wide Web. Also examined are the supporting industries of public relations and advertising, as well as theories and effects of mass communication; media freedom, regulation, and ethics; and global media. Attention is given throughout to improving students' media literacy.

Credits: 3

Semester Offered: Fall

COMM 111: Speech

This course covers the theories and practices of speech communication behavior in interpersonal, small group and public communication situations. The course is intended to enhance student understanding of and ability to use the basic skills of verbal and nonverbal communication, increase competence and confidence in delivery of presentations, enhanced critical thinking skills and enhanced interpersonal communication skills.

Credits: 3

Semester Offered: Fall, Spring

COMM 112: Announcing

Introduces the student to contemporary announcing techniques, especially for radio and television, but also for other media. Emphasis is given to interpretation of copy, audio and video performance, voice analysis and improvement, interviewing techniques, pronunciation and articulation, and general speech improvement. Some attention is also given to ad-lib announcing, as well as news, music, and sports announcing.

Credits: 3

Semester Offered: Spring

COMM 115: Discussion Techniques

A study of the democratic methods used to solve problems and conduct business in various kinds of group organizations. Includes a number of traditional face-to-face group activities as well as individual presentations.

Credits: 3

Semester Offered: Spring even years

COMM 125: Audio Production

An introduction to recording and manipulating sound, this course includes segments on sound behavior, equipment and software used for recording and manipulating sounds for broadcast, video, and film; signal processing, editing, and mixing. Supplies fee.

Credits: 3

Semester Offered: Fall

COMM 127: Photo and Graphic Editing

In this course, students will learn how to create and manipulate digital images captured from a camera, a scanner, or from scratch. Students will acquire the ability to manipulate and enhance digital images through the use of selection tools, image adjustments, filters, and blending modes. Supplies fee.

Credits: 3

Semester Offered: Fall

COMM 137: Media Techniques

This course is an introduction to the storytelling, digital technologies and techniques applied to create contemporary media content across a range of platforms. Hands-on video and audio projects will expose students to the basic methods and procedures of creating content for digital media. An emphasis is placed on story development and its pre-production, production, postproduction and delivery methodologies used across the disciplines of film, television and radio. Supplies fee.

Credits: 3

Semester Offered: Spring

COMM 224: Photography

Introduces the basic tools, materials, and techniques of digital photography. Assignments are designed to develop skill in camera operation, composition, and editing and printing the digital photograph. Supplies fee.

Credits: 3

Semester Offered: Fall

COMM 233: Interpersonal Communication

Cognitive and experiential learning about interpersonal relationships. Students acquire insights about themselves and how they relate to others.

Credits: 3

Semester Offered: Spring odd years

COMM 237: Video Production I

This course builds on student's basic exposure in COMM 137 to story, camera and editing techniques used by film and television professionals across a range of platforms. Hands-on experience will provide learning opportunities in operating a camera, as well as using both lighting and audio equipment to tell their stories. Students will also learn to integrate this technical knowledge into key development, pre-production, production, postproduction and delivery methodologies used across the disciplines of film, television, new and emerging media. Supplies fee.

Credits: 3

Prerequisites:

COMM 137

Semester Offered: Fall

COMM 241: Public Relations

A course dealing with definitions, basic objectives, and concepts of public relations. Attention is given to the role of public relations, research for public relations, publics and target audiences, communication concepts and channels, campaigns, and the legal and ethical environment of public relations. (Also taught as MKTG 241.)

Credits: 3

Semester Offered: Fall

COMM 261: Media Writing I

This course teaches future communication professionals how to write and communicate confidently across multiple platforms. In addition to learning the basic reporting and interviewing skills needed for all media, students will learn how to repurpose broadcast and print news for the Internet. Students will also be introduced to the research skills used in the field of communication, and begin the process of senior portfolio development.

Credits: 3

Prerequisites:

Prerequisite: ENGL 121 (grade C- or above).

Semester Offered: Fall

COMM 270: Social Media Strategy

This course introduces students to both the theory and application of today's social media platforms and digital tools. Students will explore the development and influence of user-generated content as well as strategic use of branded content, all in the context of managing multiple digital channels. We will study theories on how content goes viral and examine case studies on ways viral videos have impacted the reputation of individuals and corporations. Overall, students will learn best practices in social media marketing as used by content creators, brands and major institutions.

Credits: 3

Semester Offered: Fall, even years

COMM 298: Individual Study Topics

This course offers the lower-division student opportunity to pursue investigations in fields of special interest under the direction of the departmental staff. Content and method of study must be arranged prior to registration. May be repeated for a total of 2 credits.

Credits: 1-2

Prerequisites:

Permission of department chair

COMM 299: Directed Group Study Topics

Provides academic departments an opportunity to offer courses in specialized or experimental areas, either lower or upper division, not listed in the undergraduate *Bulletin*. May be repeated for a total of 3 credits.

Credits: 1-3

Prerequisites:

Approval by department chair

COMM 332: Media Management

An advanced study of the management of media organizations, this course includes segments on historical and contemporary management theory, ethics in management, financial and human resources, promotion and marketing, programming, and regulation.

Credits: 3

Semester Offered: Fall, even years

COMM 333: Narrative Writing

The course focuses on the writing of narrative, specifically in the creation of novels and short stories, examining traditional and non-traditional plots, character development, dialogue, setting, and other literary techniques.(Also taught as ENGL 333)

Credits: 3

Semester Offered: Spring even years

COMM 335: Persuasion

A study and practice of the principles and techniques involved in persuasion. Elements include the psychology of persuasion; the relation of persuasion to imaging, advertising, and propaganda; and the role of persuasion in a free society. Students will demonstrate what they have learned by applying it to a persuasive campaign project of their own making during the semester.

Credits: 3

Semester Offered: Spring

COMM 337: Video Production II

This course will expose students to advanced storytelling, editing techniques, production, and video. As a major component of the course, students will actively collaborate to develop, produce and deliver content intended for online delivery platforms. Supplies fee.

Credits: 3

Prerequisites:

COMM 237 or permission of instructor

Semester Offered: Spring odd years

COMM 340: Drama Writing

This course focuses on writing for performance, which may include the creation of stage plays as well as screenplays. Students will coordinate with COMM 337 Video Production II students in the development of scripts for production during the semester. General concepts are included to provoke thought about writing on a much broader basis. This includes discussions on dialogue, characterization, conflict, action, and setting, as well as the differences in writing for screen versus stage. (Also taught as ENGL 340)

Credits: 3

Prerequisites:

ENGL 220

Semester Offered: Spring odd years

COMM 343: Visual Communication

A study of visual rhetoric, specifically the relationship between images and the messages they convey. The course will survey images in all areas of modern mass communication, including advertising, public relations, journalism, graphic design, photography, motion pictures, television and video, and the World Wide Web.

Credits: 3

Semester Offered: Fall

COMM 351: Advertising

This course studies the role of advertising in society, its impact on the economy, its function in business and marketing, and its communication aspects, including media applications. Attention is given to social, legal, and ethical considerations; the business of advertising; consumer behavior; and creative strategies and processes. (Also taught as MKTG 351)

Credits: 3

Semester Offered: Spring

COMM 355: Understanding Film

A study of film, including its history and the major theories used to understand what is still a very young medium. The course provides an overview of the key ideas in understanding film, while also exploring the major movements in their social and cultural contexts that shaped filmmaking's development. Starting with some of the earliest films, the course progresses through the medium's evaluation, arriving at a deeper understanding of contemporary cinema. Along the way, we will take note of influential directors and their techniques that contributed to the making of a powerful global art form that still refuses to be defined.

Credits: 3

Lab Hours: 1

Lecture Hours: 2

Semester Offered: Spring, Even Years

COMM 361: Media Writing II

A continuation of COMM 261, this course teaches the student how to cover news stories in all situations and using multiple media. Study will include writing for today's journalism, preparing content for multiple platforms, the history of journalism, editing and cropping, and ethical and legal issues. The student will refine his or her ability to write and photograph the news story, using audio, video, web, print and other media. Supplies fee.

Credits: 3

Prerequisites:

COMM 261

Semester Offered: Spring

COMM 381: Development

A study of fundraising and the philanthropic tradition and its role in the successful operation of nonprofit organizations. Attention is given to the techniques of producing fundraising proposals and campaigns directed to individuals, foundations, corporations, and other philanthropic organizations.

Credits: 3

Semester Offered: Fall, odd years

COMM 424: Writing and Editing

This course deals with the relationship between writers and editors from both perspectives, with students during the semester taking on both the role of editors seeking writers to produce material as well as the role of writers seeking publication. Elements include working with writers, a production staff and deadlines. In addition, emphasis is placed on students publishing articles in on- and off-campus publications.

Credits: 3

Prerequisites:

COMM 261

or permission of instructor

Semester Offered: Fall, odd years

COMM 431: Media Law and Ethics

A study of the major principles of media law and media-related ethical concerns. Emphasis is given to the most important court decisions and statutory enactments in communication law, including prior restraint, libel and slander, fair trial/free press conflicts, and the First Amendment. Attention is given to building a personal approach to ethics within the context of the individual's relationships both with supervisors and with the public.

Credits: 3

Semester Offered: Spring even years

COMM 437: Film Production

This course builds on student's exposure in COMM 237 to story, camera and editing techniques used by film and television professionals across a range of platforms. Hands-on experience will provide advanced learning opportunities in operating a camera, as well as using both lighting and audio equipment to visually bring their stories to life. Students will also learn to integrate their technical knowledge into key development, pre-production, production, postproduction and delivery methodologies used across the disciplines of film and television, new and emerging media. Supplies fee.

Credits: 3

Prerequisites:

COMM 237

or permission of instructor

Semester Offered: Spring even years

COMM 442: Applied Advertising and Public Relations

This course uses team projects to teach the tools and techniques necessary to work in the fields of advertising and public relations. Advertising assignments may include, but are not limited to, image and identity, political advertising, jingles and slogans, campaigns for large and small companies, and demographic and psychographic research. Public relations assignments may include but are not limited to, crisis management, special events, media relations, publications, and internal communications. (Also taught as MKTG 442)

Credits: 3

Prerequisites:

COMM 241

COMM 351

Semester Offered: Fall, odd years

COMM 451: Communication Theory

This course presents the theoretical bases of interpersonal communication, group and public communication, mass communication, and communication in cultural contexts. Attention is given to the nature of inquiry and theory as well as several topics in communication theory, including interpersonal messages, cognitive processing, relationship development and maintenance, influence, group decision making, organizational communication, public rhetoric, media and culture, media effects, and intercultural and gender communication. There are ethical elements throughout the course as well as discussion integrating and relating the communication theories covered.

Credits: 3

Semester Offered: Spring odd years

COMM 480: Communication Internship

This internship course offers the advanced student university credit for on-the-job, off-campus work in film, radio, television, public relations or advertising under the joint direction of departmental staff and a supervisor at the organization or business selected. Ideally, the internship will occur the summer between the student's junior and senior years. Eligible for IP grading.

Credits: 1-3

Prerequisites:

Permission of the department chair and instructor.

COMM 481: Senior Portfolio Seminar

In this course, communication majors will finalize the contents of their portfolios before graduation. Students will also complete their senior thesis in this course, pursuant to their specific capstone class. This course required of all graduating communication majors and will be taken in their senior year.

Credits: 1

Semester Offered: Fall

COMM 498: Individual Study Topics

This course offers the advanced student opportunity to pursue investigations in fields of special interest under the direction of departmental staff. Content and method of study must be arranged prior to registration. May be repeated for a total of two credits.

Credits: 1-2

Prerequisites:

Permission of department chair

COMM 499: Directed Group Study Topics

Provides academic departments an opportunity to offer courses in specialized or experimental areas, either lower or upper division, not listed in the undergraduate *Bulletin*. Student may be allowed to repeat the course for credit.

Credits: 1-3

Prerequisites:

Approval by department chair

Computer Science

Faculty/Staff

Daryl D. Thomas, Chair; Miguel Espinosa,

Adjunct: Keith Beucler

Aims of the Department

The primary mission of the Department of Computer Science is to prepare students for professional work in the field of computer science, within a Christian context. A secondary mission of the Department is to provide service courses in computer science to the University community at-large.

The Department of Computer Science offers both bachelor of science degree and associate of science degree programs. The Bachelor of Science in Computer Science is intended for students who wish to pursue careers in computer science, either in industry or in academia. The Associate of Science in Computer Science offers students the opportunity to earn a valuable credential midway to completion of a Bachelor of Science in Computer Science. The Department also offers a minor in Computer Science.

A.S. Computer Science

We strongly suggest that students seeking an Associate in Science in Computer Science or the Associate in Computer Science plan to take their computer science courses in the following sequence:

Associate in Science

Freshman — Fall Semester CSIS 110, CSIS 125

Freshman — Spring Semester CSIS111, CSIS 225

Sophomore — Fall Semester CSIS 201, CSIS 211, CSIS 245

Sophomore — Spring Semester CSIS 215, CSIS 255

In addition to completing the courses below, students seeking the A.S. must pass Department-specified external certification examinations in the areas of security and networking in order to be awarded the degree.

Required Courses

Item #	Title	Credits
CSIS 110	Principles of Computer Programming I	3
CSIS 111	Principles of Computer Programming II	3
CSIS 125	Discrete Structures I	3
CSIS 201	Information Literacy for CS Majors	1
CSIS 211	Data Structures and Algorithms	3
CSIS 215	Object-Oriented Programming in C++	3
CSIS 225	Discrete Structures II	3
CSIS 245	Introduction to Local Area Network Technology	4
CSIS 255	Issues and Practices in Information Security	3
Total credits:		26

B.S. Computer Science

In addition to the course requirements set forth below, each student seeking a B.S. in Computer Science must successfully develop and release a useful program under an open-source model.

We strongly suggest that students seeking the Bachelor of Science in Computer Science plan to take their computer science courses in the following sequence:

Bachelor of Science

Freshman — Fall Semester	CSIS 110, CSIS 125
Freshman — Spring Semester	CSIS111, CSIS 225
Sophomore — Fall Semester	CSIS 201, CSIS 211, CSIS 245
Sophomore — Spring Semester	CSIS 215, CSIS 255
Junior — Fall Semester	CSIS 360, CSIS 450, CSIS 495
Junior — Spring Semester	CSIS 375, CSIS upper division elective
Senior — Fall Semester	CSIS 315, CSIS upper division elective
Senior — Spring Semester	CSIS 490, CSIS 405

Required Courses

Item #	Title	Credits
CSIS 110	Principles of Computer Programming I	3
CSIS 111	Principles of Computer Programming II	3
CSIS 125	Discrete Structures I	3
CSIS 201	Information Literacy for CS Majors	1
CSIS 211	Data Structures and Algorithms	3
CSIS 215	Object-Oriented Programming in C++	3
CSIS 225	Discrete Structures II	3
CSIS 245	Introduction to Local Area Network Technology	4
CSIS 255	Issues and Practices in Information Security	3
CSIS 315	Application Development for Event-Driven GUI Applications	3
CSIS 360	Operating Systems	3
CSIS 375	Introduction to Robotic Systems	4
CSIS 405	Formal Languages and Automata	3
CSIS 450	Principles of Database Design	3
CSIS 490	Software Engineering	3
CSIS 495	Special Topics Seminar	3
	CSIS Electives Upper Division	6

Required Cognates

Item #	Title	Credits
COMM 115	Discussion Techniques	3
MATH 141	Introduction to Probability and Statistics	3
	Total credits:	60

B.S. Computer Science, Emphasis in Cybersecurity

In addition to the course requirements set forth below, each student seeking a B.S. in Computer Science with Emphasis in Cybersecurity must satisfy the requirements for the A.S. in Computer Science, as well as successfully develop and release a useful program under an open-source model.

Required Courses

Item #	Title	Credits
CSIS 110	Principles of Computer Programming I	3
CSIS 111	Principles of Computer Programming II	3
CSIS 125	Discrete Structures I	3
CSIS 201	Information Literacy for CS Majors	1
CSIS 211	Data Structures and Algorithms	3
CSIS 215	Object-Oriented Programming in C++	3
CSIS 225	Discrete Structures II	3
CSIS 245	Introduction to Local Area Network Technology	4
CSIS 255	Issues and Practices in Information Security	3
CSIS 360	Operating Systems	3
CSIS 367	System & Network Hardening	3
CSIS 375	Introduction to Robotic Systems	4
CSIS 405	Formal Languages and Automata	3
CSIS 467	Cyber Forensics & Analysis	3
CSIS 490	Software Engineering	3
CSIS 492	Computer Science Internship	3
BUAD 202	Introduction to Contemporary Business	3
CRIJ 311	Criminal Investigations	3

Required Cognates

Item #	Title	Credits
COMM 115	Discussion Techniques	3
MATH 141	Introduction to Probability and Statistics	3

Curriculum Guide, Bachelor of Science, Computer Science, Cybersecurity Emphasis

We strongly suggest that students seeking the Bachelor of Science in Computer Science with Emphasis in Cybersecurity plan to take their computer science courses in the following sequence:

Freshman Year, Fall Semester

Item #	Title	Credits
CSIS 110	Principles of Computer Programming I	3
CSIS 125	Discrete Structures I	3

Freshman Year, Spring Semester

Item #	Title	Credits
CSIS 111	Principles of Computer Programming II	3
CSIS 225	Discrete Structures II	3

Sophomore Year, Fall Semester

Item #	Title	Credits
CSIS 201	Information Literacy for CS Majors	1
CSIS 211	Data Structures and Algorithms	3
CSIS 245	Introduction to Local Area Network Technology	4

Sophomore Year, Spring Semester

Item #	Title	Credits
CSIS 215	Object-Oriented Programming in C++	3
CSIS 255	Issues and Practices in Information Security	3

Junior Year, Fall Semester

Item #	Title	Credits
CSIS 360	Operating Systems	3
BUAD 202	Introduction to Contemporary Business	3
CRIJ 311	Criminal Investigations	3

Junior Year, Spring Semester

Item #	Title	Credits
CSIS 375	Introduction to Robotic Systems	4
CSIS 367	System & Network Hardening	3

Senior Year, Fall Semester

Item #	Title	Credits
CSIS 492	Computer Science Internship	3
CSIS 467	Cyber Forensics & Analysis	3

Senior Year, Spring Semester

Item #	Title	Credits
CSIS 405	Formal Languages and Automata	3
CSIS 490	Software Engineering	3
Total credits:		60

Minor in Computer Science

Required Courses

Item #	Title	Credits
CSIS 110	Principles of Computer Programming I	3
CSIS 111	Principles of Computer Programming II	3
CSIS 125	Discrete Structures I	3
CSIS 211	Data Structures and Algorithms	3
CSIS 215	Object-Oriented Programming in C++	3
CSIS 225	Discrete Structures II	3
CSIS 245	Introduction to Local Area Network Technology	4
Total credits:		22

Computer Science Course Descriptions

CSIS 105: Introduction to Computing

An overview of computing as a human activity emphasizing the use of computers as tools to meet the needs of individuals and groups. Topics for study and discussion will include the history and development of computers, the impact of computers on the quality of life, information processing using computers, and ethical issues with respect to the use of information.

Credits: 3

Semester Offered: Spring

CSIS 106: Comprehensive Spreadsheets

This course is a comprehensive coverage of basic, and advanced spreadsheet software including, but not limited to, the set of skills on Microsoft's certification exams for Excel

Credits: 3

Semester Offered: Spring

CSIS 110: Principles of Computer Programming I

Introduction to problem solving using computers. Topics include top-down design, algorithm development, information representation, and programming. Assumes a basic knowledge of PC operation.

Credits: 3

Semester Offered: Fall

CSIS 111: Principles of Computer Programming II

A continuation of CSIS 110 with emphasis on elementary data structures and advanced techniques. Students will be introduced to C++.

Credits: 3

Prerequisites:

CSIS 110

Semester Offered: Spring

CSIS 125: Discrete Structures I

An introduction to the basics of discrete mathematics as applied in computer science. Topics include elementary logic, propositional logic, predicate logic, proof techniques, sets, relations, functions, elementary number theory, and Boolean algebra.

Credits: 3

Co-Requisites:

Students must also register for CSIS 125T

Semester Offered: Fall

CSIS 201: Information Literacy for CS Majors

An introduction to the research methods, documentation techniques, and publication styles commonly used in the field of computer science. Specific topics to be covered will include: the software development process, trends in computer science research, the peer review process, quality evaluation of sources, IEEE publication guidelines, the IEEE style manual, and the portfolio development process.

Credits: 1

Prerequisites:

ENGL 121

Semester Offered: Fall

CSIS 211: Data Structures and Algorithms

A continuation of CSIS 111's study of data structures, and a study of the time-complexity of algorithms. There will be an emphasis on choosing the appropriate storage arrangement and the appropriate algorithms to manipulate data, both in high-speed memory, on mass storage devices, or using a combination of the two.

Credits: 3

Prerequisites:

CSIS 111

CSIS 125

Semester Offered: Fall

CSIS 215: Object-Oriented Programming in C++

A study of the strategic object-oriented approach to problem solving — analysis, design and coding — using the C++ language. There will be a focus on the use of classes to implement abstract data types, thus supporting the modern approach to loosely linked, modular code. The overloading of functions and operators, inheritance, and polymorphism will be studied as abstraction tools.

Credits: 3

Prerequisites:

CSIS 111

or Instructor's approval

Semester Offered: Spring

CSIS 225: Discrete Structures II

A continuation of the study of discrete structures begun in CSIS 125. Topics include recurrence relations, graphs and trees, matrices, combinatorics, computational complexity, and elementary computability.

Credits: 3

Prerequisites:

CSIS 125

Semester Offered: Spring

CSIS 245: Introduction to Local Area Network Technology

A practical introduction to current LAN network technologies, with emphasis on Ethernet. Topics include: signal encoding, channel access/utilization, integration/configuration/ operation of hardware, cabling, protocols, and LAN operating systems.

Credits: 4

Prerequisites:

CSIS 111

CSIS 225

Semester Offered: Fall

CSIS 255: Issues and Practices in Information Security

An examination of the issues to be considered and practices typically employed when implementing security measures to protect computing resources and data. Topics to be considered include basics of computation and networking, as well as securing communications channels, computer systems, and information resources.

Credits: 3

Prerequisites:

CSIS 110

or permission of instructor

Semester Offered: Spring

CSIS 298: Individual Study Topics

Designed for the student who wishes to do independent study or research. Content and method of study must be arranged prior to registration. May be repeated for a total of 6 credits.

Credits: 1-3

Prerequisites:

Permission of Department Chair

CSIS 315: Application Development for Event-Driven GUI Applications

An introduction to the event-driven programming model using a windowed graphical user interface. Emphasis will be on using available tools and libraries to speed the development of significant applications.

Credits: 3

Prerequisites:

CSIS 215

Semester Offered: Fall

CSIS 360: Operating Systems

A study of operating system organization, job control, I/O, and resource management. Emphasis will be placed on features of the Linux O/S.

Credits: 3

Prerequisites:

CSIS 211

Semester Offered: Fall

CSIS 367: System & Network Hardening

An in-depth examination of attack and defense methodologies for systems and networks. Practical emphasis on defense of these systems, and how attacks are executed.

Credits: 3

Prerequisites:

CSIS 245

CSIS 255

Semester Offered: Spring

CSIS 375: Introduction to Robotic Systems

An overview of the field of robotics, with emphasis on autonomous mobile robotic systems. Topics include sensing, localization, mapping, navigation, obstacle avoidance, feedback-based control, human safety issues, and moral implications of robotic systems. Lecture and laboratory.

Credits: 4

Prerequisites:

CSIS 111

Semester Offered: Spring

CSIS 405: Formal Languages and Automata

A study of formal language theory, with emphasis on regular and context-free grammars. Topics include: language properties, the Chomsky Hierarchy, Finite State Machines, PDAs, Turing machines, uncomputability, and computational complexity.

Credits: 3

Prerequisites:

CSIS 225

Semester Offered: Spring

CSIS 450: Principles of Database Design

Course covers design and implementation of databases with emphasis on structures and schemas, information retrieval, SQL, security, and integrity.

Credits: 3

Prerequisites:

CSIS 211

Semester Offered: Fall

CSIS 467: Cyber Forensics & Analysis

This course explores the fundamental process of analyzing data collected from electronic devices. Students will be introduced to proper techniques and tools utilized for securing, handling, and preserving digital evidence.

Credits: 3

Prerequisites:

CSIS 367

Semester Offered: Fall

CSIS 490: Software Engineering

A study of the management and implementation of programming projects. Topics include project management, scheduling and control, programming assignments and specifications, testing and documentation, system implementation, and evaluation. Students will be required to complete a significant team project involving both design and implementation.

Credits: 3

Prerequisites:

CSIS 215

Semester Offered: Spring

CSIS 492: Computer Science Internship

On-the-job supervised experience in a field of computer science related to the student's concentration area.

Limited to senior majors. May be repeated for a total of 6 credits.

Credits: 3

Prerequisites:

Approval by department chair

CSIS 495: Special Topics Seminar

Covers topics of special interest such as new developments in the field of computer science, as well as occasional specialized topics such as artificial intelligence, computer graphics, etc. May be repeated for a total of 6 credits.

Credits: 3

Prerequisites:

Approval by department chair

CSIS 498: Individual Study Topics

Designed for the student who wishes to do independent study or research. Content and method of study must be arranged prior to registration. May be repeated for a total of 6 credits.

Credits: 1-3

Prerequisites:

Approval by Department Chair

Education

Faculty/Staff

Cheryl The, Chair; Heather Archer Wilson, Michael England, Program Director and Certification Officer;

Staff: Michelle Quiej, Administrative Assistant

Adjunct: Donna Berkner, Raul Clarke, Paul Des Jardins, Randy Gillam, Kisha Norris, Marcel Sargeant

Mission

The Southwestern Adventist University Education Department is committed to inspiring knowledge, faith, and service through Christ-centered education. Our mission is to prepare effective educators who are equipped for teaching in faith-based and/or public schools.

Education Program Information Students' Learning Outcomes for Education Preparation Program

- 1) Students demonstrate an understanding of Seventh-day Adventist beliefs, as they seek the integration of faith and learning in the classroom.
- 2) Students acquire critical content and concepts of the curriculum in their field of study, and practice their craft in and outside the classroom.
- 3) Students use a variety of pedagogical approaches for instruction to assist all students in the mastery of the concepts in their field of study with the goal of creating life-long learners.
- 4) Students demonstrate skillful teaching dispositions based on current research, including the pedagogical knowledge necessary in the teaching and learning process, in their area of specialization.
- 5) Students work with others to create a positive climate that supports individual and collaborative learning that encourages positive social interaction, and active engagement in learning.
- 6) Students understand and use multiple forms of assessment to engage learners to take responsibility for their own learning, and to guide the teachers and learners in the decision making process.
- 7) Students recognize and demonstrate respect for diversity by employing effective strategies in a multicultural setting.

8) Students show a commitment to professional development, making connections between theory and practice in order to become reflective practitioners.

9) Students demonstrate a commitment to service as they participate in outreach activities organized by department.

The Education Preparation Program

The Education Preparation Program at Southwestern Adventist University provides teacher training in elementary education, intermediate school, and secondary level. Students may obtain a Master of Education in Educational Leadership emphasis or Curriculum and Instruction with Reading emphasis.

The Education program is designed to prepare students for certification with the State of Texas, and thus be qualified to teach in either the public or private sector. This preparation is accomplished through a combination of campus and field-based delivery systems.

Degrees are awarded by Southwestern Adventist University, while certification is awarded by the State of Texas. Therefore, a student may seek certification upon completion of any degree, the completion of a state-approved teacher certification program, and the receipt of a satisfactory score on the TExES examinations. To be recommended for certification by Southwestern Adventist University, a minimum of 12 successful semester hours in residence is required.

The State Board of Educator Certification (SBEC) establishes the teacher certification standards. Any change in these standards must be reflected in Southwestern Adventist University's certification requirements; therefore, any modification in the state law affecting our certification requirements takes precedence over statements in the Bulletin.

Seventh-day Adventist teacher certification may be acquired simultaneously by meeting the requirements as outlined in the North American Division Office of Education, "Certification Requirements, K-12", as revised in 2017.

Admission to the Education Preparation Program (EPP)

Admission to the University and admission to the Education Preparation Program (EPP) are two separate entities.

Requirements:

1. Take and pass the Texas Higher Education Assessment (THEA) exam. This exam is offered multiple times during the academic year at the University testing center.
2. Required THEA scores: reading 230, math 230 and writing 220 (exemption from THEA is 550 in math and verbal on SAT or ACT and composite of 21 with at least 19 in math and language).

3. Complete a minimum of 60 semester hours, or enrolled in the semester that will complete 60.
4. Have a grade point average (GPA) of 3.0 or higher.
5. Have a C or higher in Applied Math, College Algebra, Freshman Composition, and Research Writing.
6. Secondary majors must have a minimum GPA of 2.75 or higher.

Application Process

Students are responsible for initiating the application to the EPP which is available in the Office of Education. All applicants must complete the following:

1. Pay for and submit to a criminal background check. Students may request a preliminary criminal history evaluation letter from the Texas Education Agency (TEA) regarding the potential ineligibility for certification due to a previous conviction, deferred adjudication or misdemeanor offense. Previous convictions prevent eligibility to receive a Texas certification.
2. Submit a one-page typed essay describing reasons for pursuing the teaching profession.
3. Submit two letters of recommendation (no relatives or department faculty).
4. Interview with the department faculty before full acceptance into the EPP. See Technical Standard in the Pre-Service Teacher Candidate Handbook. ***All documents must be provided to the department secretary before students are eligible to interview.***

Education Continuation and Progression Policies

Degree Plan

After admission, develop a degree plan with the advisor. Secondary candidates will be assigned an advisor in the department to coordinate with their major advisor. A matrix designed for elementary and secondary is available at the front desk in the department.

Retention in the EPP

To remain in the program students must:

1. Maintain a cumulative GPA of 3.0
2. Secondary candidates must maintain a cumulative GPA of 2.75.
3. Continue to develop in coursework and field experience.
4. Demonstrate professional ethics as outlined in the TEA Code of Ethics.
5. Complete all education courses within a six-year timeframe.
6. Complete all TExES review components in EDUC495/496 as outlined in the matrices.
7. In order to support student success, education graduates are required to complete TEA state testing within 12 months of graduation. Graduates who fail to meet this deadline must complete an approved

remediation program prior to testing approval. Remediation costs are the responsibility of the graduate.

At the end of the junior year, the teacher education faculty will review each student's progress and advise each according to the findings. A student found in violation of any of the above criteria will be placed on probation for the preceding semester. Each semester thereafter, progress will be evaluated for continuance in the program.

Student Teaching

Student teaching is a privilege granted to the student through the courtesy of the school and/ or district to which the student teacher is assigned. Prompt and regular attendance is required. Students are advised to become familiar with the Student Teaching Handbook prior to student teaching.

TEA dictates that substitute teaching, and paraprofessional work cannot be used towards completing the internship requirement. You must consult with the Student Internship/Field Supervision Coordinator to get additional information to complete your student teaching experience. See the eligibility requirements noted below for further instruction for appropriate placement.

Student teaching normally will be taken during the last semester. Student teaching requires full days in the schools for a minimum of 14 consecutive weeks in accordance with the calendar of the school district. Students may not take classes at the university during the hours they are scheduled to student teach, and are limited to 12 credit hours.

Students who do not graduate within six months of student teaching can lose credit for the course and may need to repeat student teaching. The Teacher Education Committee, prior to consideration for an additional student teaching assignment, must review candidates who withdraw or are withdrawn from a student teaching assignment.

Application to Offer Out-of-State/U. S. Territory Field-Based Experiences, Internship, Student Teaching, Clinical Teaching

Texas Administrative Code §228.35 (d) (4)

Subject to all the requirements of this section, the TEA may approve a school that is not a public school accredited by the TEA as a site for field-based experience, internship, student teaching, clinical teaching, and/or practicum. (A) All Department of Defense Education Activity (Dude) schools, wherever located, and all schools accredited by the Texas Private School Accreditation Commission (TEPSAC) are approved by the TEA for purposes of field-based experience, internship, student teaching, clinical teaching and/or practicum. (B) An

educator preparation program may file an application with the TEA for approval, subject to periodic review, of a public school, a private school or a school system located within any state or territory of the United States, as a site for field-based experience, or for video or other technology-based depiction of a school setting. The application shall be in a form developed by the TEA staff and shall include, at a minimum, evidence showing that the instructional standards of the school or school system align with those of the applicable Texas Essential Knowledge and Skills (TEKS) and State Board for Educator Certification (SBEC) certification standards. To prevent unnecessary duplication of such applications, the TEA shall maintain a list of the schools, school systems, videos, and other technology-based transmissions that have been approved by the TEA for field-based experience. (C) An educator preparation program may file an application with the TEA for approval, subject to periodic review, of a public or private school located within any state or territory of the United States, as a site for an internship, student teaching, clinical teaching, and/or practicum required by this chapter. The application shall be in a form developed by the TEA staff and shall include at a minimum: (i) the accreditation(s) held by the school; (ii) a crosswalk comparison of the alignment of the instructional standards of the school with those of the applicable TEKS and SBEC certification standards; (iii) the certification, credentials, and training of the field supervisor(s) who will supervise candidates in the school; and (iv) the measure that will be taken by the educator preparation program to ensure that the candidate's experience will be equivalent to that of a candidate in a Texas public school accredited by the TEA. (D) An undergraduate university educator preparation program may file an application with the TEA for approval, subject to periodic review, of a public or private school located outside the United States, as a site for student teaching required by this chapter. The application shall be in a form developed by the TEA staff and shall include at a minimum, the same elements required in subparagraph (C) of this paragraph for schools located within any state or territory of the United States.

Admission to Student Teaching

To be eligible for student teaching, students must:

1. Be unconditionally admitted to the Education Preparation Program and approved for student teaching status by the Education Preparation Program Committee.
2. Maintain a grade of C or better in courses in the teaching field(s), or academic specialization area, with an overall grade point average of not less than 3.0.
3. Secondary Education certification candidates must have a minimum cumulative GPA of 2.75 in their major courses.
4. Complete a minimum of 45 clock hours in field experience prior to student teaching.
5. Have senior status.
6. Complete all required methods courses.

7. Have a commitment to high moral and ethical standards, as defined by the Bulletin and TEA Educators' Code of Ethics.
8. Students seeking a Seventh-day Adventist certification from the North American Division Office of Education (NADOE) must complete at least one 7-week student teaching placement in an SDA school preferably in a combination or multigrade classroom.
9. File an application for student teaching two semesters prior to directed teaching. A valid graduation contract from the Registrar's Office must be in the student's file prior to student teaching placement.

The Education Department will review all applications to determine eligibility for student teaching. Admission to the EPP does not necessarily ensure acceptance into Student Teaching. Appeals to any decision must be made in writing to the Department of Education and Psychology, and if needed, to the Vice President for Academic Administration.

Dismissal from the EPP

It is never anticipated that a student will be asked to leave the education program. There are several levels of support provided for students in order to assist them through the process of teacher certification. Please seek assistance from these resources when necessary. It is much easier to deal proactively with a potential situation than to handle it re-actively. Failure to adhere to the TEA Educators' code of Ethics is cause for immediate removal from the program with no appeals allowed.

If a student finds it necessary to withdraw from the EPP, written notification is required. It is also important to speak with the advisor for the student to be aware of potential implication of leaving the program. If necessary, a student may be placed on a growth plan, targeting areas of deficiencies, and support to address and remediate these deficiencies.

A committee will meet comprised of members familiar with the student's situation and construct a plan including goals and a specific timeline. Failure to meet the goals in the growth plan will result in dismissal from the EPP.

Appeals:

Appeals must be submitted in writing to the Department Chair and the student's advisor. If appealing an admission or dismissal decision, the request must be provided to the department no more than 5 days after decision is rendered.

Recommendation to the State Board for Educator Certification

To be recommended to the State Board for Educator Certification (SBEC) for teacher certification, a student must have successfully met the following criteria:

- All specified course work must be completed on the degree plan or certification plan in which certification is sought.
- Students must complete EDUC 495 and EDUC 496 and score a minimum of 80% on the post tests to receive approval to take the TExES certification exams.
- Candidates seeking Texas certification must pass all appropriate state exams (limit of four retests) and apply for appropriate state certification(s) with the State Board for Educator Certification/Texas Education Agency within six months of the completion of their student/ clinical teaching or practicum program. If a candidate allows the six-month period to go by without passing all state exams and applying for certification, additional coursework and/or state exams may be required for recommendation for certification. Additional coursework will be determined by the appropriate Program Coordinator in consultation with faculty.
- In accordance with Article 6252-13c, Texas Civil Statutes, the Texas Commissioner of Education may suspend or revoke a teaching certificate, or refuse to issue a teaching certificate, for a person who has been convicted of a felony or misdemeanor for a crime which directly relates to the duties and responsibilities of the teaching profession. All applicants for Texas certificates will be screened for a record of felony or misdemeanor conviction through the Texas Department of Public Safety. Students must make application through the SBEC website and enclose the appropriate fee required for the certificate sought. The Teacher Certification Officer will make recommendations based upon satisfactory completion of all requirements pertaining to certification.

State Certification

Early Childhood Education (EC6)

Core Subjects EC-6

Secondary 7-12

English

History

Life Science

Mathematics

Physical Science

Social Studies

All Level

Physical Education (PE)

Music

SDA Teaching Certification

North American Division of Seventh-day Adventists: Elementary Endorsement for Grades 1-8, Specialty Endorsement in Kindergarten, and Secondary Content Area Endorsement for Grades 7 - 12. Content areas available for Grades 7-12 are Business, English, History, Journalism, Life Science, Mathematics, Music, Physical Education, and Social Studies. Students must earn a grade of C or higher for credit in all religion courses required for NAD certification.

Federal Title II Rating

Southwestern Adventist University is currently ranked in the second quartile nationally for its Title II rating. This reflects a 90% pass rate by students taking the state certification exams.

Educator Certification Examination Retake

Beginning September 1, 2015 candidates will be limited to four attempts to retake any educator certification examination. The Texas Education Agency (TEA) is implementing this change to Texas Education Code §21.048 in response to HB 2205, 84th Texas Legislature, 2015. Students may request a waiver from the Texas Education Agency in order to attempt additional exam attempts beyond the maximum limit.

Academic Foundations

Those seeking certification in Early Childhood (EC) through grade eight, content areas for grades seven through twelve, All Level Physical Education and Music K-12 are required to meet general education requirements in the Core Curriculum section of this bulletin

General Education Curricula Minimum Requirements (Students who qualify for honors classes may substitute where appropriate).

English

Communication competency will be done in EDUC 275, 310, 326, 418, 475, and KINT 244

Item #	Title	Credits
ENGL 121	Freshman Composition	3
ENGL 220	Research Writing	3
	ENGL 231 or ENGL 232	3

History & Social Sciences

Item #	Title	Credits
HIST 111	United States History to 1865	3
HIST 112	United States History from 1865	3
HIST 242	Historical and Political Geography	3
POLS 211	National and Texas Constitutions	3

Math/Natural and Computer Science

MATH 131 Applied Math and any other College level Math (100 or above) - 6 hours

Two classes of lab Science - One Semester of physical science is required - 8 hours

CSIS Computer Science competency will be done in EDUC 350

Item #	Title	Credits
MATH 131	Applied Mathematics	3
	Life and Physical Science General Education Requirement	8

Health & Physical Education

Item #	Title	Credits
UNIV 111	Wellness for Life	2
	Kinesiology General Education Requirement	2

Religion

These specific classes are required for SDA certification only. For those seeking only state certification, it is strongly recommended that students enroll for a minimum of one course each school year. Applied religion is not to exceed 3 credits; 3 of the religion credits must be upper division. Transfer students from non-SDA schools must have 3 hours of religion credit per 30 credits taken in residence at Southwestern, with a minimum of 6 hours. Religion classes taken prior to enrollment at Southwestern will be considered for transfer, at least 3 hours must be from an SDA school, and non-SDA religion classes taken after enrolling at SWAU will not be transferred

Item #	Title	Credits
RELT 101	Christian Beliefs	3
RELT 201	Bible Study Methods	3
RELH 230	History of the Seventh-day Adventist Church	3
	RELB upper division (see advisor)	3
	Total credits:	51

B.S. Elementary Education

Professional Development

Required for Elementary Education Majors and for Secondary Education Certification

EDUC 254 not required for Physical Education majors.

Item #	Title	Credits
EDUC 254	Introduction to the Teaching Profession	3
EDUC 312	Educational Psychology	3
EDUC 326	Learners With Exceptionalities	3
EDUC 350	Digital Literacy Proficiency	3
EDUC 385	Philosophy of Christian Education	3
EDUC 418	Legal Foundations of Education	3
EDUC 434	Classroom Assessment	3
EDUC 436	Classroom Management	3
	EDUC 475 or EDUC 485	6
EDUC 496	TEXES Prep #2 - Pedagogy and Professionalism Responsibilities EC-12	0
PSYC 220	Human Growth and Development	3

Secondary Education Certification also requires:

Item #	Title	Credits
EDUC 322	Adolescent Psychology	3
EDUC 450	Teaching in the Secondary School	3

Elementary Education Majors Early Childhood - Grade 6

Item #	Title	Credits
ARTS 223	Arts/Crafts/Drama	3
EDUC 275	Multicultural Perspective	3
EDUC 310	Teaching English as an Additional Language	3
EDUC 364	Kindergarten Materials and Methods	3
EDUC 375	Children's Literature	3
EDUC 382	Reading and Language Arts in the Elementary School	3
EDUC 386	Mathematics in the Elementary School	3
EDUC 414	Science and Health in the Elementary School	3
EDUC 419	Social Studies in the Elementary School	3
EDUC 424	Language Arts Essential Skills in the Elementary School	3
EDUC 460	Differentiated Instruction for the Elementary Classroom	3
EDUC 495	TEXES Prep #1 - Core Subjects EC-6	0
KINT 244	Physical Education in the Elementary School	3
MUED 253	Music in the School	3
	Total credits:	72

Education Course Descriptions

EDUC 254: Introduction to the Teaching Profession

This course provides students with the opportunity to explore the field of teaching and reflect on their interest in education. Students will also examine current and historical roles, expectations, stereotypes, and characterizations that define teaching as a profession. Pre-service teachers will also engage in activities designed to sharpen critical thinking as well as acquaint themselves with current trends in the discipline of teaching. Pre-service teachers will begin the process of developing their e-portfolio. Includes field experience.

Credits: 3

Prerequisites:

ENGL 121

Semester Offered: Spring

EDUC 275: Multicultural Perspective

A study of racial and ethnic groups in American society featuring an examination of their history, cultural heritage, contribution, struggles, and hopes for the future. Emphasis will be placed on a strength-based analysis of diverse groups. Focus will also address working with families in a classroom and counseling setting to be best serve a multicultural society. Course content will guide students to be better informed and proactive in a multicultural society.

Credits: 3

Semester Offered: Fall

EDUC 298: Individual Study Topics

A study in an area of interest under the direction of a staff member. This study may involve research, laboratory, or library work. Content and method of study must be arranged prior to registration. May be repeated for a total of 3 credits.

Credits: 1-2

Semester Offered: Fall, Spring

EDUC 299: Directed Group Study Topics

Provides academic departments an opportunity to offer courses in specialized or experimental areas, either lower or upper division, not listed in the undergraduate *Bulletin*. May be repeated for a total of 3 credits.

Credits: 1-3

EDUC 310: Teaching English as an Additional Language

This course will address theoretical and practical aspects of second language instruction. A variety of teaching strategies will be presented, along with ways to incorporate national and state standards into lesson planning and classroom activities. Socio-cultural issues of language and language acquisition will be covered. Formal and informal assessment procedures will be introduced and reviewed. Current trends and issues will be discussed as they related to second language learners.

Credits: 3

Prerequisites:

Admission to Education Preparation Program

Semester Offered: Fall

EDUC 312: Educational Psychology

A study of psychology as it relates to the learning processes and teaching methods. Principles and theories of learning are reviewed and individual differences and psychological concepts examined. Attention is given to exceptional learners. Includes field experience.

Credits: 3

Semester Offered: Fall

EDUC 322: Adolescent Psychology

An overview of the physical, mental and emotional phases of human development during the adolescent years. A study of the environmental and educational problems of the teenager. (Also taught as **PSYC 322**)

Credits: 3

Semester Offered: Spring

EDUC 326: Learners With Exceptionalities

A study of the 13 disability categories outlined in the Individuals with Disabilities Act of 2004. Emphasis on understanding the educational needs of students with disabilities. The study includes characteristics, causes, prevalence, and legislation regarding students with disabilities. Admission, review, and dismissal procedures for students requiring an Individualized Educational Plan (IEP) or other specialized program(s) are covered. The roles and responsibilities of the classroom teacher are integrated into the study of each specific disability category. (Also taught as **PSYC 326**)

Credits: 3

Semester Offered: Spring

EDUC 350: Digital Literacy Proficiency

Explores the essential elements needed for the acquisition of knowledge and competencies to promote 21st century digital learning skills. Students will learn about the need for collaboration, communication, critical and creative thinking. Components of S.T.E.A.M., Problem-Based Learning, robotics, video/audio editing, podcasting, green screen technology, and coding will also be addressed. Meets technology requirements for the Texas Teaching Credential and the North American Division educational technology and renewal certification requirements. This course meets the computer science requirement for education majors only.

Credits: 3

Semester Offered: Spring

EDUC 364: Kindergarten Materials and Methods

A course designed to prepare pre-service teachers for the kindergarten classroom. The study of developmentally appropriate practice in early childhood settings is central to this course. Education of the whole child is emphasized through attention to individual student needs, abilities, and interests. Areas of study include: art, dramatic play, language, literacy, math, music, movement, science, sensory centers, and social studies. Field experience is required for successful completion of the course.

Credits: 3

Prerequisites:

Admission to education preparation program

Semester Offered: Fall

EDUC 375: Children's Literature

A course designed to introduce the pre-service teacher to the many benefits of children's literature. A wide range of genres, authors, illustrators, and titles will be emphasized. Students will learn to identify quality literature, award categories, and make informed book selections for the classroom. The use of children's literature for study and recreation will be emphasized. Connections to authentic reading experiences will be provided throughout the semester.

Credits: 3

Prerequisites:

Admission to education preparation program

Semester Offered: Fall

EDUC 382: Reading and Language Arts in the Elementary School

A course designed to acquaint the pre-service teachers with the strategies to help ALL children become better readers through systematic, multimethod, multilevel instruction. The focus will be on the essential components of a balanced literacy program to include assessment, lesson planning, strategic reading processes, and program implementation. Includes field experience. This course includes six hours of dyslexia education as required by the Texas Administrative Code (TAC). TAC Rule 228.35 (4)

Credits: 3

Prerequisites:

Admission to education preparation program

Semester Offered: Fall

EDUC 385: Philosophy of Christian Education

This course is to prepare students to cultivate a holistic approach regarding their philosophy of Christian education. It will examine the basic schools of thought and their correlation with Biblical principles, explore different schools of philosophy and define their educational aims and methods, curriculum, and the role of the teacher. A personal philosophy of Christian education will be developed that reflects the role of Seventh-day Adventist Christian Education, and its ministry to the Christian faith community, as well as to the world.

Credits: 3

Prerequisites:

Prerequisites: Admission to the education preparation program.

EDUC 386: Mathematics in the Elementary School

A course designed to acquaint the pre-service teacher with concepts, methods, and available materials for effective mathematics instruction in the elementary school. Creative development of materials and lesson plans are emphasized. (This course does not apply to mathematics requirements.) Includes field experience.

Credits: 3

Prerequisites:

Admission to education preparation program

Semester Offered: Fall

EDUC 414: Science and Health in the Elementary School

Pre-service candidates study how to design, implement, and evaluate standards-based science lessons including integrating content from the Texas TEKS for science and health into the science curriculum in meaningful ways. SDA ByDesign science curriculum will be addressed in the areas of healthy lifestyle choices and disease prevention. Students will have opportunities to develop teaching lessons and instruct local area elementary students in a laboratory setting. (This course does not apply to General Education science requirements.) Includes field experience.

Credits: 3

Prerequisites:

Admission to Education Preparation Program

Semester Offered: Spring

EDUC 418: Legal Foundations of Education

A study of the legal aspects of education, with emphasis on the responsibilities, duties, and existing constitutional statutory rights of agencies and individuals. Topics related to students with special needs and those from diverse populations will be covered.

Credits: 3

Prerequisites:

Admission to education preparation program

Semester Offered: Fall

EDUC 419: Social Studies in the Elementary School

An overview of the multicultural elementary school social studies program which incorporates proven teaching strategies such as models of teaching, cooperative learning, learning styles, and dimensions of learning. Students will have opportunity to develop thematic lesson plans in an active-learning environment. (This course does not apply to social studies requirements.) Includes field experience.

Credits: 3

Prerequisites:

Admission to education preparation program

Semester Offered: Spring

EDUC 424: Language Arts Essential Skills in the Elementary School

Designed to acquaint the pre-service teacher to implement a robust language arts program for the elementary classroom. Topics include all aspects of writing instruction including idea development, revision, mechanics, spelling, and publication. A writing workshop format will be used to engage students in developing writing lessons, writing assessment, and writing connections across the curriculum that align with Texas Essential Knowledge and Skills as well as SDA Language Arts Standards. Field experience is required.

Credits: 3

Prerequisites:

Admission to education preparation program and successful completion of **EDUC 382**.

Semester Offered: Spring

EDUC 434: Classroom Assessment

This class prepares pre-service teacher to have a better understanding of classroom learning and assessment. Attention will be given to test construction and evaluation of test results.

Credits: 3

Prerequisites:

Admission to education preparation program and senior class status

Semester Offered: Spring

EDUC 435: Classroom Management for the Secondary School

The purpose of this course is to help pre-service teachers develop systematic strategies and techniques for organizing and managing classroom activities and students. Research and practitioner-based models for classroom management will be reviewed and explored. Emphasis will be based upon real-world solutions that prepare pre-service teachers to be effective managers of their classrooms so that student learning is maximized.

Credits: 2

Prerequisites:

Admission to education preparation program and senior class status

Semester Offered: Spring

EDUC 436: Classroom Management

The purpose of this course is to help teachers develop systematic strategies and techniques for organizing and managing classroom activities and students. Research and practitioner-based models for classroom management will be reviewed and explored. Emphasis will be based upon real-world solutions that prepare teachers to be effective managers of their classrooms so that student learning is maximized. Note: This is a senior class and is to be taken concurrently with student teaching.

Credits: 3

Prerequisites:

Admission to teacher education preparation program and senior class status

Semester Offered: Spring

EDUC 450: Teaching in the Secondary School

A study of the teacher's role, teaching techniques, classroom management and evaluation of learning experiences in the secondary school as these affect all students, including those with special needs and minorities. This course also addresses reading in the content area. Includes field experience. Included in this course are content area reading strategies for secondary students and 6 hours of Dyslexia training as required by Texas Administrative Code (TAC). (TAC RULE §228.35 (4)

Credits: 3

Prerequisites:

Admission to student teaching

Semester Offered: Fall

EDUC 460: Differentiated Instruction for the Elementary Classroom

This course focuses on preparing pre-service teachers for the inclusive classroom setting. Emphasis is placed on understanding how to meet the needs of the many different learners in classrooms and schools. It provides opportunities to examine the characteristics of a differentiated classroom; how to frame instruction around concepts; and some techniques for differentiating content, process, and product. Special emphasis is given to collaboration, inclusion, exceptionality (including gifted and talented), multi-grade classrooms, individual education, transition plans, effective assessment, and instructional procedures and student diversity.

Credits: 3

Prerequisites:

Admission to the Education Preparation Program.

Semester Offered: Spring

EDUC 475: Directed Teaching in Elementary School

This course is a 14-week student teaching experience. Students are required to engage in full-day teaching in an approved elementary classroom. Student teachers work under the guidance of a mentor teacher and a university supervisor. Available to seniors only in their final semester. Placement requires approval of education faculty. Pass/Fail.

Credits: 6

Prerequisites:

Two-thirds of the professional education classes, academic specialization(s) and academic foundations, senior standing, and admission to student teaching

Semester Offered: Fall, Spring

EDUC 485: Directed Teaching in Secondary School

This course is a 14-week student teaching experience. Students are required to engage in full-day teaching in an approved classroom (grades 7-12). Student teachers work under the guidance of a mentor teacher and a university supervisor. Available to seniors only in their final semester. Placement requires approval of education faculty. Pass/no pass course.

Credits: 6

Prerequisites:

Two-thirds of the professional education classes, academic specialization(s) and academic foundations, senior standing, and admission to student teaching.

Semester Offered: Fall, Spring

EDUC 495: TExES Prep #1 - Core Subjects EC-6

This course assists students in understanding the state and federal standards for their chosen certification areas. Students complete intensive reviews for Core Content EC-6 certification exams. Students must attend review classes and successfully complete Core Content EC-6 practice exams with 80% or higher as a prerequisite for permission to register with Pearson to take the state exam.

Credits: 0

Semester Offered: Spring

EDUC 496: TExES Prep #2 - Pedagogy and Professionalism Responsibilities EC-12

This course assists students in understanding the state and federal standards for their chosen certification areas. Students complete intensive reviews for their Pedagogy and Professionalism (PPR) certification exams. They must attend review classes and successfully complete PPR EC-12 practice exams with 80% or higher as a prerequisite for permission to register with Pearson to take the state exam.

Credits: 0

Semester Offered: Fall

EDUC 498: Individual Study Topics

A study in an area of interest under the direction of a staff member. This study may involve research, laboratory, or library work. Content and method of study must be arranged prior to registration. May be repeated for a total of 3 credits.

Credits: 1-2

Prerequisites:

Admission to education preparation program, and approval of department chair

Semester Offered: Fall, Spring

EDUC 499: Directed Group Study

A study in an area of student interest under the direction of a staff member. This study may involve research, laboratory, or library work. Content and method of study must be arranged prior to registration. May be repeated for a total of 3 credits.

Credits: 2-3

Prerequisites:

Admission to Education Preparation Program, and approval of department chair

Semester Offered: Fall, Spring

Education – Alternative Certification

Faculty/Staff

Cheryl The, Chair; Heather Archer Wilson, Michael England, Program Director and Certification Officer

Staff: Michelle Quiej, Administrative Assistant

Adjunct: Donna Berkner, Raul Clarke, Paul Des Jardins, Randy Gillam, Kisha Norris, Marcel Sargeant

Mission

The Southwestern Adventist University Education Department is committed to inspiring knowledge, faith, and service through Christ-centered education. Our mission is to prepare effective educators who are equipped for teaching in faith-based and/or public schools.

Education Certification Program Information

Alternative Certification Program

This program is designed for individuals who are in possession of an undergraduate degree and their degree is not in the field of education, but they want to enter the teaching profession. It is our goal to prepare individuals for State Certification in the State of Texas by means of online and field-based delivery systems.

The State Board of Educator Certification (SBEC) establishes the teacher certification standards and grants the certification once students have passed the necessary certification tests as stipulated by said body. This Alternative Certification Program (ACP) prepares and recommends students for certification when they have completed all requirements as stipulated by the Teacher Education Department at Southwestern Adventist University.

Admission Requirements

There are certain general admission requirements for all applicants and other requirements that are specific to your level and area of certification. General admission requirements for all applicants are as follows:

1. **Bachelor's degree from an accredited university.** Note: Applicants who are currently completing degree requirements will not be admitted to (ACP) until degree is confirmed. All applicants with degrees outside of the United States must have these degrees evaluated from an accredited evaluation service and admission to the alternative certification

program will be determined by the results of the evaluation. You can obtain an approved list of accredited evaluators from our office or the university registrar (**Educational Credential Evaluators, Inc.**, P O Box 514070, Milwaukee, WI. 53203-3470. Tel: 414-289-3400). If you have already completed this evaluation process, please submit your transcripts and evaluation to The Office of Admissions for further evaluation.

2. **GPA Requirement.** GPA of 2.50 from all post-secondary coursework from accredited institutions will be taken into consideration (i.e., community college and college/university) Maintain a minimum cumulative GPA of 2.75 in all courses in the ACP at Southwestern.
3. A Pre-Admission Content Exam (PACT) will be required in the following circumstances.
 - If the applicant has a GPA below a 2.5 or
 - If the applicant has not completed at least 12 semester credit hours in the subject area of the certificate the applicant is seeking (15 hours if seeking certification in math or science above 7th Grade). See the [TEA website](https://tea.texas.gov/texas-educators/certification/educator-testing/pre-admission-content-test) for more details (<https://tea.texas.gov/texas-educators/certification/educator-testing/pre-admission-content-test>).
4. **Prospective student is responsible for the following.** Completing application for admittance to the ACP (download application form from department website: acp.swau.edu)
 - A statement of purpose - one page, typed essay describing reasons for desiring a profession in the teaching field
 - Two letters of recommendation from individuals other than relatives. Preferably, these recommendations should come from work experience supervisors or former professors
 - Before acceptance to the program all students must submit to and pay for a criminal background check.
5. **Cost of Program.**
 - Application: \$75
 - A package price of \$5,000.00 will be charged for this program. A portion of this fee is designated as a training fee (\$200.00 for exam preparation and \$400.00 for the internship) Students will be responsible for purchasing their textbooks.
 - Financial aid will be available to qualifying students. All fees related to TExES exam fees and SBEC certification fees are not included as part of the program costs – students pay for their probationary and standard certificates
6. **Length of Program.** 12 - 18 months
 1. All coursework must be completed within 30 months of beginning the Alternative

Certification program or students will be required to re-apply and possibly repeat course work according to current changes required by the Department or TEA.

2. In order to support student success, ACP students are required to complete TEA state testing within 12 months of completing all coursework. Students who fail to meet this deadline must complete an approved remediation program prior to testing approval. Remediation costs are the responsibility of the graduate.

7. To maintain Program status students must:

- Give evidence of satisfactory professional growth
- Show promising development during internship period
- Demonstrate behaviors that are ethically and morally responsible

See current *Bulletin* under the Education section for additional information regarding student teaching and recommendation to SBEC for certification.

Course of Study for Certification Areas: Certification Areas

Early Childhood

- Core Subjects EC-6

Secondary Areas

- English Language Arts and Reading
- Life Science
- Mathematics
- Social Studies Composite

All Level Areas

- Music Education
- Physical Education

All classes are online.

Certification, All Level Education

Option 1 Music

Item #	Title	Credits
CERT 253	Music in the Schools	3
CERT 312	Educational Psychology	2-3
CERT 326	Learners With Exceptionalities	2-3
CERT 434	Classroom Assessment	2-3
CERT 436	Classroom Management	2-3
CERT 450	Teaching Methods	2-3
CERT 485	Directed Teaching in the Secondary School	4-6

Option 2 Physical Education

Item #	Title	Credits
CERT 244	Physical Education	3
CERT 326	Learners With Exceptionalities	2-3
CERT 431	Physical Education Methods (K-12)	3
CERT 434	Classroom Assessment	2-3
CERT 436	Classroom Management	2-3
CERT 450	Teaching Methods	2-3
CERT 485	Directed Teaching in the Secondary School	4-6
Total credits:		22

Elementary and Secondary Certifications

1. Elementary Education

Early Childhood - Grade 6

Item #	Title	Credits
CERT 312	Educational Psychology	2-3
CERT 326	Learners With Exceptionalities	2-3
CERT 382	Reading and Language Arts in the Elementary School	2-3
CERT 414	Science Methods	2-3
CERT 419	Social Studies Methods	3
CERT 424	Language Arts Essential Skills in the Elementary School	2
CERT 434	Classroom Assessment	2-3
CERT 436	Classroom Management	2-3
CERT 450	Teaching Methods	2-3
CERT 475	Directed Teaching in the Elementary School	4-6

Secondary Education

Option 1 English Language Art and Reading

Item #	Title	Credits
CERT 312	Educational Psychology	2-3
CERT 326	Learners With Exceptionalities	2-3
CERT 382	Reading and Language Arts in the Elementary School	2-3
CERT 434	Classroom Assessment	2-3
CERT 436	Classroom Management	2-3
CERT 450	Teaching Methods	2-3
CERT 485	Directed Teaching in the Secondary School	4-6
CERT 491	Reading in the Content Areas (For Grades 7-12)	2-3

Secondary Education

Option 2 Mathematics

Item #	Title	Credits
CERT 312	Educational Psychology	2-3
CERT 326	Learners With Exceptionalities	2-3
CERT 386	Mathematics Methods	2-3
CERT 434	Classroom Assessment	2-3
CERT 436	Classroom Management	2-3
CERT 450	Teaching Methods	2-3
CERT 485	Directed Teaching in the Secondary School	4-6

Secondary Education

Option 3 Social Studies

Item #	Title	Credits
CERT 312	Educational Psychology	2-3
CERT 326	Learners With Exceptionalities	2-3
CERT 419	Social Studies Methods	3
CERT 434	Classroom Assessment	2-3
CERT 436	Classroom Management	2-3
CERT 450	Teaching Methods	2-3
CERT 485	Directed Teaching in the Secondary School	4-6

Secondary Education

Option 4 Life Science

Item #	Title	Credits
CERT 312	Educational Psychology	2-3
CERT 326	Learners With Exceptionalities	2-3
CERT 414	Science Methods	2-3
CERT 434	Classroom Assessment	2-3
CERT 436	Classroom Management	2-3
CERT 450	Teaching Methods	2-3
CERT 485	Directed Teaching in the Secondary School	4-6
Total credits:		22

Education – Alternative Certification Course Descriptions

CERT 244: Physical Education

The course provides the pre-service teacher with an extensive repertoire of teaching techniques in all level (EC – 12) physical education program. Emphasis is placed on health-related fitness, skill development, special events, and game development.

Credits: 3

CERT 253: Music in the Schools

A course designed to prepare pre-service teachers to direct the music activities of children in all levels (EC – 12). The contents include fundamentals, appreciation, singing and rhythm activities.

Credits: 3

CERT 312: Educational Psychology

A study of psychology as it relates to the learning processes and teaching methods. Principles and theories of learning are reviewed and individual differences and psychological concepts examined. Attention is given to exceptional learners. Includes field experience.

Credits: 2-3

CERT 326: Learners With Exceptionalities

A study of the 13 disability categories outlined in the Individuals with Disabilities Act of 2004. Emphasis on understanding the educational needs of students with disabilities. The study includes characteristics, causes, prevalence, and legislation regarding students with disabilities. Admission, review, and dismissal procedures for students requiring an Individualized Educational Plan (IEP) or other specialized program(s) are covered. The roles and responsibilities of the classroom teacher are integrated into the study of each specific disability category. (Also taught as PSYC 326)

Credits: 2-3

CERT 382: Reading and Language Arts in the Elementary School

A course designed to acquaint the pre-service teachers with the strategies to help ALL children become better readers through systematic, multimethod, multilevel instruction. The focus will be on the essential components of a balanced literacy program to include assessment, lesson planning, strategic reading processes, and program implementation. Includes field experience. This course includes six hours of dyslexia education as required by the Texas Administrative Code (TAC). TAC Rule 228.35 (4)

Credits: 2-3

CERT 386: Mathematics Methods

A course designed to acquaint the pre-service teacher with concepts, methods, and available materials for effective mathematics instruction in the schools. Creative development of materials and lesson plans are emphasized. (This course does not apply to mathematics requirements.) Includes field experience.

Credits: 2-3

CERT 414: Science Methods

A course designed to prepare pre-service teachers with practical classroom tested activities and ideas that are presented on planning, organizing, managing, and assessing an effective guided discovery science program. Students will have opportunities to develop teaching lessons. (This course does not apply to science requirements.)

Credits: 2-3

CERT 419: Social Studies Methods

An overview of the social studies program that incorporates proven teaching strategies such as models of teaching, cooperative learning, learning styles, and dimensions of learning. Students will have opportunity to develop thematic lesson plans in an active-learning environment. (This course does not apply to social studies requirements.) Includes field experience.

Credits: 3

CERT 424: Language Arts Essential Skills in the Elementary School

Designed to acquaint the pre-service teacher to implement a robust language arts program for the elementary classroom. Topics include all aspects of writing instruction including idea development, revision, mechanics, spelling, and publication. A writing workshop format will be used to engage students in developing writing lessons, writing assessment, and writing connections across the curriculum that align with Texas Essential Knowledge and Skills as well as SDA Language Arts Standards. Field experience is required for successful completion of this course.

Credits: 2

CERT 431: Physical Education Methods (K-12)

The study of methods and techniques of teaching physical education in the elementary and secondary school, including individual as well as group activities; students are required to observe and demonstrate in class.

Credits: 3

CERT 434: Classroom Assessment

This class prepares prospective teachers to have a better understanding of classroom learning and assessment. Attention will be given to test construction and evaluation of test results.

Credits: 2-3

CERT 436: Classroom Management

The purpose of this course is to help pre-service teachers develop systematic strategies and techniques for organizing and managing classroom activities and students. Research and practitioner-based models for classroom management will be reviewed and explored. Emphasis will be based upon real-world solutions that prepare pre-service teachers to be effective managers of their classrooms so that student learning is maximized.

Credits: 2-3

CERT 450: Teaching Methods

A study of the teacher's role, teaching techniques, classroom management and evaluation of learning experiences in schools as these affect all students, including those with special needs and minorities. This course also addresses reading in the content area. Includes field experience. Included in this course are content area reading strategies for secondary students and six hours of dyslexia training as required by Texas Administrative Code (TAC). (TAC RULE §228.35 (4).

Credits: 2-3

CERT 475: Directed Teaching in the Elementary School

This course is a 14-week student teaching experience. Students are required to engage in full-day teaching in an approved elementary classroom. Student teachers work under the guidance of a mentor teacher and a university supervisor. Available to seniors only in their final semester. Placement requires approval of education faculty. Pass/Fail.

Credits: 4-6

Prerequisites:

Two-thirds of the professional education classes as outlined in the Alternative Certification Program

CERT 485: Directed Teaching in the Secondary School

This course is a 14-week student teaching experience. Students are required to engage in full-day teaching in an approved classroom (grades 7-12). Student teachers work under the guidance of a mentor teacher and a university supervisor. Available to seniors only in their final semester. Placement requires approval of education faculty. Pass/no pass course.

Credits: 4-6

Prerequisites:

Two-thirds of the professional education classes as outlined in the Alternative Certification Program

CERT 491: Reading in the Content Areas (For Grades 7-12)

This course addresses the importance of developing reading and writing skills across all content areas in middle school and high school. The development of critical reading strategies will be emphasized. Teaching methods will address the needs of both struggling and advanced readers. The development of reading comprehension will be emphasized. Additionally, six hours of training related to dyslexia will be included in this course as required by the Texas Administrative Code (TAC). (TAC Rule 228.35)

Credits: 2-3

English

Faculty/Staff

Renard Doneskey Chair; Kristin Denslow, Jayne Doneskey

Aims of the Department

The English Department provides classes and support for English majors, English minors, and general studies students. In Freshman Composition and Research Writing all students at the university learn how to write coherent, well-organized essays. Students also take a literature class which requires writing on literary topics. The department helps English majors and minors understand and appreciate American, English, and world literature as well as linguistics and composition.

Students may elect courses which prepare them for careers as secondary English teachers, for graduate study in English, professional schools, or careers where the ability to read closely, write effectively, and think critically is essential. A major in English is also an important asset to any student who wishes to specialize in several professional areas: law, medicine, business, public relations, publishing, library science, or government service.

Programs and General Information

ENGL 121 and 220 must be completed in sequence before any other course in English can be taken.

B.A. English

Required Courses

Item #	Title	Credits
ENGL 211	Approaches to Literary Research and Criticism	3
	ENGL 221 or ENGL 222	3
	ENGL 231 or ENGL 232	3
ENGL 321	Literary Theory	3
ENGL 342	Composition Theory and Practice	3
ENGL 416	The Origins of English: Language and Literature	3
ENGL 440	Senior Project	3
ENGL 464	Advanced Grammar	3

Literature Electives

Item #	Title	Credits
ENGL 450	Early Modern Literature	3
ENGL 453	Studies in 18th Century Literature	3
ENGL 455	Studies in Romantic Literature	3
ENGL 456	Studies in Victorian Literature	3
ENGL 457	Studies in 20th Century Literature	3
ENGL 459	The American Classics	3

Required Cognate

Item #	Title	Credits
COMM 111	Speech	3
	Total credits:	36

B.A. English, Writing Emphasis

Required Courses

Item #	Title	Credits
ENGL 211	Approaches to Literary Research and Criticism	3
	ENGL 231 or ENGL 232	3
ENGL 321	Literary Theory	3
ENGL 342	Composition Theory and Practice	3
ENGL 416	The Origins of English: Language and Literature	3
ENGL 440	Senior Project	3
ENGL 464	Advanced Grammar	3

Literature Electives

Item #	Title	Credits
ENGL 450	Early Modern Literature	3
ENGL 453	Studies in 18th Century Literature	3
ENGL 455	Studies in Romantic Literature	3
ENGL 456	Studies in Victorian Literature	3
ENGL 457	Studies in 20th Century Literature	3
ENGL 459	The American Classics	3

Writing Electives

Item #	Title	Credits
ENGL 333	Narrative Writing	3
ENGL 335	Essay and Opinion Writing	3
ENGL 339	Poetry Writing	3
ENGL 340	Drama Writing	3

Required Cognate

Item #	Title	Credits
COMM 111	Speech	3
	Total credits:	39

Minor in English

Required Courses

Item #	Title	Credits
	ENGL 221 or ENGL 222	3
ENGL 224	Survey of English Literature	3
	ENGL 231 or ENGL 232	3
ENGL 464	Advanced Grammar	3
	ENGL Minor Electives	6
	Total credits:	18

Teaching Certification Program

Teaching Certification Program

The following English major and minors are for teaching certification only. Requirements for certification are listed in the Education section of this *Bulletin*.

You must make formal application for admittance to the Teacher Education Program. Applications are available at the Education Department office.

English, B.A. - Secondary Teaching Area

The student must meet the requirements for a B.A. degree in English.

English Minor - Secondary Certification

Item #	Title	Credits
	ENGL 221 or ENGL 222	3
ENGL 224	Survey of English Literature	3
ENGL 231	American Literature I	3
ENGL 342	Composition Theory and Practice	3
ENGL 464	Advanced Grammar	3
	ENGL Teaching Electives	9
	Total credits:	24

English Course Descriptions

ENGL 041: Integrated Reading and Writing

This course combines classroom work (3 hours per week) with writing lab visits (2 visits per week) in order to develop students' critical thinking, reading skills, and writing ability. The course requires reading from a variety of genres, with a focus on vocabulary development and improved comprehension through a variety of reading strategies. The student will also learn to write effective essays in at least two modes (personal and argumentative). The skills should combine, as reading, analyzing, and summarizing lead to skills used in writing well-developed, well-organized papers. Students passing this course with at least a C- qualify to take **ENGL121**
Credits: 3

ENGL 121: Freshman Composition

This course focuses on individual writing processes, the production of quality expository and argumentative prose for a variety of purposes and audiences, and the introduction of information literacy skills. The course also emphasizes the development and use of critical thinking and reading skills essential for writing college-level papers.
Credits: 3

Prerequisites:

Minimum SAT Critical Reading score of 480, a minimum ACT English score of 17, a minimum grade of C- in **ENGL 041**, or a score of 80 on the Michigan Test of Language Proficiency.

Semester Offered: Fall, Spring

ENGL 211: Approaches to Literary Research and Criticism

The course introduces the concepts, applications, and research involved in literary criticism. The student will be introduced to literary genres and terms. Writing of literary criticism will be the main emphasis of the class, including the use of primary sources, the construction of an essay, and the correct documentation format as specified in the Modern Language Association Stylebook. English majors will begin the process of senior portfolio development.

Credits: 3

Prerequisites:

ENGL 121

ENGL 220

Semester Offered: Spring

ENGL 220: Research Writing

This course focuses on elements of research and information literacy skills and writing using sources. Structured for students from a variety of academic disciplines, the course emphasizes the rhetorical principles of audience, purpose, genre, and practice with APA/MLA documentation. A major focus includes critically evaluating scholarly and popular resources, both hard copy and electronic.

Credits: 3

Prerequisites:

ENGL 121

Semester Offered: Fall, Spring

ENGL 221: World Masterpieces: Ancient to Enlightenment

A study of Ancient, Medieval, and Renaissance literature read in translation. Some selections from English literature may be included.

Credits: 3

Prerequisites:

ENGL 121

ENGL 220

Semester Offered: Fall

ENGL 222: World Masterpieces: Enlightenment to Contemporary

This course focuses on world masterpieces from the Enlightenment to modern literature.

Credits: 3

Prerequisites:

ENGL 121

ENGL 220

Semester Offered: Spring

ENGL 224: Survey of English Literature

This literature course surveys major figures and trends in British literature from the Anglo-Saxon period into the 20th century.

Credits: 3

Prerequisites:

ENGL 121

ENGL 220

Semester Offered: Spring

ENGL 231: American Literature I

A comprehensive study of the major writers and literary movements from 1609-1860, this course emphasizes Franklin, Hawthorne, Whitman, and Dickinson. The class focuses on the establishment of a distinctly American literature in both content and style.

Credits: 3

Prerequisites:

ENGL 121

ENGL 220

Semester Offered: Spring

ENGL 232: American Literature II

This course focuses on the genres of poetry, drama, the short story, and the novel with an emphasis on the way Americans prefer individual freedom to society's accepted norms.

Credits: 3

Prerequisites:

ENGL 121

ENGL 220

Semester Offered: Fall

ENGL 272: Introduction to Drama

This course is a study of representative plays, considering their literary history and dramatic staging.

Credits: 3

Semester Offered: Fall

ENGL 278: Dramatic Production

Students will help to produce a play for the university, cultivating voice control, stage presence, character creation, and stage management. Course may be repeated. This course is for elective credit only.

Credits: 3

Prerequisites:

Permission of the instructor

ENGL 298: Individual Study Topics

This course offers the student opportunity to pursue investigations in fields of special interest under the direction of the departmental staff. Content and method of study must be arranged prior to registration, and it may be repeated for a total of 3 credits.

Credits: 1-3

Prerequisites:

Approval by department chair

ENGL 321: Literary Theory

This course introduces students to literary theories and genres and their application to selected works of literature. Students will learn to analyze fiction, non-fiction, drama, and poetry using various theoretical lenses and critical approaches.

Credits: 3

Semester Offered: Fall

ENGL 322: Literary Perspectives

This class explores the nature of literature, often through its various genres, its differing historical and cultural contexts, and its various critical approaches. Content may concentrate on a specific author (Dante, Shakespeare), literary period (World War I), theme (the hero in literature), or emphasis (women's literature). Subject matter may vary, depending on the instructor and the sequence of the class. Students may repeat the course for credit if topic, emphasis, or genre differs from the previous class. Applies toward the general education literature requirement but not for the English major.

Credits: 3

ENGL 333: Narrative Writing

The course focuses on the writing of narrative, examining traditional and non-traditional plots, character development, dialogue, setting, and other literary techniques.

Credits: 3

Prerequisites:

ENGL 220

Semester Offered: Spring, Even Years

ENGL 335: Essay and Opinion Writing

The course focuses on a variety of prose and students writing personal and persuasive essays, opinion pieces and editorials, autobiography and memory vignettes, and travel pieces.

Credits: 3

Prerequisites:

ENGL 121

ENGL 220

Semester Offered: Spring odd years

ENGL 339: Poetry Writing

Students write poems and read the work of others, including fellow class members as well as established poets. The class works within a supportive workshop framework.

Credits: 3

Prerequisites:

ENGL 220

Semester Offered: Fall, odd years

ENGL 340: Drama Writing

This course focuses on writing for performance, which may include the creation of stage plays as well as screenplays. Students will coordinate with COMM 337 Video Production II students in the development of scripts for production during the semester. General concepts are included to provoke thought about writing on a much broader basis. This includes discussions on dialogue, characterization, conflict, action, and setting, as well as the variations in writing for screen versus stage. (Also taught as COMM 340.)

Credits: 3

Prerequisites:

ENGL 220

Semester Offered: Spring odd years

ENGL 342: Composition Theory and Practice

This course, open to all majors, emphasizes both the theoretical and practical aspects fundamental to successful writing and the teaching of writing. Students examine major contemporary writing theorists and their research or contributions to the field of composition, analyze theory in relation to their own writing, define principles of effective writing and the teaching of writing, and apply these principles in a tutoring experience. Thirty hours of mentored tutoring in The Write Spot serves as a lab experience for the course.

Credits: 3

Prerequisites:

ENGL 121

ENGL 220

Semester Offered: Fall

ENGL 416: The Origins of English: Language and Literature

This course introduces students to the history of the English language, particularly as it is preserved in the literature of Old, Middle, and Early Modern English. Primary texts will include Beowulf, Chaucer, and excerpts from the King James Bible, among others. The course will demonstrate the flexibility, adaptability, and literary capability of the English language by studying primary sources

Credits: 3

ENGL 440: Senior Project

In this capstone class, students will prepare a major writing sample suitable for publication as well as prepare a senior portfolio for presentation. This course, taken during the student's senior year, serves as the fourth-year writing class.

Credits: 3

Prerequisites:

ENGL 220

Semester Offered: Fall, Spring

ENGL 450: Early Modern Literature

This course studies the prose, poetry, and drama of English literature in the 16th and 17th centuries, situating them within the historical and cultural milieu of the time. The course will study authors including Thomas More, Edmund Spenser, William Shakespeare, Ben Jonson, John Donne, George Herbert, and John Milton. The course may be taken for general education credit with permission of the instructor only.

Credits: 3

ENGL 453: Studies in 18th Century Literature

This course focuses on English poetry and prose from 1660-1800 with special attention to the major works of Dryden, Swift, and Pope. The course may be taken for general education credit with permission of the instructor only.

Credits: 3

Prerequisites:

ENGL 121

ENGL 220

Semester Offered: Fall, even years

ENGL 455: Studies in Romantic Literature

This course covers representative English Romantic poetry and prose with special emphasis on Wordsworth, Coleridge, Shelley, Keats, and Byron. It may be taken for general education credit with permission of the instructor only.

Credits: 3

Prerequisites:

ENGL 121

ENGL 220

Semester Offered: Spring odd years

ENGL 456: Studies in Victorian Literature

This course is a study of British poetry, novels, essays, and plays from 1830-1900 with emphasis on Dickens, R. Browning, Hardy, and E. Bronte. The course may be taken for general education credit with permission of the instructor only.

Credits: 3

Prerequisites:

ENGL 121

ENGL 220

Semester Offered: Fall, odd years

ENGL 457: Studies in 20th Century Literature

This course is a study of the major trends and writers in English and American literature since 1900. It may be taken for general education credit with permission of the instructor only.

Credits: 3

Prerequisites:

ENGL 121

ENGL 220

Semester Offered: Spring even years

ENGL 459: The American Classics

This course is a study of major texts or authors in American literature in the nineteenth and twentieth centuries with an emphasis on distinctive elements in American subject matter and style. This course may be taken for general education credit with permission of instructor only.

Credits: 3

Semester Offered: Spring odd years

ENGL 464: Advanced Grammar

This course is primarily designed for prospective elementary and secondary teachers who will need the knowledge of and methods for teaching basic English grammar. Study also will be given to current theories and rules of grammar.

Credits: 3

Prerequisites:

ENGL 121

ENGL 220

Semester Offered: Fall

ENGL 498: Individual Study Topics

This course offers the advanced student opportunity to pursue investigations in fields of special interest under the direction of the departmental staff. Content and method of study must be arranged prior to registration, and it may be repeated for a total of 3 credits.

Credits: 1-3

Prerequisites:

Approval by department chair

General and Interdisciplinary Studies

Faculty/Staff

Cristina Thomsen, General and Interdisciplinary Studies Program Director

Renata Ocampo; Cristina Thomsen, Departmental Sponsors / Advisors

Descriptions of the Programs

Southwestern's General and Interdisciplinary Studies programs provide flexible, multidisciplinary curricula that challenge students to achieve proficiency in several subjects rather than focusing on one major area of study. The General and Interdisciplinary Studies curricula are geared to prepare students for a lifetime of evolving opportunities aligned with their career aspirations.

These programs are designed for students who:

- 1) Aspire to earn an interdisciplinary college degree that integrates two or more areas of emphasis.
- 2) Wish to attend Southwestern yet aspire to a career for which Southwestern does not offer a major, or that overlaps multiple existing majors.
- 3) Choose to attend Southwestern, but whose career goals require a general associate's or bachelor's degree rather than a specific major.
- 4) Encounter a significant hurdle(s) in a specific major, yet wish to complete a degree.
- 5) Desire to apply credits earned as part of an AAS degree toward a bachelor's degree.

Associate of Science

Associate of Science

The Associate of Science, General Studies, comprises all the general education courses required for a Bachelor of Science degree with the following exception: 6 hours of religion instead of 12, and no upper division credits are required. The Associate of Science degree is not awarded en route to or concurrently with a bachelor's degree at Southwestern. However, a student who has earned an Associate of Science degree at Southwestern may elect to complete the requirements for a bachelor's degree.

Total credits: 60

Bachelor of Applied Arts and Sciences Bachelor of Applied Arts and Sciences (B.A.A.S.)

Individuals who begin careers in technical fields often seek to further their education for advancement and promotion by completing a four-year bachelor's degree. The BAAS program is designed to transition students from an Associate of Applied Arts or an Associate of Applied Science degree to a bachelor's degree using courses that provide knowledge and skills designed to enhance marketability and leadership potential.

The Bachelor of Applied Arts and Sciences degree consists of

- General Education 33 credit hours
- Career Field/Occupation 30-39 credit hours
- Professional Development 34 credit hours
- Electives 12-21 credit hours
- UNIV 111 2 credit hours

General Education

COMM111, ENGL 121, and General Education Math are prerequisites.

Item #	Title	Credits
BIOL 345	Environment and Mankind	4
COMM 111	Speech	3
CSIS 105	Introduction to Computing	3
ENGL 121	Freshman Composition	3
ENGL 220	Research Writing	3
	History for BAAS	3
	Humanities for BAAS	3
	KINA Electives	2
MATH 103	The Essentials of Mathematics	3
	Religion Electives for BAAS	6

Career Field/Occupation

Transferred from associate's degree. The number of credits may vary depending on the number of credits transferring in.

Professional Development

Item #	Title	Credits
BUAD 301	Principles of Management	3
BUAD 372	Human Resources Management	3
BUAD 460	Ethics and Business Social Responsibility	3
COMM 241	Public Relations	3
COMM 335	Persuasion	3
POLS 425	Executive Leadership	3
PSYC 212	General Psychology	3
PSYC 338	Conflict Resolution	3
SOCI 111	Introduction to Sociology	3
UNIV 420	Capstone Seminar	1
	Professional Development Electives	6

University Electives

Electives to reach 120 total hours and 36 upper-division hours. The number of credits may vary depending on the number of credits transferring in.

UNIV 111

Item #	Title	Credits
UNIV 111	Wellness for Life	2
Total credits:		120

General Studies

B.S. in General Studies

This program serves three cohorts of students: it offers an entry point for freshmen who have not yet selected an academic path; it offers an exit path for students who may have encountered a significant hurdle in their traditional major; and it serves students seeking a general bachelor's degree. Traditional, on-campus students who begin college as General Studies majors will be encouraged to transfer into a traditional major, the interdisciplinary studies major, or the associate's degree program upon reaching sophomore status.

The General Studies BS degree consists of 42 credits (18 upper-division) within one of four broad categories: Humanities, Professional Studies, Social Sciences, and Sciences. All University requirements for the QEP, general education courses, and GPA must be met. In addition, all General Studies bachelor's degree graduates will complete the Capstone seminar course, UNIV 420 (1 credit hour), or departmental capstone equivalent.

Area of Emphasis

UNIV 420 or Discipline Specific Capstone Class

Item #	Title	Credits
UNIV 420	Capstone Seminar	1
Total credits:		120

Interdisciplinary Studies

Interdisciplinary Studies B.A. / B.S.

A student who has a specific career goal not included in the majors and minors offered by Southwestern may choose two or more areas of emphasis to create an Interdisciplinary Studies Bachelor's degree. In consultation with the Records Office, an academic advisor and chair from the sponsoring department(s) will prepare a graduation plan. This degree plan provides greater flexibility for students in the choice of coursework or emphases.

Possible career paths and emphasis combinations include:

- Bioinformatics (Biology and Computer Science)
- Entrepreneurial studies (Business and Communication)
- Health insurance adjustors (Business and Nursing)
- Paralegal studies (History and English / Communication)
- ESL instruction for international teaching (English and Education)

Graduate School preparation, such as:

- Art therapy (Art and Psychology)
- ESL instruction for higher education (English and Education)
- Global development (Business and Environmental Biology)
- History consultant (Communication / Film Studies and History)
- Pre-law (History / Political Science and Communication)
- Orthotics and prosthetics (Kinesiology and Biology)

Specific requirements:

1) Students will be assigned an academic advisor by the Records Office. Student and complete a plan for graduation.

2) Students will select two (or more) areas of emphasis, each to include 24 credit hours (9 upper division) to be determined by the sponsoring department(s). Emphasis areas will be identified on the student's transcript and diploma.

3) Bachelor's degrees candidates will meet all University graduation requirements. In addition, all bachelor's degree candidates will complete the Interdisciplinary Studies introductory course, UNIV 220 (2 credit hours), and the Capstone seminar course, UNIV 420 (1 credit hour).

4) BA graduates will meet the University's foreign language requirement, but are not required to declare a minor.

5) After earning a bachelor's degree in Interdisciplinary Studies, a student may return to earn a second bachelor's

degree. An area of emphasis may only be used as a major in the second degree if there are 30 additional hours available in the major.

Total credits: 120

General and Interdisciplinary Studies Course Descriptions

UNIV 220: Introduction to General and Interdisciplinary Studies

This course introduces General and Interdisciplinary Studies students to a broad set of skills and resources that can be utilized in pursuing specific academic and career goals. It also provides the foundation for creating a successful academic plan within the Interdisciplinary Studies program.

Credits: 2

UNIV 420: Capstone Seminar

This course fulfills the requirement for a capstone/ portfolio completion course in the student's area(s) of emphasis.

Credits: 1

Geology

Faculty/Staff

Peter McHenry, Chair.

Adjunct: Art Chadwick

Program

Southwestern Adventist University, in conjunction with Loma Linda University, offers a geology program with major emphasis in sedimentology, stratigraphy and paleontology. The freshman and sophomore years are taken on the campus of Southwestern Adventist University, while the junior and senior years are taken on the campus of Loma Linda University.

Geology Transfer Program

Freshman and sophomore sample schedule for transfer to Loma Linda University.

Freshman Year

This major requires three elective hours.

Item #	Title	Credits
	BIOL 111, BIOL 112	4
	CHEM 111, CHEM 112	8
ENGL 121	Freshman Composition	3
	GEOL 111, GEOL 112	8
MATH 180	Precalculus	4

Summer

Item #	Title	Credits
GEOL 240	The Dinosaurs	4

Sophomore Year

This major requires two elective hours.

Item #	Title	Credits
CHEM 310	Environmental and Geological Chemistry	4
ENGL 220	Research Writing	3
GEOL 220	Mineralogy	4
GEOL 320	Stratigraphy and Sedimentary Petrology and Petrography	4
	PHYS 121, PHYS 122	8
KINA 111	Physical Fitness	1
	Religion Electives for Two Year Program	6
	History Electives for Two Year Program	3
	Total credits:	69

Geology Course Descriptions

GEOL 111: Physical Geology

A study of the earth, its composition, and the forces that control and change it. Laboratory includes recognition of common rocks and minerals and training in use of geologic maps and interpreting the physical processes recorded in the earth's surface. Laboratory includes a four-day field trip.

Credits: 4

Lab Hours: 3

Lecture Hours: 3

Semester Offered: Periodically

GEOL 112: Principles of Historical Geology and Paleontology

A study of the disciplines of historical geology and invertebrate paleontology. Emphasis will be on the tools of historical interpretation. Laboratory will cover the invertebrate and vertebrate fossil groups systematically. May apply toward biology major by petition. Laboratory includes a four-day field trip. Field trip fee.

Credits: 4

Lab Hours: 3

Lecture Hours: 3

Semester Offered: Periodically

GEOL 220: Mineralogy

Introduction to crystallography; crystal optics; structure, composition, properties, stability and geological occurrences of minerals; and mineral identification. Student will be familiar with laboratory techniques for mineral identification, including x-ray, thin-section, and microprobe analyses.

Credits: 4

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

GEOL 112

CHEM 112

Semester Offered: Spring even years

GEOL 240: The Dinosaurs

A field course covering the taxonomic relationships, environment and fossil record of the dinosaurs. Includes extensive training in field methods of vertebrate paleontology and participation in the dinosaur research project. Taught for four weeks in Wyoming. Field fee covering the cost of transportation, room and board.

Credits: 4

Lab Hours: 1

Lecture Hours: 3

Prerequisites:

GEOL 112 or permission of instructor

Semester Offered: Summer

GEOL 298: Individual Study Topics

A study in an area of student interest under the direction of a staff member. This study may involve data collection, or library work and will involve a written report. Content and method of study must be arranged prior to registration. May be repeated for a total of 3 credits.

Credits: 1-3

Prerequisites:

GEOL 111, 112, and approval of instructor

GEOL 320: Stratigraphy and Sedimentary Petrology and Petrography

An introduction to the description, origin, and historical interpretation of stratified rocks.

Credits: 4

Prerequisites:

GEOL 111

GEOL 112

Semester Offered: Periodically

GEOL 330: Summer Field Geology

Stratigraphic and structural mapping of sedimentary and related igneous and metamorphic rocks and analysis of data collected in the field. Taught for four weeks in Wyoming in connection with the Dinosaur course. Field fee covering the cost of transportation, room and board.

Credits: 4

Lab Hours: 1

Lecture Hours: 3

Prerequisites:

GEOL 320

Semester Offered: Summer

GEOL 380: Research Methods

A general introduction to the techniques and methodologies of scientific literature and presentations based upon library and on-line research. Each student will select a specific topic for research, prepare a paper, and make an oral presentation based on that work. The student will learn scientific methodology, basic statistical skills, and critical data analysis.

Credits: 2

Prerequisites:

GEOL 111, 112 or any entry level science sequence

Semester Offered: Fall

GEOL 419: Philosophy of Science

A study of the philosophies and methodologies of science. Includes a review of the history of scientific and religious thought and the role each has played in the development of modern theories of origin. (Also taught as RELT or BIOL 419.)

Credits: 3

Semester Offered: Spring

GEOL 480: Research in Geology

and approval of instructor A supervised research experience involving the development of a research proposal, data collection, and a written paper. Research proposal may be developed in GEOL 380. May be repeated for a total of 5 credits.

Credits: 1-3

Prerequisites:

GEOL 380

and approval of instructor

Semester Offered: Periodically

GEOL 481: Senior Thesis

This course is designed to permit the student to develop a publishable-quality research paper. Instruction consists of writing techniques and guidance in the completion of this project. Students will give several oral progress-reports, a final presentation at the Honors Research Symposium, and a completed Senior Thesis.

Credits: 1

Prerequisites:

GEOL 480

Semester Offered: Spring

GEOL 498: Individual Study Topics

Special study may be pursued beyond completed course work under the direction of a staff member. This study may involve data collection or library work and will involve a written report. Content and method of study must be arranged prior to registration. May be repeated for a total of 3 credits.

Credits: 1-3

Prerequisites:

GEOL 111, 112; two upper division courses, and permission of the instructor

History & Social Science

Faculty/Staff

R. Steven Jones, Chair; Elizabeth Bowser

Adjunct: Randall Butler, Susan Cherne, Karen Kaiser, Chloe Northrop

Mission

The mission of the History/Social Science Department is to help students acquire critical, analytical, and communicative skills through mastery of Social Science courses, taught in a Christian context.

Aims of the Department

The department's offerings in history are designed to help the student to understand the present more fully by guiding him in a study of the past and by helping him to reason from cause to effect. The study of history is approached from the biblical viewpoint. "In the annals of human history the growth of nations, the rise and fall of empires, appear as dependent on the will and prowess of man. The shaping of events seems, to a large degree, to be determined by his power, ambition, or caprice. But in the Word of God the curtain is drawn aside, and we behold, behind, above, and through all the play and counter-play of human interests and power and passions, the agencies of the all-merciful One, silently, patiently working out the counsel of His own will." E. G. White, EDUCATION, p. 173.

In political science, the student traces the development, functions, and operation of national, local, and foreign governments.

B.A. History

Students will also complete and present a senior thesis.

Required Courses

Item #	Title	Credits
HIST 111	United States History to 1865	3
HIST 112	United States History from 1865	3
HIST 201	Historical Methods: Research and Historiography	3
HIST 225	World Civilizations I	3
HIST 226	World Civilizations II	3
HIST 475	Portfolio Development	1
	HIST Electives	21

Required cognates:

Item #	Title	Credits
	Political Science Elective For History Major	3
	Total credits:	40

B.A. History, International Relations, and Public Policy

Students will also complete and present a senior thesis.

Required Courses

Item #	Title	Credits
HIST 112	United States History from 1865	3
HIST 201	Historical Methods: Research and Historiography	3
HIST 226	World Civilizations II	3
HIST 242	Historical and Political Geography	3
HIST 320	American International Relations	3
HIST 425	Executive Leadership	3
	Topical Histories	6

Political Science

Item #	Title	Credits
POLS 211	National and Texas Constitutions	3
POLS 220	Introduction to Public Policy	3

Internship

Item #	Title	Credits
	HIST 492 or POLS 492	3

Portfolio

Item #	Title	Credits
HIST 475	Portfolio Development	1

Required Cognates

Item #	Title	Credits
ECON 211	Macroeconomics	3
	BUAD 211 or BUAD 453	3
	BUAD 460 or COMM 431	3
SOCI 111	Introduction to Sociology	3
	Total credits:	46

B.A. History - Secondary Teaching Area

Required Courses

The following history major is for teaching certification only. Requirements for certification are listed in the Education section of the *Bulletin*. You must make formal application for admittance to the Teacher Education Program. Applications are available at the Education Department office.

Students will also complete a senior portfolio which includes a thesis paper.

Item #	Title	Credits
HIST 111	United States History to 1865	3
HIST 112	United States History from 1865	3
HIST 201	Historical Methods: Research and Historiography	3
HIST 225	World Civilizations I	3
HIST 226	World Civilizations II	3
HIST 475	Portfolio Development	1
	HIST Electives	21

POLS Elective

Item #	Title	Credits
	Political Science Elective For History Major	3
	Total credits:	40

B. S. Criminal Justice

Item #	Title	Credits
CRIJ 101	Introduction to Criminal Justice	3
CRIJ 116	Juvenile Delinquency	3
CRIJ 120	Crime in America	3
CRIJ 130	Fundamentals of Criminal Law	3
CRIJ 220	Community Policing	3
CRIJ 231	Community Corrections	3
CRIJ 310	Legal Aspects of Law Enforcement	3
CRIJ 311	Criminal Investigations	3
CRIJ 325	Criminology	3
CRIJ 430	Ethics in Criminal Justice	3
CRIJ 434	Criminal Justice Administration and Management	3
HIST 338	History of Terrorism in the United States	3
HIST 425	Executive Leadership	3
POLS 110	Court Systems and Practices	3
POLS 211	National and Texas Constitutions	3
POLS 364	American Constitutional Development	3

Required Cognates

Item #	Title	Credits
PSYC 212	General Psychology	3
SOCI 111	Introduction to Sociology	3
	Total credits:	54

B.S. Pre-Law

Students will also complete a senior portfolio which includes a thesis paper.

Required Courses

Item #	Title	Credits
COMM 233	Interpersonal Communication	3
ENGL 335	Essay and Opinion Writing	3
HIST 111	United States History to 1865	3
HIST 112	United States History from 1865	3
HIST 201	Historical Methods: Research and Historiography	3
HIST 225	World Civilizations I	3
HIST 226	World Civilizations II	3
HIST 475	Portfolio Development	1
POLS 211	National and Texas Constitutions	3

Economics Electives

(Choose one, 3 hours)

Item #	Title	Credits
	ECON 211 or ECON 212	3

English

(Choose one, 3 hours)

Item #	Title	Credits
ENGL 333	Narrative Writing	3
ENGL 342	Composition Theory and Practice	3
ENGL 414	History of the English Language	3
ENGL 458	Literary Analysis	3
ENGL 464	Advanced Grammar	3

History

(Choose two, 6 hours)

Item #	Title	Credits
POLS 120	Crime in America	3
HIST 315	Political Thought	3
HIST 335	Establishing a Nation, 1783-1836	3
HIST 338	History of Terrorism in the United States	3
HIST 365	Global Power: America from 1917 to Present	3
HIST 425	Executive Leadership	3

POLS/CJ

(Choose two, 6 hours)

Item #	Title	Credits
CRIJ 101	Introduction to Criminal Justice	3
CRIJ 120	Crime in America	3
POLS 110	Court Systems and Practices	3
POLS 220	Introduction to Public Policy	3
POLS 364	American Constitutional Development	3

PSYC/SOC

(Choose one, 3 hours)

Item #	Title	Credits
PSYC 212	General Psychology	3
SOCI 111	Introduction to Sociology	3

Ethics

(Choose one, 3 hours)

Item #	Title	Credits
BUAD 460	Ethics and Business Social Responsibility	3
COMM 431	Media Law and Ethics	3
CRIJ 430	Ethics in Criminal Justice	3

Logic - Cognate

(Choose one, 3 hours)

Item #	Title	Credits
PHYS 121	General Physics I	4
MATH 141	Introduction to Probability and Statistics	3
Total credits:		52

B.S. Social Science

Students will also complete a senior portfolio which includes a thesis paper.

Required Courses

Item #	Title	Credits
ECON 211	Macroeconomics	3
HIST 111	United States History to 1865	3
HIST 112	United States History from 1865	3
HIST 201	Historical Methods: Research and Historiography	3
HIST 225	World Civilizations I	3
HIST 226	World Civilizations II	3
HIST 242	Historical and Political Geography	3
HIST 475	Portfolio Development	1
HIST Social Science Electives		18
POLs Electives		6
SOCS Electives		3
Total credits:		49

B.S. Social Studies - Secondary Teaching Area

The following social studies major is for teaching certification only. Requirements for certification are listed in the Education section of the *Bulletin*. You must make formal application for admittance to the Teacher Education Program. Applications are available at the Education Department office.

Students will also complete and present a senior thesis.

Required Courses

Item #	Title	Credits
HIST 111	United States History to 1865	3
HIST 112	United States History from 1865	3
HIST 201	Historical Methods: Research and Historiography	3
HIST 225	World Civilizations I	3
HIST 226	World Civilizations II	3
HIST 242	Historical and Political Geography	3
HIST 475	Portfolio Development	1
Non U.S. History for Social Studies Major		9
History Electives for SS Secondary Teaching Major		9
POLs Electives		6
Economics Electives 6 Hours		6
Total credits:		49

Minor in Criminal Justice

All criminal justice minors are required to take 18 semester hours of criminal justice (9 hours u.d.) which must include CRIJ 325.

Total credits: 18

Minor in History

Required Courses

Item #	Title	Credits
HIST 111	United States History to 1865	3
HIST 112	United States History from 1865	3
	HIST 225 or HIST 226	3
	History Minor Upper Division Electives	9
	Total credits:	18

Minor in History - Secondary Teaching Area

The following history minor is for teaching certification only. Requirements for certification are listed in the Education section of the *Bulletin*. You must make formal application for admittance to the Teacher Education Program. Applications are available at the Education Department office.

Required Courses

Item #	Title	Credits
HIST 111	United States History to 1865	3
HIST 112	United States History from 1865	3
HIST 225	World Civilizations I	3
HIST 226	World Civilizations II	3
	History Secondary Teaching minor electives	12
	Total credits:	24

Minor in Political Science

Required Courses

Item #	Title	Credits
POLS 211	National and Texas Constitutions	3
	Political Science Elective For Minor	15
	Total credits:	18

Minor in Pre-Law

Eighteen hours in history, English, political science, criminal justice (nine hours upper-division).

Total credits: 18

Minor in Social Science

Required Courses

Item #	Title	Credits
HIST 112	United States History from 1865	3
HIST 226	World Civilizations II	3
HIST 242	Historical and Political Geography	3
	Political Science Elective For SS Minor	6
	Economics Electives 6 Hours	6
	History Electives for SS Minor	3
	Total credits:	24

History & Social Science Course Descriptions

CRIJ 101: Introduction to Criminal Justice

An overview of the historical and organizational development of police systems. Emphasis is placed on the function and organizational structure of law enforcement agencies and how these agencies interface with other components of the criminal justice system.

Credits: 3

CRIJ 110: Court Systems and Practices

The judiciary in the criminal justice system; structure of the American court system; prosecution; right to counsel; pre-trial release; grand juries; adjudication process; types and rules of evidence; sentencing.

Credits: 3

CRIJ 116: Juvenile Delinquency

Juvenile delinquency has deep historical roots in social structures. This course focuses on prevention strategies, causes, and responses to juvenile delinquency or deviance. The nature and extent of delinquency is at the core of this course.

Credits: 3

CRIJ 120: Crime in America

This course examines the history of crime in America and police efforts to deal with it. Course will pay special attention to 19th Century policing developments in England and their affect on American policing; progressive-era policing reforms; professionalization; constitutional cases; and contemporary trends.

Credits: 3

CRIJ 130: Fundamentals of Criminal Law

A study of the nature of criminal law; philosophical and historical development; major definitions and concepts; classification of crimes, elements of crimes and penalties using Texas statutes as illustrations; criminal responsibility. Also taught as **POLS 130**.

Credits: 3

CRIJ 220: Community Policing

Community policing is contemporary movement to better engage the police with the community they serve. There is no one single method of engagement, rather, a variety of initiatives that are community specific. The goal to community policing is to build bridges between the police and the people they serve.

Credits: 3

CRIJ 231: Community Corrections

An overview of the community corrections movement as an alternative to institutional corrections. There are numerous alternative programs to incarceration and this course will explore these alternatives and consider their value in applying justice.

Credits: 3

CRIJ 310: Legal Aspects of Law Enforcement

Police authority; responsibilities; constitutional constraints; laws of arrest, search, and seizure; police liability.

Credits: 3

CRIJ 311: Criminal Investigations

An overview of the collection and documentation of evidence. Criminal investigators and peace officers share a responsibility to secure crime scenes, collect evidence and protect the chain of custody, and report findings in a timely manner. This course focuses on the policies and procedures associated with criminal investigations.

Credits: 3

CRIJ 325: Criminology

An overview of the major causal theories of criminal behavior and examination of the social, political, economic, and intellectual milieu within which each arose. Beginning with early 18th century theories, the course focuses on the sociological constructs of criminality.

Credits: 3

Prerequisites:

SOCI 111

or permission of instructor.

CRIJ 430: Ethics in Criminal Justice

This course examines ethical issues in crime and justice. Students will discuss such issues as discretion, corruption, use of force, racism, deception, professionalism, and the nature and meaning of justice.

Credits: 3

CRIJ 434: Criminal Justice Administration and Management

The administration and management of law enforcement organizations is complex and involves both organizational structure and personnel behavior. This class focuses on the theory of organizations, management of personnel, occupational stress, motivation theory, principles of leadership, and the process of managing and promoting change in a highly structured environment.

Credits: 3

HIST 111: United States History to 1865

A brief account of the discoveries, colonization, and the struggle for independence; growth of federal government, expansion of territory, and the Civil War.

Credits: 3

Semester Offered: Fall

HIST 112: United States History from 1865

A survey of U.S. history beginning with Reconstruction and big business, through two major world wars, to the present time of cold and hot wars.

Credits: 3

Semester Offered: Spring

HIST 120 : Crime in America

This course examines the history of crime in America and police efforts to deal with it. Course will pay special attention to 19th Century policing developments in England and their affect on American policing; progressive-era policing reforms; professionalization; constitutional cases; and contemporary trends.

Credits: 3

HIST 201: Historical Methods: Research and Historiography

An introduction to the skills used in the profession of history. Students will use primary and secondary sources as well as historical journals, indexes, and databases as they produce a major research paper, bibliography, and book review; prepare a presentation based on their work; and engage in other activities relative to critical thinking within the discipline of history. Students will also be exposed to basic trends in historiography. Within this class, history/social science majors begin the process of senior portfolio development.

Credits: 3

Prerequisites:

ENGL 121

Semester Offered: Spring

HIST 204: Advanced American History, 1866-Present

This course provides a detailed study of American history from Reconstruction to the present, charting the United States' rise from a frontier nation to a world power. This course covers the turbulent days of post-Civil War Reconstruction and the settlement of the west, booming industrialism, Populism and Progressivism, the United States in World Wars I & II, the Cold War, and the distrust of the post-Watergate era. Students will become acquainted with trends in American historiography and practice the skills of historical interpretation and writing. The class satisfies general education requirements for history. It is required for history/social science majors. Students taking this course should not take **HIST 112 United States History from 1865**.

Credits: 3

Semester Offered: Spring

HIST 208: Advanced World Civilizations, early times to the 16th Century

This course is an introductory survey of world history from prehistory to 1400. Through reading, lectures, discussion, and writing you will gain an elementary understanding of the sub-discipline of world history and the major places, civilizations, events, personalities, and issues of modern world history. This course will also display how history can inform our understanding of contemporary events.

Credits: 3

Semester Offered: Fall

HIST 221: History of Western Art

A survey of fine arts and how they have related to the various cultures throughout western civilization. The class will deal with the arts from the Renaissance to the present time. (Also taught as **ARTS 221**)

Credits: 3

Semester Offered: Spring

HIST 225: World Civilizations I

This course is an introductory survey of world history from prehistory to 1400. Through reading, lectures, discussion, and writing you will gain an elementary understanding of the sub-discipline of world history and the major places, civilizations, events, personalities, and issues of modern world history. This course will also display how history can inform our understanding of contemporary events. (Also taught as **HNRS 208**)

Credits: 3

Semester Offered: Fall

HIST 226: World Civilizations II

This course is an introductory survey of world history from 1400 to present. Through reading, lectures, discussion, and writing you will gain an elementary understanding of the sub-discipline of world history and the major places, civilizations, events, personalities, and issues of modern world history. This course will also display how history can inform our understanding of contemporary events.

Credits: 3

Semester Offered: Spring

HIST 242: Historical and Political Geography

This course considers the interaction between world cultures, environments, and geographic regions to explain patterns of human history and political development.

Credits: 3

Semester Offered: Spring

HIST 298: Individual Study Topics

Designed for the student who wishes to do independent study or research. Content and method of study must be arranged prior to registration. May be repeated for a total of 3 credits.

Credits: 1-3

Prerequisites:

Approval of department chair

HIST 299: Directed Group Study Topics

Provides academic departments an opportunity to offer courses in specialized or experimental areas, either lower or upper-division, not listed in the undergraduate *Bulletin*. May be repeated for a total of 3 credits.

Credits: 1-3

Prerequisites:

Approval by department chair

HIST 315: Political Thought

History of Political Thought is a study of political thinking and key political philosophers in history, particularly those that have most profoundly influenced the political culture and institutions of our own continent. It is an introductory survey of political ideas, addressing perennial issues of human society, leadership, power, rights, and government.

Also taught as **POLS 315** and **HNRS 315**.

Credits: 3

HIST 320: American International Relations

Details American foreign policies and diplomatic relations toward Europe, Latin America, and Asia, from the revolutionary era to the present. Will detail major foreign policy decisions and initiatives and the results of each. (Also taught as **POLS 320**)

Credits: 3

Semester Offered: Fall, odd years

HIST 326: From Colony to Nation, 1607-1783

A study of the creation of the American nation. The course examines how transplanted Europeans became a new people, emphasizing social, political, and economic changes that led to independence. Includes a discussion of the impact of African slavery upon American democracy.

Credits: 3

Semester Offered: Periodically

HIST 331: History of Christianity I

A study of the rise and impact of Christianity in the Roman world and western culture. Attention is given to theological and social movements, the influence of Islam, the crusades, expansionism, and religious adaptation to modern life. The second semester traces development from the Reformation through the growth of American religion. (Also taught as RELH 331, 332)

Credits: 3

Semester Offered: Fall

HIST 332: History of Christianity II

A study of the rise and impact of Christianity in the Roman world and western culture. Attention is given to theological and social movements, the influence of Islam, the crusades, expansionism, and religious adaptation to modern life. The second semester traces development from the Reformation through the growth of American religion. (Also taught as RELH 331, 332)

Credits: 3

Semester Offered: Spring

HIST 335: Establishing a Nation, 1783-1836

An in-depth study of United States history from the Articles of Confederation through the Constitution, War of 1812, and Jacksonian Democracy.

Credits: 3

Semester Offered: Periodically

HIST 338: History of Terrorism in the United States

This course examines the modern history of terrorism in America and responses by local, state, and federal agencies.

Credits: 3

HIST 345: Sectionalism and Civil War, 1836-1865

American history from the Reform Era through Manifest Destiny, Sectionalism and Civil War.

Credits: 3

Semester Offered: Fall, even years

HIST 355: Reconstruction and Reunion, 1865-1917

American history from the close of the Civil War to the US entry into World War I. Among the topics examined in this course are Reconstruction and the New South, industrialization, the "winning of the West," immigration, and America's changing world role.

Credits: 3

Semester Offered: Periodically

HIST 360: History of the British Isles

A study Britain from pre-Roman times through the restoration of the monarchy under William and Mary in 1688. Topics include Anglo-Saxon England, the Norman Conquest, the Wars of the Roses, the Tudor and Stuart dynasties, and the English Civil War.

Credits: 3

Semester Offered: Periodically

HIST 364: Ancient Cultures

This is a study of man from his beginning through the empires of Assyria, Babylon, Egypt, Persia, Israel, Greece, and Rome to the end of the Roman Republic.

Credits: 3

Semester Offered: Fall, even years

HIST 365: Global Power: America from 1917 to Present

A study of the American rise to global power. Class will focus on WWII, the Cold War, Era of Civil Rights, Vietnam, Watergate, and the post-Cold War era.

Credits: 3

Semester Offered: Spring even years

HIST 370: East Asian History

A survey of the history of East Asia, primarily China, Korea, and Japan, from its foundations until modern times.

Topics will include China's enduring influence over its neighbors, interactions with and isolation from the West, the emergence and growth of Buddhism, the influence of Confucian philosophy, Chinese and Japanese imperialism, Western imperialism in East Asia, and Nationalism and Communism.

Credits: 3

Semester Offered: Periodically

HIST 414: Early Modern Europe

A survey of the Renaissance, Reformation, counter-Reformation, Absolutism, competition for empire, the Scientific Revolution, the Enlightenment, and the coming of Revolutions.

Credits: 3

Semester Offered: Fall, odd years

HIST 415: Texas and the West

A study of the multi-cultural heritage of Texas and the West with special emphasis on the pre-Columbian Native American cultures; Spanish, Mexican, and Anglo-American colonization; the annexation of the region to the US; and social, political, and industrial developments up to the present.

Credits: 3

Semester Offered: Periodically

HIST 424: Modern Europe

A study of the Intellectual and Industrial Revolution, the New Imperialism, the intensification of Nationalism, World War I, the Depression, the development and spread of Fascism and Communism, World War II, the Cold War, Decolonization and the emergence of a multipolar world.

Credits: 3

Semester Offered: Spring even years

HIST 425: Executive Leadership

A study of leadership styles and their impact on politics and history. Examines the elements of leadership by focusing on different figures from the political, military, and corporate arenas, such as Ulysses S. Grant, Andrew Carnegie, Alexander the Great, and Winston Churchill. Students will be able to take information gained from this class and apply it to a variety of life situations. (Also taught as **POLS 425**)

Credits: 3

Semester Offered: Periodically

HIST 430: Medieval Europe

A study of European history during the middle ages, approximately 500-1500 A.D. Course topics include feudalism, monasticism, the growth of monarchies, the Crusades, heresy and inquisition, the commercial revolution, the Hundred Years' War, the Bubonic Plague, and the advent of the university.

Credits: 3

Semester Offered: Spring even years

HIST 475: Portfolio Development

In this class, departmental majors will meet at arranged times with departmental faculty to finalize the contents of their portfolio before graduation. Students will also complete their senior thesis in this course. This class is required of majors in History, Social Science, Social Science (emphasis International Relations), and Social Studies, Secondary Education. Students should take the class in their last semester before graduation; however, they may take it both semesters of their senior year upon advisor recommendation.

Credits: 1

Semester Offered: Fall

Spring

HIST 492: History/Social Science Internship

Students in the History, International Relations, and Public Policy major will take three hours of internship work. This may be three hours at one internship agency, or divided among different agencies in one-hour increments. Students will meet with departmental faculty and agency representatives to agree on an internship contract before beginning the course. The internship(s) will enable students to work directly in an area of their interest, give them experience vital in job searches, and give them an advantage when seeking graduate education. Eligible for IP grading.

Credits: 1-3

HIST 498: Individual Study Topics

Designed for the student who wishes to do independent study or research. Content and method of study must be arranged prior to registration. May be repeated for a total of 3 credits.

Credits: 1-3

Prerequisites:

Approval of department chair

HIST 499: Directed Group Study Topics

Provides academic departments an opportunity to offer courses in specialized or experimental areas, either lower or upper division, not listed in the undergraduate *Bulletin*. Student may be allowed to repeat the course for credit.

Credits: 1-3

Prerequisites:

Approval by department chair

POLS 110: Court Systems and Practices

The judiciary in the criminal justice system; structure of the American court system; prosecution; right to counsel; pre-trial release; grand juries; adjudication process; types and rules of evidence; sentencing.

Credits: 3

POLS 120: Crime in America

This course examines the history of crime in America and police efforts to deal with it. Course will pay special attention to 19th Century policing developments in England and their affect on American policing; progressive-era policing reforms; professionalization; constitutional cases; and contemporary trends. Also taught as **CRIJ 120** and **HIST 120**.

Credits: 3

POLS 130: Fundamentals of Criminal Law

A study of the nature of criminal law; philosophical and historical development; major definitions and concepts; classification of crimes, elements of crimes and penalties using Texas statutes as illustrations; criminal responsibility. Also taught as **CRIJ 130**.

Credits: 3

POLS 211: National and Texas Constitutions

This is a comprehensive treatment of U.S. and Texas Constitutions. The course deals with the formation of these constitutions and the governments which were established as a result. This course fulfills the government requirements as established by the Texas Education Agency.

Credits: 3

Semester Offered: Fall

POLS 220: Introduction to Public Policy

An introduction to the history and implementation of American public policies. The course will examine the historical context of key public policies, their creation and implementation, and their success or failure. The course will also explore the various constituencies and agencies involved in the formation of public policy. The course will focus largely on federal policies, but delve into state and local policy formation as well.

Credits: 3

POLS 298: Individual Study Topics

Designed for the student who wishes to do independent study research. Content and method of study must be arranged prior to registration. May be repeated for a total of 3 credits.

Credits: 1-3

Prerequisites:

Approval of department chair

POLS 299: Directed Group Study Topics

Provides academic departments an opportunity to offer courses in specialized or experimental areas, either lower or upper division, not listed in the undergraduate *Bulletin*. May be repeated for a total of 3 credits.

Credits: 1-3

Prerequisites:

Approval by department chair

POLS 315: Political Thought

History of Political Thought is a study of political thinking and key political philosophers in history, particularly those that have most profoundly influenced the political culture and institutions of our own continent. It is an introductory survey of political ideas, addressing perennial issues of human society, leadership, power, rights, and government.

Also taught as **HIST 315** and **HNRS 315**.

Credits: 3

POLS 320: American International Relations

Details American foreign policies and diplomatic relations toward Europe, Latin America, and Asia, from the revolutionary era to the present. Will detail major foreign policy decisions and initiatives and the results of each. (Also taught as HIST 320.)

Credits: 3

Semester Offered: Fall, odd years

POLS 360: American National Government

The organization, functions, and processes of America's national government, with particular attention to constitutional framework, the judiciary, Congress, the presidency, political parties, interest groups, and the individuals as citizen.

Credits: 3

Semester Offered: Periodically

POLS 364: American Constitutional Development

An historical and institutional study of the origin, growth, and interpretation of the United States Constitution, with emphasis on the leading decisions of the Supreme Court.

Credits: 3

Semester Offered: Periodically

POLS 425: Executive Leadership

A study of leadership styles and their impact on politics and history. Examines the elements of leadership by focusing on different figures from the political, military, and corporate arenas, such as Ulysses S. Grant, Andrew Carnegie, Alexander the Great, and Winston Churchill. Students will be able to take information gained from this class and apply it to a variety of life situations. (Also taught as HIST 425.)

Credits: 3

Semester Offered: Periodically

POLS 492: Political Science Internship

Students in the History, International Relations, and Public Policy major will take three hours of internship work. This may be three hours at one internship agency, or divided among different agencies in one-hour increments.

Students will meet with departmental faculty and agency representatives to agree on an internship contract before beginning the course. The internship(s) will enable students to work directly in an area of their interest, give them experience vital in job searches, and give them an advantage when seeking graduate education. Eligible for IP grading.

Credits: 1-3

POLS 498: Individual Study Topics

Designed for the student who wishes to do independent study research. Content and method of study must be arranged prior to registration. May be repeated for a total of 3 credits.

Credits: 1-3

POLS 499: Directed Group Study Topics

Provides academic departments an opportunity to offer courses in specialized or experimental areas, either lower or upper division, not listed in the undergraduate *Bulletin*. Student may be allowed to repeat the course for credit.

Credits: 1-3

Prerequisites:

Approval by department chair

SOCI 111: Introduction to Sociology

A general survey of sociology and many of the areas of investigation in sociology; these areas will include the family, race and ethnic relations, social class, formal organizations, collective behavior, population problems and dynamics, culture, etc. Additionally, a brief introduction to the scientific methods and theories utilized in the study of society will be presented.

Credits: 3

Semester Offered: Spring

Honors Program

Faculty/Staff

Kristin Denslow, Director

Aims of the Program

The mission of Southwestern Adventist University's Honors Program is to enrich educational opportunities for high-achieving students and to increase cultural appreciation.

Admission and Retention

Entering freshmen with a cumulative high school GPA of at least 3.5 or an SAT composite score (critical reading and math) of at least 1130 (or a minimum ACT composite score of at least 24) are invited to apply for admission to the Honors Program. Currently enrolled SWAU students and transfer students with a cumulative GPA of at least 3.4 may apply for admission to the Honors Program. Upon acceptance into the Honors Program a student will be designated an Honors Student. In order to remain in the Honors Program as an Honors Student, a student must maintain an overall GPA of at least 3.4.

Requirements and Procedures

In order to earn the designation Honors Graduate upon completing a bachelor's degree, an Honors Student must fulfill the following requirements:

- File an application form with the Honors Director.
- Complete HNRS 200 in the freshman or sophomore year.
- Complete 9 hours from the following: HNRS 104, HNRS 204 or 208, HNRS 275, HNRS 345, HNRS 375, HNRS 404.
- Complete HNRS 301 in the junior year.
- Complete HNRS 400 and HNRS 401 in the senior year.
- The Honors Committee will vote the student an Honors Graduate upon satisfactory completion of all requirements.

Honors Program

Requirements and Procedures

In order to earn the designation Honors Graduate upon completing a bachelor's degree, an Honors Student must fulfill the following requirements:

- File an application form with the Honors Director.
- Complete HNRS 200 in the freshman or sophomore year.
- Complete 9 hours from the following: HNRS 104, HNRS 204 or 208, HNRS 275, HNRS 345, HNRS 375, HNRS 404.
- Complete HNRS 300 in the junior year.
- Complete HNRS 400 and HNRS 401 in the senior year.
- The Honors Committee will vote the student an Honors Graduate upon satisfactory completion of all requirements.

Freshman or Sophomore Year

Item #	Title	Credits
HNRS 200	The Honors Perspective	3

Complete 9 hours from the following:

Item #	Title	Credits
HNRS 104	Human Communication	3
HNRS 275	Honors Study Tour	1-3
	HNRS 204 or HNRS 208	3
HNRS 345	Honors Environmental Studies	3
HNRS 375	Honors Study Tour - International	1-3
HNRS 404	Science and Belief	3

Complete in Junior Year

Item #	Title	Credits
HNRS 300	Junior Seminar	3

Complete in Senior Year

Item #	Title	Credits
HNRS 400	Senior Seminar	2
HNRS 401	Senior Seminar	2
	Total credits:	19

Honors Program Course Descriptions

HNRS 104: Human Communication

This course acquaints students with skills and practices relating to human communication in a variety of contexts, including interpersonal relationships, mediated communication, small group interactions, and public presentations. Instructional strategies used in the course include lecture, discussions, group activities, and oral presentations. This course fulfills the Communication Competency requirement as specified in the [Core Curriculum](#). Students taking this course should not take [COMM 111 Speech](#).

Credits: 3

Semester Offered: Spring

HNRS 200: The Honors Perspective

An introduction to the Southwestern Honors Program. The course will examine the role of knowledge, faith, and service in the life of the educated Christian. The course will include a service project. Required in the freshman or sophomore year for all Southwestern Honors students.

Credits: 3

Semester Offered: Fall

HNRS 204: Advanced United States History from 1865

This course provides a detailed study of American history from Reconstruction to the present, charting the United States' rise from a frontier nation to a world power. The course covers the turbulent days of post-Civil War Reconstruction and the settlement of the west, booming industrialism, Populism and Progressivism, the United States in World Wars I & II, the Cold War, and the distrust of the post-Watergate era. Students will become acquainted with trends in American historiography and practice the skills of historical interpretation and writing. This course partially satisfies general education requirements for history. Students taking this course should not take [HIST 112, United States History from 1865](#).

Credits: 3

Semester Offered: Spring

HNRS 208: Advanced World Civilizations, early times to the 16th Century

A study of key issues, events, and transformations that form the basis for pre-modern world civilizations and established the foundations for early modern and modern world history, including the Agricultural Revolution, the development of Hebrew monotheism, classical Greek social ideas, ancient China and India, the rise and fall of the Roman empire, early empires in the Americas, and medieval Europe. This course partially satisfies general education requirements for history. Students taking this course should not take [HIST 225, World Civilizations I](#).

Credits: 3

Semester Offered: Fall

HNRS 275: Honors Study Tour

A course emphasizing a particular topic approached through travel and on-site visits to historical, cultural, and artistic locations associated with the specified topic. Topics may vary. Depending on the topic, the class may be applied to a specific general education requirement, or, if applicable, to a specific academic department requirement. The student may take a combination of HNRS 275 and/or 375 for up to a total of 6 hours if the topics vary.

Credits: 1-3

Prerequisites:

Permission of the Honors Committee

Semester Offered: Spring

Summer

HNRS 298: Individual Study Topics

Designed for the student who wishes to do independent study or research or for the teaching of a course not routinely offered. Content and method of study must be arranged prior to registration. May be repeated for a total of 3 credits.

Credits: 1-3

Prerequisites:

Approval by the Honors Program Director

HNRS 299: Directed Group Study Topics

Provides academic departments an opportunity to offer courses in specialized or experimental areas, either lower or upper division, not listed in the undergraduate *Bulletin*. May be repeated for a total of 3 credits.

Credits: 1-3

Prerequisites:

Approval by the Honors Program Director

HNRS 301: Thesis Proposal Seminar

In this course, the honors student will prepare the honors thesis proposal and an annotated bibliography. Discussion will focus on research methods and professional development.

Credits: 2

Prerequisites:

[HNRS 200](#)

Semester Offered: Spring

HNRS 315: Political Thought

History of Political Thought is a study of political thinking and key political philosophers in history, particularly those that have most profoundly influenced the political culture and institutions of our own continent. It is an introductory survey of political ideas, addressing perennial issues of human society, leadership, power, rights, and government.

Also taught as [HIST 315](#) and [POLS 315](#).

Credits: 3

HNRS 325: World Religions

The course explores major world views and religious traditions, beliefs, and practices. Each religion will be examined with regard to basic human problems along with proposed solutions. From a Christian perspective, this class seeks to discover common ground and challenges between these major world religions and to encourage respect for diverse beliefs and practices. This course requires research and writing a major paper (Also taught as **RELT 325**). This course partially satisfies general education requirements for religion.

Credits: 3

Semester Offered: Fall

HNRS 345: Honors Environmental Studies

Environmental science is a discipline that encompasses learning in the sciences, and touches on human development, governance and policy, and ethics. This course will provide the student with the tools to think critically about the environment and how human decisions and activities influence the quality of our lives and the other creatures we share the earth with. We will engage in lecture, discussion, debate and group projects concerning the impact of environmental problems, such as waste management, climate change, water issues, biodiversity, air pollution, human population, and resource use by society. We will also focus on local problems concerning our environment. This course is designed to meet the General Education Life Science requirement (Also taught as **BIOL 345**).

Credits: 3

Lab Hours: 3

Lecture Hours: 3

Semester Offered: Spring

HNRS 355: Survey of Christian Worship

A survey of the general history and development of the Christian liturgy, with a special focus on the unique development of the Adventist liturgy. The course will examine the roles that music, art, theology, and culture play in Christian worship. The course will include recordings, visuals, lectures, and field trips (Also taught as **MUHL 355** and **RELT 355**). This course satisfies the general education requirement for fine arts or partially satisfies general education requirements for religion.

Credits: 3

Semester Offered: Fall

HNRS 375: Honors Study Tour - International

A course emphasizing a particular topic approached through travel and on-site visits to historical, cultural, and artistic locations outside of North America associated with the specified topic. In addition, the student will submit a research project as directed by the instructor. Topics may vary. Depending on the topic, the class may be applied to a specific general education requirement, or, if applicable, to a specific academic department requirement. The student may take a combination of HNRS 375 for up to a total of 6 hours if the topics vary.

Credits: 1-3

Prerequisites:

Permission of the Honors Committee

Semester Offered: Spring

HNRS 376: Honors Study Tour - Domestic

A course emphasizing a particular topic approached through travel and on-site visits to historical, cultural, and artistic locations in North America associated with the specified topic. In addition, the student will submit a research project as directed by the instructor. Topics may vary. Depending on the topic, the class may be applied to a specific general education requirement, or, if applicable, to a specified department requirement. The student may repeat HNRS 376 for a total of 6 hours if the topics vary.

Credits: 1-3

Semester Offered: Spring

HNRS 400: Senior Seminar

Through directed readings and scholarship, the honors student begins the honors thesis.

Credits: 2

Semester Offered: Fall

HNRS 401: Senior Seminar

The Honors student completes the research and writing of the honors thesis under the direction of the honors director and an academic department faculty mentor. Coursework includes a major seminar presentation.

Credits: 2

Semester Offered: Spring

HNRS 404: Science and Belief

A study of the philosophies and methodologies of science. The course includes a review of the history of scientific and religious thought, with particular attention given to the role each has played in the development of modern theories of origin. This class satisfies the general education requirement for an upper-division religion class (Also taught as **BIOL**, **GEOL** or **RELT 419**). This course partially satisfies the general education requirement for religion for non-biology majors. Biology majors may take this course to satisfy their major requirements as well as their Honors requirements.

Credits: 3

Semester Offered: Spring

HNRS 498: Individual Study Topics

Designed for the student who wishes to do independent study or research or for the teaching of a course not routinely offered. Content and method of study must be arranged prior to registration. May be repeated for a total of 3 credits.

Credits: 1-3

Prerequisites:

Approval by the Honors Program Director

HNRS 499: Directed Group Study Topics

Provides academic departments an opportunity to offer courses in specialized or experimental areas, either lower or upper division, not listed in the undergraduate *Bulletin*. Student may be allowed to repeat the course for credit.

Credits: 1-3

Prerequisites:

Approval by the Honors Program Director

Kinesiology

Faculty/Staff

Paulino Santos Andino, Chair; Chad Hutchinson, Vesa Naukkarinen

Adjunct: Michael England, Embedzayi Madhiri, Kim Vanhoose

Aims of the Department

The Department of Kinesiology provides classes and support for Exercise Science, Health and Fitness, Sports and Fitness Management, Physical Education and Fire Science majors as well as minors in Physical Education, Health and Fitness, and Coaching. Classes to support the general studies students in fitness, wellness, and physical education are also provided. In the basic fitness and wellness classes, students are guided through a personal fitness program and encouraged to adopt a proactive wellness lifestyle, consistent with SDA teachings. Infrastructure to the University is provided by the operation of a fitness/recreation center that is available to all students and faculty.

Students may elect courses that prepare them for careers as elementary or secondary physical education teachers. A major in Physical Education will also prepare the student for a career in the public or private sector of recreation. Exercise Science is an excellent pre-professional course of study for exercise physiology, physical therapy or other areas of medicine. A major in Health and Fitness prepares the student to become a certified personal trainer and find a career in the hospital, corporate or private fitness industry. Sports and Fitness Management major is for students interested in running a health club or managing a sports team. All of the majors prepare students to enter graduate school.

Teaching Certification Program

You must make formal application for admittance to the Teacher Education Program. Applications are available at the Education Department office.

Physical Education, BS - All Level K-12 Teaching Certification Option IV (See Education section of *Bulletin*.) The student must meet the requirements for a B.S. degree in Physical Education.

A.S. Health and Fitness

Required Courses

Item #	Title	Credits
	KINA 112 or KINA 212	1
	KINA 115 or KINA 215	1
KINA 116	Fitness Walking	1
	KINA 233 or KINA 234	1
KINT 110	Fundamentals of Kinesiology	3
KINT 216	Nutrition	3
KINT 241	Care and Prevention of Athletic Injuries	3
KINT 252	ACSM Certified Personal Trainer	3
KINT 260	First Aid, CPR, and First Responder Training	2
KINT 280	Internship	3-6

Required Cognate:

Item #	Title	Credits
BIOL 101	Anatomy & Physiology I	4
Total credits:		25

B.S. Exercise Science

Kinesiology Core Curriculum

Item #	Title	Credits
KINT 110	Fundamentals of Kinesiology	3
KINT 201	Introduction to Kinesiology Research	1
KINT 241	Care and Prevention of Athletic Injuries	3
KINT 310	Motor Learning	3
KINT 321	Exercise Physiology	3
KINT 331	Biomechanics	3
KINT 490	Senior Seminar (Capstone/Portfolio)	1

Required Courses

Item #	Title	Credits
KINA 115	Resistance Training	1
KINA 215	Advanced Resistance Training	1
KINT 216	Nutrition	3
KINT 252	ACSM Certified Personal Trainer	3
KINT 260	First Aid, CPR, and First Responder Training	2
KINT 354	NSCA Certified Strength & Conditioning Specialist	3
KINT 452	ACSM Certified Health & Fitness Specialist	3
KINT 460	Applied Social Research Methods	3
KINT 480	Internship	3-6

Required Cognates:

Item #	Title	Credits
BIOL 101	Anatomy & Physiology I	4
BIOL 102	Anatomy & Physiology II	4
	CHEM 111, CHEM 112	8
MATH 180	Precalculus	4
MATH 141	Introduction to Probability and Statistics	3
PHYS 121	General Physics I	4
PSYC 212	General Psychology	3
PSYC 220	Human Growth and Development	3
	Total credits:	92

B.S. Health and Fitness

Kinesiology Core Curriculum

Item #	Title	Credits
KINT 110	Fundamentals of Kinesiology	3
KINT 201	Introduction to Kinesiology Research	1
KINT 241	Care and Prevention of Athletic Injuries	3
KINT 310	Motor Learning	3
KINT 321	Exercise Physiology	3
KINT 331	Biomechanics	3
KINT 490	Senior Seminar (Capstone/Portfolio)	1

Required Courses

Item #	Title	Credits
KINA 111	Physical Fitness	1
	KINA 112 or KINA 212	1
KINA 115	Resistance Training	1
KINA 116	Fitness Walking	1
	KINA 233 or KINA 234	1
KINA 215	Advanced Resistance Training	1
KINT 216	Nutrition	3
KINT 252	ACSM Certified Personal Trainer	3
KINT 260	First Aid, CPR, and First Responder Training	2
KINT 354	NSCA Certified Strength & Conditioning Specialist	3
KINT 450	Administration of Kinesiology	3
KINT 452	ACSM Certified Health & Fitness Specialist	3
KINT 480	Internship	3-6

Required Cognates:

Item #	Title	Credits
ACCT 211	Accounting Principles I	3
BIOL 101	Anatomy & Physiology I	4
BIOL 102	Anatomy & Physiology II	4
COMM 261	Media Writing I	3
PSYC 220	Human Growth and Development	3
	Total credits:	80

B.S. Physical Education

Kinesiology Core Curriculum

Item #	Title	Credits
KINT 110	Fundamentals of Kinesiology	3
KINT 201	Introduction to Kinesiology Research	1
KINT 241	Care and Prevention of Athletic Injuries	3
KINT 310	Motor Learning	3
KINT 321	Exercise Physiology	3
KINT 331	Biomechanics	3
KINT 490	Senior Seminar (Capstone/Portfolio)	1

Required Courses

Item #	Title	Credits
	KINA 115 or KINA 215	1
KINT 131	Officiating I	2
KINT 132	Officiating II	2
KINT 231	Professional Activities I	3
KINT 232	Professional Activities II	3
KINT 233	Professional Activities III	3
KINT 351	Coaching	3
KINT 420	Adapted Physical Education	3
KINT 431	Physical Education Methods (K-12)	3
KINT 450	Administration of Kinesiology	3

Required Cognates:

Item #	Title	Credits
BIOL 101	Anatomy & Physiology I	4
BIOL 102	Anatomy & Physiology II	4
	Total credits:	51

B.S. Sports and Fitness Management

Kinesiology Core Curriculum

Item #	Title	Credits
KINT 110	Fundamentals of Kinesiology	3
KINT 201	Introduction to Kinesiology Research	1
KINT 241	Care and Prevention of Athletic Injuries	3
KINT 310	Motor Learning	3
KINT 321	Exercise Physiology	3
KINT 331	Biomechanics	3
KINT 490	Senior Seminar (Capstone/Portfolio)	1

Kinesiology Courses:

Item #	Title	Credits
KINA 115	Resistance Training	1
KINT 252	ACSM Certified Personal Trainer	3
KINT 354	NSCA Certified Strength & Conditioning Specialist	3
KINT 450	Administration of Kinesiology	3
KINT 452	ACSM Certified Health & Fitness Specialist	3
KINT 485	Sports and Fitness Management Internship	6

Required Cognates:

Item #	Title	Credits
ACCT 211	Accounting Principles I	3
BIOL 101	Anatomy & Physiology I	4
BIOL 102	Anatomy & Physiology II	4
BUAD 301	Principles of Management	3
BUAD 372	Human Resources Management	3
BUAD 472	Business Policies and Strategies	3
	ECON 211 or ECON 212	3
FNCE 321	Business Finance	3
MATH 141	Introduction to Probability and Statistics	3
MKTG 343	Principles of Marketing	3
	Total credits:	68

Minor in Coaching

Required Courses

Item #	Title	Credits
	KINA 115 or KINA 215	1
KINT 110	Fundamentals of Kinesiology	3
	KINT 131 or KINT 132	2
	KINT 231 or KINT 232 or KINT 233	3
KINT 241	Care and Prevention of Athletic Injuries	3
KINT 351	Coaching	3
KINT 354	NSCA Certified Strength & Conditioning Specialist	3

Required Cognate:

Item #	Title	Credits
BIOL 101	Anatomy & Physiology I	4
	Total credits:	22

Minor in Health and Fitness

Required Courses

Item #	Title	Credits
	KINA 112 or KINA 212	1
KINA 115	Resistance Training	1
KINA 215	Advanced Resistance Training	1
KINT 110	Fundamentals of Kinesiology	3
KINT 216	Nutrition	3
KINT 241	Care and Prevention of Athletic Injuries	3
KINT 252	ACSM Certified Personal Trainer	3
KINT 452	ACSM Certified Health & Fitness Specialist	3

Required Cognate:

Item #	Title	Credits
BIOL 101	Anatomy & Physiology I	4
	Total credits:	22

Minor in Physical Education

Required Courses

Item #	Title	Credits
	KINA 115 or KINA 215	1
KINT 110	Fundamentals of Kinesiology	3
	KINT 131 or KINT 132	2
KINT 241	Care and Prevention of Athletic Injuries	3
KINT 431	Physical Education Methods (K-12)3 Two Professional Activities Courses	6

Required Cognate:

Item #	Title	Credits
BIOL 101	Anatomy & Physiology I	4
	Total credits:	22

Kinesiology Course Descriptions

EMSP 201: EMT Basic

This course is designed to teach the student how to apply operational principles in out-of-hospital environments and demonstrate lifesaving care to patients at the Emergency Medical Technician (EMT) level and display professional and ethical behaviors expected of emergency personnel.

Credits: 4

Co-Requisites:

EMSP 202

EMSP 202: EMT Clinical

This course is designed to teach the student the hands-on skills necessary for the Emergency Medical Technician (EMT) level, as well as satisfy EMS clinical and ambulance rotation requirements in order to be certified as an EMT by the Texas Department of Health.

Credits: 1

Co-Requisites:

EMSP 201

KINA 111: Physical Fitness

An introduction to personal fitness and application of training principles. Includes flexibility, muscular fitness, body composition, and cardiovascular pre- and post-semester assessment. This course also incorporates SDA heritage on healthful living.

Credits: 1

Semester Offered: Fall

Spring

KINA 112: Aerobics

An introduction to basic floor movements, calisthenics, and step aerobics. Students are also introduced to choreography.

Credits: 1

Semester Offered: Fall

Spring

KINA 115: Resistance Training

An introduction to the development of muscular fitness through the use of weighted resistance. Safety procedures are stressed.

Credits: 1

Semester Offered: Fall

KINA 116: Fitness Walking

An introduction to cardiovascular fitness through walking.

Credits: 1

Semester Offered: Fall

KINA 122: Futsal (Indoor Soccer)

Students are taught the basic skills in shooting, passing, and goal keeping. Offensive and defensive strategies are introduced. Includes topics such as rules and terminology.

Credits: 1

Semester Offered: Periodically

KINA 124: Basketball

Development of skills in shooting, passing, executing plays and understanding offensive and defensive strategies.

Credits: 1

Semester Offered: Periodically

KINA 125: Volleyball

Students are taught basic skills in passing, setting, serving, and spiking. Offensive and defensive strategies are introduced.

Credits: 1

Semester Offered: Spring

KINA 131: Swimming

Students are introduced to basic aquatic safety, floating, freestyle, and elementary backstroke.

Credits: 1

Semester Offered: Fall

KINA 141: Badminton

Students will develop skills in the basic badminton strokes, including the long and short serve, overhead clear, drop shot, smash, round-the-head shot and net shots. They will also learn doubles and singles strategy.

Credits: 1

Semester Offered: Spring

KINA 142: Tennis

Students develop skills in the basic strokes (forehand, backhand, serve, volley, and lob). They are also introduced to strategy of play.

Credits: 1

Semester Offered: Fall

KINA 145: Racquetball

An introduction to five basic serves, forehand and backhand, strokes, rules, sportsmanship and strategy of the game.

Credits: 1

Semester Offered: Fall

Spring

KINA 212: Advanced Aerobics

High intensity aerobic class. May include step aerobics, kick boxing, or other popular routines.

Credits: 1

Prerequisites:

KINA 112

Semester Offered: Spring

KINA 213: Pilates

An introduction to the Beginner and Intermediate levels, and select Advanced movements, of the Pilates-based mat program, a total body conditioning exercise method combining flexibility and strength from both Eastern and Western cultures.

Credits: 1

Semester Offered: Spring

KINA 215: Advanced Resistance Training

Students enhance their strength training routines with advanced methods of resistance training. Students are introduced to new training techniques and sport-specific routines.

Credits: 1

Prerequisites:

KINA 115

or approval by instructor

Semester Offered: Spring even years

KINA 222: Soccer Team

This course is designed for the advanced soccer player to participate in higher-level athletic competition as a member of a sports team. Advanced fundamentals and skills through practice, participation in intercollegiate contests and peripheral activities that include community awareness and involvement make up the components of this course. Must obtain permission from instructor to participate. May be repeated for credit for a total of 4 credits. May be applied toward general education KINA requirement. Course fee applies. Pass/no pass course.

Credits: 1

Semester Offered: Fall

KINA 224: Basketball Team

This course is designed for the advanced basketball player to participate in higher-level athletic competition as a member of a sports team. Advanced fundamentals and skills through practice, participation in intercollegiate contests and peripheral activities that include community awareness and involvement make up the components of this course. Must obtain permission from instructor to participate. May be repeated for credit for a total of 4 credits. May be applied toward general education KINA requirement. Course fee applies. Pass/no pass course.

Credits: 1

Semester Offered: Fall

Spring

KINA 225: Volleyball Team

This course is designed for the advanced volleyball player to participate in higher-level athletic competition as a member of a sports team. Advanced fundamentals and skills through practice, participation in intercollegiate contests and peripheral activities that include community awareness and involvement make up the components of this course. Must obtain permission from instructor to participate. May be repeated for credit for a total of 4 credits. May be applied toward general education KINA requirement. Course fee applies. Pass/no pass course.

Credits: 1

Semester Offered: Fall

KINA 229: Gymnastics Team

This class is a touring, witnessing acrosport team. The skills required are basic and power tumbling, pyramid building and basket tossing. Team members are required to tour and attend clinics. May be repeated for credit. Pass/no pass course.

Credits: 1

Semester Offered: Fall

Spring

KINA 231: Advanced Swimming

Opportunity is given for students to progress to advanced levels of swimming in backstroke, freestyle, breaststroke, and butterfly stroke.

Credits: 1

Prerequisites:

KINA 131

or approval by instructor

Semester Offered: Periodically

KINA 233: Water Aerobics

An introduction to basic water movements for strength and flexibility.

Credits: 1

Semester Offered: Fall

KINA 234: Lifeguard Training

Certified training in lifeguard techniques. Requires a recording fee.

Credits: 1

Semester Offered: Periodically

KINA 236: Disc Golf

Disc Golf is designed to introduce students to basic disc golf skills and knowledge including technique, conditioning, strategy, rules and etiquette. Students will also get involved in the disc golf community by engaging in discussions with PDGA leaders on topics of growth and development, environmental impact and societal perception. Course will culminate in a disc golf clinic and hosted by class members.

Credits: 1

Semester Offered: Fall

KINA 242: Advanced Tennis

For the student who wants to develop advanced skills in overhead smash, full serve, drop shot, and advanced strategy for both singles and doubles plays.

Credits: 1

Prerequisites:

KINA 142

or approval by instructor

Semester Offered: Periodically

KINA 246: Inline Hockey

Students will learn fundamental skills of skating, stick handling, passing and shooting. They will also be introduced to offensive and defensive strategies. Students must have their own hockey skates. It is preferred that students bring their own protective equipment, including helmet/ mask, gloves, shin guards and elbow pads. The department does have a limited supply.

Credits: 1

Semester Offered: Spring

KINA 247: Golf

An introduction to the basic strokes in golf (driving, chipping, and putting). Scoring terminology and golf etiquette are also taught. Students play on community golf courses. Requires additional fee.

Credits: 1

Semester Offered: Periodically

KINA 248: Advanced Racquetball

Students have the opportunity to develop advanced skills in overhead, kill, drive serve and advanced strategies for offensive and defensive play for both singles and doubles.

Credits: 1

Prerequisites:

KINA 145

or approval by instructor

Semester Offered: Spring odd years

KINA 255: Floorball

Students will develop skills in stick handling, passing and shooting. They will also be introduced to offensive and defensive strategies.

Credits: 1

Semester Offered: Fall

KINA 256: Advanced Floorball

Students will develop more advanced ball handling, shooting and passing skills. The course will also include advanced technical and tactical offensive and defensive strategies.

Credits: 1

Prerequisites:

KINA 255

or approval by instructor.

Semester Offered: Fall

KINA 298: Individual Study Topics

Designed for the student who wishes to do independent study or research. Content and methods of study must be arranged prior to registration. May be repeated for a total of 3 credits.

Credits: 1-3

Prerequisites:

Approval by department chair

KINA 299: Directed Group Study Topics

Provides academic departments an opportunity to offer courses in specialized or experimental areas, either lower or upper division, not listed in the undergraduate *Bulletin*. May be repeated for a total of 3 credits.

Credits: 1-3

Prerequisites:

Approval by department chair

KINA 498: Individual Study Topics

Designed for the advanced student who wishes to do independent study or research. Content and methods of study must be arranged prior to registration. May be repeated for a total of 3 credits.

Credits: 1-3

Prerequisites:

Approval by department chair

KINA 499: Directed Group Study Topics

Provides academic departments an opportunity to offer courses in specialized or experimental areas, either lower or upper division, not listed in the undergraduate *Bulletin*. May be repeated for a total of 3 credits.

Credits: 1-3

Prerequisites:

Approval by department chair

KINT 110: Fundamentals of Kinesiology

A general introduction to historical and scientific foundations of physical education, exercise science and sports. Students will explore career opportunities and current issues in these fields.

Credits: 3

Semester Offered: Fall, odd years

KINT 131: Officiating I

Theory and practice of officiating soccer, basketball and floor hockey, including rules, interpretation of rules, officiating techniques and examinations. Part of the class requirements is to officiate college intramurals and to assist in the administration of the recreational sports program.

Credits: 2

Semester Offered: Spring even years

KINT 132: Officiating II

Theory and practice of officiating flag football, volleyball, and softball including rules, interpretation of rules, officiating techniques and examinations. Part of the class requirements is to officiate college intramurals and to assist in the administration of the recreational sports program.

Credits: 2

Semester Offered: Fall, odd years

KINT 201: Introduction to Kinesiology Research

This course is an introduction to methods of research and scholarly writing in kinesiology. Physical education, exercise science and wellness majors begin the process of senior portfolio development.

Credits: 1

Prerequisites:

ENGL 220

Semester Offered: Spring

KINT 216: Nutrition

A study of the nutrients now known to be required in the human diet and how to best obtain these nutrients. The student will learn to correlate dietary practice with physiological consequences and understand basic physiological functions of the nutrients in food.

Credits: 3

Semester Offered: Fall

Spring

KINT 231: Professional Activities I

Development of skills and teaching techniques of soccer, basketball, badminton and floor hockey.

Credits: 3

Semester Offered: Spring odd years

KINT 232: Professional Activities II

Development of skills and teaching techniques of flag football, volleyball, softball and tennis.

Credits: 3

Semester Offered: Fall, even years

KINT 233: Professional Activities III

Development of skills and teaching techniques of track and field, and gymnastics.

Credits: 3

Semester Offered: Fall, odd years

KINT 241: Care and Prevention of Athletic Injuries

An introduction to prevention and management of injuries resulting from athletic activities. Treatment options include: support methods, conditioning exercises, and therapeutic aids. Laboratory work includes bandaging and taping various athletic injuries. Course fee.

Credits: 3

Prerequisites:

BIOL 101

Semester Offered: Fall, even years

KINT 244: Physical Education in the Elementary School

Methods and materials for directing physical education programs for the elementary school. The course is designed for students who are candidates for the elementary classroom teaching certification. Experiences in this course will enable students to become more proficient in the knowledge and skills needed to be critical thinkers, creative planners and effective practitioners in the area of elementary physical education. Includes field experience.

Credits: 3

Semester Offered: Fall

KINT 252: ACSM Certified Personal Trainer

This course will cover health appraisal, risk assessment and safety of exercise, fitness testing, and an overview of exercise prescription. The course will prepare students to take the ACSM's Certified Personal Trainer certification exam. Course fee.

Credits: 3

Prerequisites:

BIOL 101

Semester Offered: Fall, odd years

KINT 260: First Aid, CPR, and First Responder Training

This course will give students the opportunity to be certified by the American Red Cross in First Aid, CPR and AED. Requires additional fee.

Credits: 2

Semester Offered: Spring even years

KINT 280: Internship

The Department of Kinesiology coordinates placement of students. The nature of the work depends on the student's interest. Possibilities include medical clinic, sports team, athletic training, or physical therapy. Credit earned depends on hours of work. May be repeated for a total of 6 credits. Eligible for IP grading.

Credits: 3-6

Prerequisites:

Approval by department chair

Semester Offered: Fall

Spring

Summer

KINT 298: Individual Study Topics

Designed for the student who wishes to do independent study or research. Content and methods of study must be arranged prior to registration. May be repeated for a total of 3 credits.

Credits: 1-3

Prerequisites:

Approval by department chair

KINT 299: Directed Group Study Topics

Provides academic departments an opportunity to offer courses in specialized or experimental areas, either lower or upper division, not listed in the undergraduate *Bulletin*. May be repeated for a total of 3 credits.

Credits: 1-3

Prerequisites:

Approval by department chair

KINT 310: Motor Learning

Students will develop the ability to analyze motor behavior in a physical education or clinical setting, create solutions to motor problems, and coach athletes and students to better performance. Class includes laboratory activities, critical readings and a research study.

Credits: 3

Prerequisites:

BIOL 101

Semester Offered: Fall, odd years

KINT 321: Exercise Physiology

Emphasizes physiological response and adaptation to exercise with regard to human performance limitations, training effects, and health-related benefits. Class includes laboratory activities and fitness assessments.

Credits: 3

Prerequisites:

BIOL 101

BIOL 102

Semester Offered: Fall, even years

KINT 331: Biomechanics

This course teaches students to analyze, describe, and understand motion principles of the body that relate to sport and teaching movement skills. Class includes laboratory activities and qualitative research.

Credits: 3

Prerequisites:

BIOL 101

BIOL 102

Semester Offered: Spring even years

KINT 351: Coaching

This course is designed to introduce the student to coaching sports. It will consist of several types of learning activities: reading, lecture, discussion, videotape, and writing. This course will also prepare students to take the American Sport Education Program coaching certification exam. Requires additional fee.

Credits: 3

Prerequisites:

KINT 131 or 132, 231 or 232

Semester Offered: Spring odd years

KINT 354: NSCA Certified Strength & Conditioning Specialist

This course is designed to apply scientific knowledge to train athletes for the primary goal of improving athletic performance. The topics covered include conducting sport-specific testing sessions, designing, and implementing safe and effective resistance training and conditioning programs and providing guidance regarding nutrition and injury prevention. Certification requires additional fee.

Credits: 3

Prerequisites:

KINT 321

KINT 331

Semester Offered: Spring even years

KINT 420: Adapted Physical Education

A course designed to aid the educator in identifying physical, structural, functional or neurological impairments found in school-age children. Emphasis includes a survey of source material needed to plan and conduct individual, developmental and special courses in physical education. Lecture and lab.

Credits: 3

Semester Offered: Fall, even years

KINT 431: Physical Education Methods (K-12)

The study of methods and techniques of teaching physical education in the elementary and secondary school, including individual as well as group activities; students are required to observe and demonstrate in class.

Credits: 3

Prerequisites:

KINT 231

KINT 232

Semester Offered: Fall, even years

KINT 450: Administration of Kinesiology

Students develop basic skills and knowledge necessary to administer daily activities of a physical education department or athletic program. Topics include facility management, intramural activities, adapted physical education, fiscal management, leadership, and legal issues.

Credits: 3

Semester Offered: Fall, odd years

KINT 452: ACSM Certified Health & Fitness Specialist

This course will prepare students to take the ACSM Health Fitness Specialist Exam. The course will cover basic anatomy and physiology, nutrition, fitness assessment, program design, injury prevention and first aid, behavioral change and legal guidelines. Certification requires additional fee.

Credits: 3

Prerequisites:

KINT 252

Semester Offered: Spring odd years

KINT 460: Applied Social Research Methods

An introduction to applied research methods and their applications to the disciplines of Kinesiology and Psychology. Emphasis is on understanding basic terminology, the use of fundamental research tools, and the integration of research and practice. Students will gain experience with single subject designs, program evaluation methods, SPSS-driven data analysis, and case studies in data collection. (Also taught as **PSYC 460**.)

Credits: 3

Semester Offered: Fall

KINT 480: Internship

The Department of Kinesiology coordinates placement of students. The nature of the work depends on the student's interest. Possibilities include medical clinic, sports team, athletic training, or physical therapy. Credit earned depends on hours of work. May be repeated for a total of 6 credits. Eligible for IP grading.

Credits: 3-6

Prerequisites:

Approval by department chair

Semester Offered: Fall

Spring

Summer

KINT 485: Sports and Fitness Management Internship

The department of Kinesiology coordinates placement of students. The nature of the work depends on the student's interest. Possibilities include high school or college athletic programs, professional sports teams, or fitness centers. Eligible for IP grading.

Credits: 6

Prerequisites:

Approval by department chair

Semester Offered: Fall

Spring

Summer

KINT 490: Senior Seminar (Capstone/Portfolio)

This is a capstone course where students will study and discuss current issues and concepts within the Physical Education, Exercise Science and Health Fitness professions. In addition, the students will prepare for employment in the profession. The class also prepares students for the major exit exam.

Credits: 1

Semester Offered: Spring

KINT 498: Individual Study Topics

Designed for the advanced student who wishes to do independent study or research. Content and methods of study must be arranged prior to registration. May be repeated for a total of 3 credits.

Credits: 1-3

Prerequisites:

Approval by department chair

KINT 499: Directed Group Study Topics

Provides academic departments an opportunity to offer courses in specialized or experimental areas, either lower or upper division, not listed in the undergraduate *Bulletin*. May be repeated for a total of 3 credits.

Credits: 1-3

Prerequisites:

Approval by department chair

UNIV 111: Wellness for Life

A study of wellness using the CREATION Health model. The course takes a whole-person approach to living healthy and will cover information related to healthy choices, rest, healthy environment, physical activity, trust, interpersonal relationships, outlook, and nutrition.

Credits: 2

Semester Offered: Fall, Spring

UNIV 311: Wellness for Life

This course introduces whole-person wellness principles through the CREATION Health Model. Personal application of these principles includes choice, rest, environment, activity, trust, interpersonal relationships, outlook, and nutrition. Emphasis will also involve use of CREATION Health principles to impact the lives of others.

Online 8-week module.

Credits: 2

Semester Offered: Fall, Spring

Mathematics

Faculty/Staff

Nicholas Madhiri, Chair; Jonathan Duarte, Ryan Loga

Adjunct: Jennifer Smith

Aims of the Program

First, we aim to give each student an understanding of basic mathematics and its application to solving problems expressible by algebraic equations and inequalities. Second, we aim to train students to understand the fundamental concepts of mathematics so that they can teach the subject on the elementary or secondary level. Third, we aim to give a solid foundation in the area of mathematics which will prepare students to pursue further studies in mathematics, the physical sciences, economics, and the engineering sciences.

B.A. Mathematics

Required Courses

Item #	Title	Credits
MATH 141	Introduction to Probability and Statistics	3
MATH 181	Calculus I	4
MATH 182	Calculus II	4
MATH 283	Calculus III	4
MATH 211	Logic and Set Theory	3
MATH 321	Differential Equations	3
MATH 361	Introduction to Linear Algebra	3
MATH 431	Abstract Algebra	3
MATH 484	Mathematics Seminar	1
MATH 485	Portfolio	1
	Mathematics Upper Division Electives	3

Required cognate: take one of the following courses:

Item #	Title	Credits
CSIS 110	Principles of Computer Programming I	3
CSIS 111	Principles of Computer Programming II	3
PHYS 121	General Physics I	4
PHYS 122	General Physics II	4
	Total credits:	35-36

B.S. Mathematics

Required Courses

Item #	Title	Credits
MATH 181	Calculus I	4
MATH 182	Calculus II	4
MATH 283	Calculus III	4
MATH 211	Logic and Set Theory	3
MATH 321	Differential Equations	3
MATH 361	Introduction to Linear Algebra	3
MATH 431	Abstract Algebra	3
MATH 471	Real Analysis	3
MATH 484	Mathematics Seminar	1
MATH 485	Portfolio	1
	Mathematics 12 Hours Upper Division Electives	12

Required cognate: take two of the following courses:

Item #	Title	Credits
CSIS 110	Principles of Computer Programming I	3
CSIS 111	Principles of Computer Programming II	3
PHYS 121	General Physics I	4
PHYS 122	General Physics II	4
	Total credits:	47-49

B.S. Mathematics Secondary Teaching Area

Teaching Certification Program

The following mathematics major is for teaching certification only. Requirements for certification are listed in the Education section of this *Bulletin*.

You must make formal application for admittance to the Teacher Education Program. Applications are available at the Education Department office.

Required Courses

Item #	Title	Credits
MATH 141	Introduction to Probability and Statistics	3
MATH 181	Calculus I	4
MATH 182	Calculus II	4
MATH 283	Calculus III	4
MATH 211	Logic and Set Theory	3
MATH 341	Geometry	3
MATH 361	Introduction to Linear Algebra	3
MATH 371	History of Mathematics	3
MATH 431	Abstract Algebra	3
MATH 484	Mathematics Seminar	1
MATH 485	Portfolio	1
	Mathematics 12 Hours Upper Division Electives	12
	Total credits:	44

Minor in Mathematics

Required Courses

Item #	Title	Credits
MATH 181	Calculus I	4
MATH 182	Calculus II	4
MATH 283	Calculus III	4
	Mathematics Minor Upper Division Electives	6
	Total credits:	18

Minor in Mathematics - Secondary Certification

Teaching Certification Program

The following mathematics minor is for teaching certification only. Requirements for certification are listed in the Education section of this *Bulletin*.

You must make formal application for admittance to the Teacher Education Program. Applications are available at the Education Department office.

Required Courses

Item #	Title	Credits
MATH 141	Introduction to Probability and Statistics	3
MATH 181	Calculus I	4
MATH 182	Calculus II	4
MATH 211	Logic and Set Theory	3
MATH 341	Geometry	3
MATH 361	Introduction to Linear Algebra	3

Mathematics 6 Hours Upper Division Electives

Item #	Title	Credits
MATH 321	Differential Equations	3
MATH 322	Partial Differential Equations	3
MATH 371	History of Mathematics	3
MATH 381	Complex Variables	3
MATH 411	Numerical Analysis with Application	3
MATH 431	Abstract Algebra	3
MATH 441	Calculus-Based Probability Theory	4
MATH 461	Number Theory	3
MATH 471	Real Analysis	3
	Total credits:	26

Mathematics Course Descriptions

MATH 013: Algebra

This course provides the student with a basic understanding of addition, subtraction, multiplication, and division of fractions and rational expressions in addition to an understanding of quadratic equations, inequalities, and graphing.

This course does not apply toward general education or graduation requirements.

Credits: 3

Semester Offered: Fall

Spring

MATH 103: The Essentials of Mathematics

This course covers the following topics: fraction, decimal, percent, conversion of units, dimensional analysis, measurements, linear relationships, exponential relationships, logarithmic relationships, simple interest, compounded and continuous interest, annuity, graphical representation of data, descriptive and inferential statistics, logic and sets, and proof writing.

Credits: 3

Semester Offered: Summer

MATH 110: College Algebra

A study of algebraic expressions, equations, inequalities, and functions. Includes function composition, inverse functions, and graphs of functions. Solutions of linear and quadratic functions are presented (including complex numbers) with extension to other polynomial functions. Topics also include properties and graphs of rational functions, and systems of linear equations and their solutions including matrix methods and determinants.

Credits: 3

Prerequisites:

Aleks Placement Test Score of 46-60 or an SAT mathematics score of at least 530 or an ACT mathematics score of at least 21 or **MATH 013** with a grade of C- or higher or permission of the department.

Semester Offered: Fall

Spring

MATH 131: Applied Mathematics

This course covers topics from number concepts and operations, patterns and algebra, geometry and measurement, and probability and statistics with an emphasis on problem solving in the real world. The course covers fundamental aspects of mathematics as required by the Texas Department of Education.

Credits: 3

Prerequisites:

Aleks Placement Test Score of 46-60 or an SAT mathematics score of at least 530 or an ACT mathematics score of at least 21 or **MATH 013** with a grade of C- or higher or permission of the department.

Semester Offered: Spring

MATH 141: Introduction to Probability and Statistics

An introduction to the statistical processes of sampling, descriptive statistics, presentation of data, and inferential statistics. Included are elements of probability, discrete and continuous random variables, and the probability basis for hypothesis testing. Specific statistical techniques and concepts include use of the normal distribution, the t-distribution, X² distribution, analysis of variance, correlation, and linear regression.

Credits: 3

Prerequisites:

Aleks Placement Test Score of 46-60 or an SAT mathematics score of at least 530 or an ACT mathematics score of at least 21 or **MATH 013** with a grade of C- or higher or permission of the department.

Semester Offered: Fall

Spring

MATH 180: Precalculus

A review of basic properties of functions including their domain, range, graphs, and relationship to their inverse functions with an emphasis on exponential and logarithmic functions and their applications. An introduction to trigonometry including basic definitions of the trigonometric functions and their properties, identities, and specific trigonometric formulae such as addition and subtraction, double-angle, and half-angle. Applications to triangles are covered utilizing the laws of sines and cosines. Other topics such as polar coordinates and conic sections are presented. This course includes an introduction to sequences, series, limits, and aspects of calculus.

Credits: 4

Prerequisites:

Aleks Placement Test Score of 61-75, or a high school Algebra II course with a grade of at least a B along with an SAT mathematics score of at least 530 or an ACT mathematics score of at least 21, or **MATH 110** with a grade of C- or higher, or permission of the department.

Semester Offered: Spring

MATH 181: Calculus I

A study of algebraic and transcendental functions of one variable, limits, continuity, differentiation, integration, and applications of derivatives and integrals.

Credits: 4

Prerequisites:

Aleks Placement Test Score of 76-100 or **MATH 180** with a grade of C- or higher or a high school precalculus with a grade of at least a B and permission of the instructor.

Semester Offered: Fall

MATH 182: Calculus II

A study of the calculus of transcendental functions, introduction to differential equations, applications of integration, techniques of integration, and infinite series.

Credits: 4

Prerequisites:

MATH 181

with a grade of C- or higher

Semester Offered: Spring

MATH 211: Logic and Set Theory

An introduction to mathematical proofs, elementary logic, sets, equivalence relations, and functions. The emphasis is on understanding and writing of proofs.

Credits: 3

Prerequisites:

MATH 182

with a grade of C- or higher

Semester Offered: Fall

MATH 283: Calculus III

A study of vectors in two and three dimensions, motion in space, polar, cylindrical and spherical coordinate systems, functions of several variables, partial derivatives, multiple integrals, and differentiation and integration in scalar and vector fields.

Credits: 4

Prerequisites:

MATH 182

with a grade of C- or higher

Semester Offered: Fall

MATH 298: Individual Study Topics

Designed for the student who wishes to do independent study or research. Content and method of study must be arranged prior to registration. May be repeated for a total of 2 credits.

Credits: 1-2

Prerequisites:

Approval by the department chair

MATH 299: Directed Group Study Topics

Provides academic departments an opportunity to offer courses in specialized or experimental areas, either lower or upper division, not listed in the undergraduate *Bulletin*. May be repeated for a total of 3 credits.

Credits: 1-3

Prerequisites:

Approval by department chair

MATH 321: Differential Equations

This is a study of ordinary differential equations with emphasis on the analytic methods for solving them. This course covers first-order differential equations, higher-order differential equations, modeling with differential equations, system of linear differential equations, series solutions, and Laplace transforms.

Credits: 3

Prerequisites:

MATH 182

Semester Offered: Spring even years

MATH 322: Partial Differential Equations

Partial differential equations, Fourier series, boundary value problems, Bessel functions, Legendre polynomials. Offered via Southwestern's virtual classroom from [Southern Adventist University](#).

Credits: 3

Prerequisites:

MATH 321

Semester Offered: Fall, even years

MATH 341: Geometry

This course is a study of Euclidean and non-Euclidean geometry. The course is taught within a historical context with a chronological introduction to the history of geometry. The mathematics from ancient times to calculus, together with selected topics from the history of modern mathematics. Offered via Southwestern's virtual classroom from [Southern Adventist University](#).

Credits: 3

Prerequisites:

MATH 211

Semester Offered: Fall, odd years

MATH 361: Introduction to Linear Algebra

An introduction to vector spaces and matrix theory over the field of real numbers.

Credits: 3

Prerequisites:

MATH 283

MATH 211

also recommended.

Semester Offered: Spring odd years

MATH 371: History of Mathematics

A survey of the development of classical mathematics from ancient times to calculus, together with selected topics from the history of modern mathematics. Offered Fall even years via Southwestern's virtual classroom from [Southern Adventist University](#), and Spring even years via Southwestern's virtual classroom from Union College, NE.

Credits: 3

Prerequisites:

MATH 211

Semester Offered: Fall, even years

Spring even years

MATH 381: Complex Variables

This course is a study of analytic functions, power series, calculus of residues, and conformal mappings. Offered via Southwestern's virtual classroom from [Southern Adventist University](#).

Credits: 3

Prerequisites:

MATH 283

MATH 211

Semester Offered: Spring even years

MATH 411: Numerical Analysis with Application

This is a course in numerical methods for solving mathematical problems. It covers solution of linear equations, roots of polynomial equations, interpolation and approximation, numerical differentiation and integration, solution of ordinary differential equations, and error analysis. The writing of computer programs for solving problems is a part of the course. Offered via Southwestern's virtual classroom from [Southern Adventist University](#).

Credits: 3

Prerequisites:

[MATH 211](#)

and knowledge of a computer programming language (CSIS 110 is recommended).

Semester Offered: Spring odd years

MATH 431: Abstract Algebra

A study of the abstract systems: groups, rings, fields, and integral domains. Offered fall even years via Southwestern's virtual classroom from [Southern Adventist University](#).

Credits: 3

Prerequisites:

[MATH 211](#)

Semester Offered: Fall

MATH 441: Calculus-Based Probability Theory

A study of the basic ideas of probability theory, discrete and continuous random variables, and their distributions. Offered fall, even years via Southwestern's virtual classroom from [Southern Adventist University](#).

Credits: 4

Prerequisites:

[MATH 182](#)

Semester Offered: Fall, even years

MATH 442: Actuarial Exam P Preparation

This course prepares students to take Exam P from the Society of Actuaries. Offered via Southwestern's virtual classroom from Union College, NE.

Credits: 3

Prerequisites:

[MATH 441](#)

Semester Offered: Spring odd years

MATH 461: Number Theory

A study of topics including Diophantine equations, congruences, prime numbers, and applications. Emphasis is placed on proving theorems.

Credits: 3

Prerequisites:

[MATH 211](#)

Semester Offered: Spring, Even Years

MATH 471: Real Analysis

This is a study of functions of one real variable, and the conditions for differentiability and for integrability of these functions. Emphasis is placed on proving theorems. Offered fall odd years via Southwestern's virtual classroom from [Southern Adventist University](#).

Credits: 3

Prerequisites:

[MATH 283](#)

[MATH 211](#)

Semester Offered: Fall

MATH 484: Mathematics Seminar

Oral presentation of research papers or articles from the variety of topics in mathematics.

Credits: 1

Prerequisites:

Senior level standing

Semester Offered: Fall

MATH 485: Portfolio

This course fulfills the requirement for a capstone/portfolio completion course.

Credits: 1

Prerequisites:

[MATH 484](#)

Semester Offered: Spring

MATH 498: Individual Study Topics

Designed for the student who wishes to do independent study or research as well as a mathematics lecture based course covering a topic not routinely offered. Content and method of study must be arranged prior to registration. May be repeated for a total of 3 credits.

Credits: 1-3

Prerequisites:

Approval by the department chair

MATH 499: Directed Group Study Topics

Provides academic departments an opportunity to offer courses in specialized or experimental areas, either lower or upper division, not listed in the undergraduate *Bulletin*. May be repeated for a total of 3 credits.

Credits: 1-3

Prerequisites:

Approval by department chair

Medical Laboratory Science

Faculty/Staff

Peter McHenry, Chair, Department of Biological Sciences;
Arthur Schwarz, Advisor, Department of Biological Sciences

Program

Southwestern Adventist University offers a Bachelor of Science degree (131-138 semester hours) in Medical Laboratory Science. This degree is offered in affiliation with Tarleton State University in Fort Worth, Texas or Andrews University in Berrien Springs, Michigan. The first three years are completed at the Southwestern Adventist University campus. The fourth year (12-14 months) of the program consists of clinical training to be completed at one of the affiliated hospital-based programs. Tarleton State University starts classes in July and January and may require additional prerequisite classes such as physics and biochemistry. Andrews University classes start in June. The program is accredited by the Council on Allied Health Education and Accreditation in conjunction with the National Accrediting Agency for Medical Laboratory Science.

Each student must apply to the hospital training program of his/her choice, preferably early in the junior year. Acceptance into the Southwestern Adventist University program and declaration as a Medical Laboratory Science major does not imply that the student will be accepted for the senior clinical year by an affiliated hospital program. The student is encouraged to maintain a science and an overall grade point average of 3.0 (on a four-point scale) or higher. The criteria for student selection by an affiliated hospital institution include scholastic ability, completed application materials, letters of reference, and a personal interview. At least 30 of the last 36 semester hours of academic work taken prior to the senior clinical year must be taken in residence at Southwestern Adventist University. Sixteen of the 32 hours must be science courses. English as a Second Language courses are not applicable toward residency.

B.S. Medical Laboratory Science

Required Courses

Item #	Title	Credits
BIOL 111	General Biology I	4
BIOL 112	General Biology II	4
BIOL 180	Biology Research Seminar	1
BIOL 318	Microbiology & Immunology	4
BIOL 320	Genetics	4
CHEM 111	General Chemistry I	4
CHEM 112	General Chemistry II	4
CHEM 231	Organic Chemistry I	4
CHEM 232	Organic Chemistry II	4
CSIS 102	Computer Literacy and Applications	3
	MATH 141 or 180	3-4

Recommended Courses

Item #	Title	Credits
BIOL 455	Immunology	3
CHEM 431	Biochemistry I	3
PHYS 121	General Physics I	4
PHYS 122	General Physics II	4

Senior Year

Click here to link to [Andrews University Medical Laboratory Science](#) page for a complete list of classes taken during Senior year.

Click here to link to [Tarleton State University Medical Laboratory Science](#) page for a complete list of classes taken during Senior year.

Total credits: 120-150

Modern Languages

Faculty/Staff

Adventist Colleges Abroad Coordinator: Elizabeth Bowser

Adjunct: Junyu Zhang

Aims of the Program

Southwestern Adventist University strongly encourages students to study a foreign language. Indeed, foreign language courses are a degree component of all B.A. programs at the University. Southwestern currently offers courses in Chinese, French, and Spanish.

According to the Council on Foreign Relations, education in the United States should focus on languages that will give Americans an economic competitive edge. The top five languages recommended include Chinese and Portuguese.

A second language opens doors to both personal and professional development and can give recent graduates an advantage when seeking employment in both national and international organizations and corporations.

Program

• Minor in Spanish, Portuguese, French, German, Arabic, Chinese, Italian and Hebrew

Minor in Spanish, Portuguese, French, German, Arabic, Chinese, Italian and Hebrew

A minor consists of 18 hours, exclusive of the elementary course or its equivalent, 12 hours of which must be upper division and includes 3 hours of literary analysis. Most often requires at least one year abroad.

Adventist Colleges Abroad

The Modern Language Department offers all students, whether majoring in languages or not, the opportunity to study overseas as part of their university education. Normally this can fit into a four-year course of study without losing credits as a result. Southwestern is a member of Adventist Colleges Abroad (ACA), administered by the North American Division of the Seventh-day Adventist Church. Through this consortium, students are able to study a language in the actual homeland of that particular language. Overseas campuses affiliated with ACA that provide foreign language instruction include:

- Universidad Adventista del Plata, Argentina (Spanish; academic year only)

- Seminar Schloss Bogenhofen, Austria (German)
- Bahia Adventist College, Brazil (Portuguese)
- Campus Advetiste du Saleve, France (French)
- Friedensau Adventist University, Germany (German; academic year only)
- Instituto Avventista Villa Aurora, Italy (Italian)
- Middle East University, Lebanon (Arabic; academic year only)
- Escuela Superior de Espanol, Spain (Spanish)
- Jerusalem Study Center, Israel (Hebrew; summer only)
- Taiwan Adventist College, Taiwan (Chinese, summer only)

Study overseas is coordinated through the History and Social Science department. More information about application, courses, and logistics is available by visiting aca-noborders.com. The ACA Bulletin is also available at the Records Office and contains a listing of courses offered on each campus.

CHIN 111: Chinese Language and Culture I

Focuses on cultivating student daily conversation abilities in the following situations: greetings, family, dates and time, hobbies, and visiting friends. Course builds students solid Chinese pronunciation system and introduces Chinese written system in terms of the number and order of character stroking and radicals.

Credits: 4

Semester Offered: Fall

CHIN 112: Chinese Language and Culture II

Continues to develop listening, speaking, reading, and writing skills on the novice high level.

Credits: 4

Prerequisites:

Completion of CHIN 111 with a grade of C- or better, or approval of the instructor.

Semester Offered: Spring

CHIN 211: Intermediate Chinese I

This course builds on CHIN 111 and 112, Chinese Language and Culture I and II, and is designed for students who have completed at least one year of Mandarin or equivalent to further develop speaking, listening, reading, and writing skills.

Credits: 3

Prerequisites:

Completion of CHIN 112 with a grade of C- or better, or approval of the instructor.

Semester Offered: Fall

CHIN 212: Intermediate Chinese II

This course continues to develop speaking, listening, reading, and writing skills.

Credits: 3

Prerequisites:

Completion of CHIN 211 with a grade of C- or better, or approval of the instructor.

Semester Offered: Spring

SPAN 111: Elementary Spanish I

The sound and sentence patterns of Spanish are learned through drills, dialogues, readings and models, both live and recorded. Includes 1 lab hour.

Credits: 4

Lab Hours: 1

Semester Offered: Fall

SPAN 112: Elementary Spanish II

The sound and sentence patterns of Spanish are learned through drills, dialogues, readings and models, both live and recorded. Includes 1 lab hour.

Credits: 4

Lab Hours: 1

Prerequisites:

SPAN 111

or demonstrated proficiency

Semester Offered: Spring

SPAN 211: Intermediate Spanish I

A thorough review of Spanish grammar through oral and written composition as well as cultural and literary readings. Attention is given to the history, customs, and traditions of the Spanish-speaking people.

Credits: 3

Lab Hours: 1

Lecture Hours: 3

Prerequisites:

SPAN 112

or demonstrated proficiency

Semester Offered: Fall

SPAN 212: Intermediate Spanish II

A thorough review of Spanish grammar through oral and written composition as well as cultural and literary readings. Attention is given to the history, customs, and traditions of the Spanish-speaking people.

Credits: 3

Lab Hours: 1

Lecture Hours: 3

Prerequisites:

SPAN 211

or demonstrated proficiency

Semester Offered: Spring

Music

Faculty/Staff

Devon Howard, Chair; Rogerio Nunes, Jonathan E. L. Wall

Adjunct: Dorla Aparicio, Maritza Caceres, William Chien, Sarah Choi, Jeff Hall, Samuel Hood, Steve Hubbard, Chuck Jennings, Marcin Parys, Dan Totan, Ron Wilson, James Winegardner

Aims of the Department

The students will develop the skills of listening, hearing, and identifying the elements of music.

The students will develop an understanding through music theory of the foundation of music and apply analytical skills to enrich performance.

The students will gain knowledge and understanding of music history and musical styles.

The students will be able to apply knowledge of musical styles and performance traditions to their repertoire.

The students will develop skills of technical presentation which will allow them to apply their knowledge of styles in a sensitive performance, both in solo and in ensemble work.

The students will learn methods and principles of music pedagogy.

Entrance Requirements

Incoming students in the Music Degree programs will be examined in two areas: practical piano skills and performance.

1. All incoming Majors and Minors must audition for the music faculty during the first week of their first semester in residence. There are three results to the incoming auditions: Admittance into the Music Department as a major or minor, Provisional Status (in which the student must take lessons and re-audition the following semester) and No Admittance.
2. A functional piano performance exam will be given to all incoming music majors. The details of the exam are given in the Piano Proficiency Folder and available upon request to any current or prospective student. If students are unable to pass the exam they are required to take piano lessons (MUPF 151) starting no later than the second semester in residence. Modification to the piano performance exam can be made in the event of physical handicap.
3. Success in Music Theory I (MUCT 111) requires basic background knowledge of music theory. Incoming

students with theory deficiencies are encouraged to study during the previous summer. The fundamentals of music may be learned online or through self-guided texts or software. Contact the Southwestern Adventist University music department for further information.

General Requirements for Music Majors

The guidelines found here are not intended to be exclusive or exhaustive. students should consult the Music Major Handbook which is available from the Music Department. Other than required courses which are found in the bulletin degree descriptions, the Music Major Handbook contains the policies by which the department is operated.

1. *Ensembles*: The music majors and minors are required to participate in an ensemble each semester in residence. The ensembles are Orchestra, Saxophone, Brass, and Woodwind for instrumentalists, and University Singers and Concert Choir for vocalists. Keyboard majors may choose according to their talents and interests.
2. *Recitals*: The music majors and minors are required to be active members of Southwestern's Recital series each semester in residence. The student's participation in the recitals will be contingent on their performance for the required masterclasses that precede each recital.
3. *Practice*: Majors will practice 150 hours per semester, while minors will practice 75 hours per semester in their major performance area. Weekly practice sheets detailing each practice are to be filled out and turned in at the beginning of each lesson.
4. *Private lessons*: The music majors and minors will take lessons each semester from one of the teachers at Southwestern Adventist University or one provided by the school. If lessons are taken from non-members of the Southwestern teaching faculty without permission, this will be considered grounds for dismissal from the program.
5. *Music Juries*: The music majors will perform each semester for the full-time music faculty. If their major performance professor is an adjunct teacher, that teacher will be included. A poor jury (Applied Music Examination) performance may result in the student being placed on probationary status as a music major or minor. Regular improvement is expected.
6. *Continuing status*: A student's acceptance into and official continuation in the music program is contingent upon the student's satisfactory academic and performance progress. A letter from the chair,

written in advisement with the major's performance teacher, will be placed in the student's file at the end of each school year, encouraging and/or noting areas needing improvement.

7. *Senior recital*: All music majors will perform a senior recital. This is normally given in the final semester of residence. A pre-senior recital, performed before the music faculty at least three weeks before the senior recital, is required. Music minors are encouraged to perform either a senior recital or joint recital at the discretion of their major instructor.
8. *Recital attendance*: Music majors and minors will attend all faculty, general student, guest and senior recitals. These dates will all be posted by the second week of the semester.
9. *Off-campus recitals*: The music major should plan to attend at least two approved off-campus recitals each semester, minors are required to attend one.

B.A. Music

Required Courses

Item #	Title	Credits
MUCT 111	Music Theory I	3
MUCT 121	Ear Training and Sight Singing I	1
MUCT 151	Music Theory II	3
MUCT 161	Ear Training and Sight Singing II	1
MUCT 221	Music Theory III	3
MUCT 251	Music Theory IV	3
	MUCT 315 or MUCT 414	3
MUED 280	Basic Conducting	2
	Music Ensemble (lower division)	2
	Music Ensemble (upper division)	2
	MUHL 321, 322, 323, and 324 Options	6
	Applied Music	7
MUPF 468	Senior Recital	1
	Total credits:	37

Bachelor of Music Education

Required Courses

Item #	Title	Credits
MUCT 111	Music Theory I	3
MUCT 121	Ear Training and Sight Singing I	1
MUCT 151	Music Theory II	3
MUCT 161	Ear Training and Sight Singing II	1
MUCT 221	Music Theory III	3
MUCT 251	Music Theory IV	3
MUCT 315	Form and Analysis	3
MUCT 414	Orchestration and Arranging	3
MUCT 420	Music Composition and Technology	3
MUED 253	Music in the School	3
MUED 280	Basic Conducting	2
MUED 390	Instrumental Conducting and Literature	3
MUED 391	Choral Conducting and Literature	3
MUED 475	Ensemble Management and Administration	1
	MUHL 321, 322, 323, and 324 Options	6
MUPF 200	Recital Attendance	0

Pedagogy: Choose four of the following

Item #	Title	Credits
MUED 275	Diction for Singers	2
MUED 321	Collaborative Piano	2
MUED 371	Percussion Methods & Pedagogy	2
MUED 372	Brass Methods & Pedagogy	2
MUED 373	String Methods & Pedagogy	2
MUED 374	Woodwind Methods & Pedagogy	2
MUED 451	Voice Methods & Pedagogy	2
MUED 452	Piano Methods & Pedagogy	2

Applied Music Lessons & Recital

Must be enrolled every semester in residence.

Item #	Title	Credits
	Applied Music	7
MUPF 468	Senior Recital	1

Ensembles

Item #	Title	Credits
	Music Ensemble (lower division)	2
	Music Ensemble (upper division)	2

Language/Communication

Item #	Title	Credits
ENGL 121	Freshman Composition	3
ENGL 220	Research Writing	3
	ENGL 231 or ENGL 232	3
COMM 113	Oral Interpretation	3

Health and Physical Education

Item #	Title	Credits
	Kinesiology General Education Requirement	2

Mathematics

Item #	Title	Credits
MATH 131	Applied Mathematics	3

Religion

These specific classes are required for SDA certification only. For those seeking only state certification, it is strongly recommended that students enroll for a minimum of one course each school year. Applied religion is not to exceed 3 credits; 3 of the religion credits must be upper division. Transfer students from non-SDA schools must have 3 hours of religion credit per 30 credits taken in residence at Southwestern, with a minimum of 6 hours. Religion classes taken prior to enrollment at Southwestern will be considered for transfer, at least 3 hours must be from an SDA school, and non-SDA religion classes taken after enrolling at SWAU will not be transferred.

Item #	Title	Credits
REL 101	Christian Beliefs	3
REL 201	Bible Study Methods	3
RELH 230	History of the Seventh-day Adventist Church	3
	RELB upper division (see advisor)	3

Social and Behavior Science

Item #	Title	Credits
HIST 111	United States History to 1865	3
HIST 112	United States History from 1865	3
PSYC 220	Human Growth and Development	3

Lab Science

Item #	Title	Credits
	Life and Physical Science General Education Requirement	8

TX State and NAD Education Certification

Item #	Title	Credits
EDUC 312	Educational Psychology	3
EDUC 326	Learners With Exceptionalities	3
EDUC 385	Philosophy of Christian Education	3
EDUC 434	Classroom Assessment	3
EDUC 436	Classroom Management	3
EDUC 450	Teaching in the Secondary School	3
EDUC 485	Directed Teaching in Secondary School	6
	Total credits:	134

Bachelor of Music

Required Courses

Item #	Title	Credits
MUCT 111	Music Theory I	3
MUCT 121	Ear Training and Sight Singing I	1
MUCT 151	Music Theory II	3
MUCT 161	Ear Training and Sight Singing II	1
MUCT 221	Music Theory III	3
MUCT 251	Music Theory IV	3
MUCT 315	Form and Analysis	3
MUCT 414	Orchestration and Arranging	3
MUCT 420	Music Composition and Technology	3
MUED 280	Basic Conducting	2
MUED 390	Instrumental Conducting and Literature	3
MUED 391	Choral Conducting and Literature	3
	MUED ** Technique & Pedagogy	2
	Music Ensemble (lower division)	2
	Music Ensemble (upper division)	2
MUHL 321	Music in the Middle Ages & Renaissance	2
MUHL 322	Music in the Late Renaissance & Baroque	2
MUHL 323	Classic & Romantic Music	2
MUHL 324	Music in the 20th and 21st Centuries	2
	Applied Music	7
MUPF 468	Senior Recital	1
	Total credits:	53

Minor in Music

Required Courses

Item #	Title	Credits
MUCT 111	Music Theory I	3
MUCT 121	Ear Training and Sight Singing I	1
MUCT 151	Music Theory II	3
MUCT 161	Ear Training and Sight Singing II	1
MUHL 221	Survey of Music	3
MUED 280	Basic Conducting	2
	MUED 390 or MUED 391	3
	MUED ** Technique & Pedagogy	2
	Music Ensemble (lower division)	2
	Applied Music	7
	Total credits:	27

Music Course Descriptions

MUCT 111: Music Theory I

An integrated study of harmony, keyboard harmony, form, and aural training, focusing mainly on common period tonal practice.

Credits: 3

Co-Requisites:

MUCT 121

Semester Offered: Fall

MUCT 121: Ear Training and Sight Singing I

The lab component to accompany Music Theory I.

Credits: 1

Co-Requisites:

MUCT 111

Semester Offered: Fall

MUCT 151: Music Theory II

A continuation of the concepts begun in MUCT 111, focusing mainly on Classical period style.

Credits: 3

Prerequisites:

MUCT 111

or permission of the instructor.

Co-Requisites:

MUCT 161

Semester Offered: Spring

MUCT 161: Ear Training and Sight Singing II

The lab component to accompany Music Theory II.

Credits: 1

Co-Requisites:

MUCT 151

Semester Offered: Spring

MUCT 221: Music Theory III

The study of harmony, form, and aural skills based on the chromatic style of the Romantic period.

Credits: 3

Prerequisites:

MUCT 151

or permission of the instructor

Semester Offered: Fall

MUCT 251: Music Theory IV

The study of harmony, form, and composition based on a wide variety of 20th century styles.

Credits: 3

Prerequisites:

MUCT 221

Semester Offered: Spring

MUCT 315: Form and Analysis

A study of musical form, both polyphonic and homophonic, covering the period of common practice and emphasizing the late Baroque and Classical periods.

Credits: 3

Prerequisites:

MUCT 251

MUCT 414: Orchestration and Arranging

A course focusing on the fundamentals of instrumentation and arranging for wind, string, and percussion instruments by learning the basic elements, such as timbres, range and techniques unique to each instrument or instrument group. Students will examine and analyze scores of orchestral instrumentations to be equipped with the tools needed to arrange for a variety of ensembles.

Credits: 3

Prerequisites:

MUCT 251

MUCT 420: Music Composition and Technology

A course focusing on smaller compositional forms, including ABA, theme and variation and sonatina, as they pertain to contemporary composition. Class will also include lectures on melodic and harmonic development, form, and listening to significant 20th century musical movements. The use of technology and its place in the classroom is studied and implemented into the core curriculum.

Credits: 3

Prerequisites:

MUCT 221

or permission of the instructor

Semester Offered: Fall

MUED 253: Music in the School

Music in the School is a class that focuses on the practical aspects of teaching music in a diverse classroom setting. Catering to the both elementary and secondary concentration areas, this course covers learning and teaching styles, theories and strategies and the ability to engage students in a mixed classroom environment. Students will also engage in activities designed to sharpen critical thinking as well as acquaint themselves with current trends in the discipline of music education. This course will help prepare beginning teachers to understand different aspects of diversity and how they can address these differences in their teaching.

Credits: 3

Semester Offered: Fall

MUED 275: Diction for Singers

Introduction to proper pronunciation necessary for singers. Students will learn the International Phonetic Alphabet as well as the basic principals of Italian, French, German and English diction.

Credits: 2

Co-Requisites:

Must be enrolled simultaneously in MUPF 131 or MUPF 331 (Applied Voice Lessons)

Semester Offered: Fall

MUED 280: Basic Conducting

The study and drill of basic conducting patterns and coordination of hand and baton techniques.

Credits: 2

Prerequisites:

MUCT 151

Semester Offered: Fall

MUED 321: Collaborative Piano

An introduction to teaching and performing through intermediate level. Performance techniques, pedagogical methods and materials, maintenance and practical teaching experience. (Offered on alternating years)

Credits: 2

Prerequisites:

MUCT 151

MUED 371: Percussion Methods & Pedagogy

An introduction to teaching and performing through intermediate level. Performance techniques, pedagogical methods and materials, maintenance and practical teaching experience. (Offered on alternating years)

Credits: 2

Prerequisites:

MUCT 151

MUED 372: Brass Methods & Pedagogy

An introduction to teaching and performing through intermediate level. Performance techniques, pedagogical methods and materials, maintenance and practical teaching experience. (Offered on alternating years)

Credits: 2

Prerequisites:

MUCT 151

MUED 373: String Methods & Pedagogy

An introduction to teaching and performing through intermediate level. Performance techniques, pedagogical methods and materials, maintenance and practical teaching experience. (Offered on alternating years)

Credits: 2

Prerequisites:

MUCT 151

MUED 374: Woodwind Methods & Pedagogy

An introduction to teaching and performing through intermediate level. Performance techniques, pedagogical methods and materials, maintenance and practical teaching experience. (Offered on alternating years)

Credits: 2

Prerequisites:

MUCT 151

MUED 390: Instrumental Conducting and Literature

Conducting patterns applied to elements of interpretation. Emphasis on score reading, rehearsal techniques, and conducting problems. Practical application in active musical organizations & literature study.

Credits: 3

Prerequisites:

MUED 280

MUED 391: Choral Conducting and Literature

The study of choral repertoire from all periods as well as emphasis on score reading, rehearsal techniques, and conducting problems with regard to choral ensembles.

Credits: 3

Prerequisites:

MUED 280

Semester Offered: Spring

MUED 451: Voice Methods & Pedagogy

An introduction to teaching and performing through intermediate level. Performance techniques, pedagogical methods and materials, maintenance and practical teaching experience. (Offered on alternating years)

Credits: 2

Prerequisites:

MUCT 151

MUED 452: Piano Methods & Pedagogy

An introduction to teaching and performing through intermediate level. Performance techniques, pedagogical methods and materials, maintenance and practical teaching experience. (Offered on alternating years)

Credits: 2

Prerequisites:

MUCT 151

MUED 475: Ensemble Management and Administration

The study of ensemble development, recruitment, concert planning, marketing, touring, rehearsing and other logistics in both choral and instrumental settings.

Credits: 1

Co-Requisites:

To be taken with Student Teaching & Classroom Management.

Semester Offered: Spring

MUEN 113: University Singers

An ensemble fee of \$50 is applied to all participating students.

Credits: 1

Prerequisites:

Permission of instructor

Semester Offered: Fall

Spring

MUEN 115: Concert Choir

An ensemble fee of \$50 is applied to all participating students.

Credits: 1

Prerequisites:

Permission of instructor

Semester Offered: Fall

Spring

MUEN 123: Piano Ensemble

An ensemble fee of \$50 is applied to all participating students.

Credits: 1

Prerequisites:

Permission of instructor

Semester Offered: Fall

Spring

MUEN 133: Chamber Music

An ensemble fee of \$50 is applied to all participating students.

Credits: 1

Prerequisites:

Permission of instructor

Semester Offered: Fall

Spring

MUEN 135: Saxophone Ensemble

The Saxophone Ensemble is focused on the performance of saxophone music from all eras. Students will explore such topics as scholarly performance practice, historical relevance and importance of literature and composers, and performance techniques necessary for participation in a saxophone ensemble.

Credits: 1

Prerequisites:

Permission of instructor.

MUEN 145: Symphony Orchestra

An ensemble fee of \$50 is applied to all participating students.

Credits: 1

Prerequisites:

Permission of instructor

Semester Offered: Fall

Spring

MUEN 153: Southwestern Brass

An ensemble fee of \$50 is applied to all participating students.

Credits: 1

Prerequisites:

Permission of instructor

Semester Offered: Fall

Spring

MUEN 313: University Singers

An ensemble fee of \$50 is applied to all participating students.

Credits: 1

Prerequisites:

Permission of instructor.

Semester Offered: Fall

Spring

MUEN 315: Concert Choir

An ensemble fee of \$50 is applied to all participating students.

Credits: 1

Prerequisites:

Permission of instructor.

Semester Offered: Fall

Spring

MUEN 323: Piano Ensemble

An ensemble fee of \$50 is applied to all participating students.

Credits: 1

Prerequisites:

Permission of instructor.

Semester Offered: Fall

Spring

MUEN 333: Chamber Music

An ensemble fee of \$50 is applied to all participating students.

Credits: 1

Prerequisites:

Permission of instructor.

Semester Offered: Fall

Spring

MUEN 335: Saxophone Ensemble

The Saxophone Ensemble is focused on the performance of saxophone music from all eras. Students will explore such topics as scholarly performance practice, historical relevance and importance of literature and composers, and performance techniques necessary for participation in a saxophone ensemble.

Credits: 1

Prerequisites:

Permission of instructor.

MUEN 345: Symphony Orchestra

An ensemble fee of \$50 is applied to all participating students.

Credits: 1

Prerequisites:

Permission of instructor.

Semester Offered: Fall

Spring

MUEN 353: Southwestern Brass

An ensemble fee of \$50 is applied to all participating students.

Credits: 1

Prerequisites:

Permission of instructor.

Semester Offered: Fall

Spring

MUHL 221: Survey of Music

Music in western civilization including music fundamentals and a brief history from antiquity to the present.

Presented by recordings, visuals, and lectures.

Credits: 3

Semester Offered: Spring

MUHL 321: Music in the Middle Ages & Renaissance

A study of the history, style, and musical forms of the Middle Ages and Renaissance periods. Music analysis and listening assignments will supplement lectures. An introduction to the library research skills used in the field of teaching and the use of primary and secondary sources including the use of online databases, as well as publication styles.

Credits: 2

Prerequisites:

MUCT 251

Semester Offered: Fall

MUHL 322: Music in the Late Renaissance & Baroque

A study of the history, style, and musical forms of the Late Renaissance and Baroque periods. Music analysis and listening assignments will supplement lectures. An introduction to the library research skills used in the field of teaching and the use of primary and secondary sources including the use of online databases will be discussed, as well as publication styles.

Credits: 2

Prerequisites:

MUHL 321

Semester Offered: Spring

MUHL 323: Classic & Romantic Music

A study of the history, style, and musical forms of the Classic and Romantic periods. Music analysis and listening assignments will supplement lectures. An introduction to the library research skills used in the field of teaching and the use of primary and secondary sources including the use of online databases will be discussed, as well as publication styles.

Credits: 2

Prerequisites:

MUHL 322

Semester Offered: Fall

MUHL 324: Music in the 20th and 21st Centuries

A study of the history, style, and musical forms of the 20th and 21st Centuries. Music analysis and listening assignments will supplement lectures. An introduction to the library research skills used in the field of teaching and the use of primary and secondary sources including the use of online databases will be discussed, as well as publication styles.

Credits: 2

Prerequisites:

MUHL 323

Semester Offered: Spring

MUHL 355: Survey of Christian Worship

A survey of the general history and development of the Christian liturgy, with a special focus on the unique development of the Adventist liturgy. The course will examine the roles that music, art, theology, and culture play in Christian worship. The course will include recordings, visuals, lectures, and field trips (Also taught as RELT 355 and HNRS 355).

Credits: 3

Semester Offered: Fall

MUPF 111: Strings

Private instruction with major teacher in piano, voice, organ, brass woodwinds, percussion, and strings are to be taken on a weekly basis.

Credits: 1

Semester Offered: Fall

Spring

MUPF 131: Voice

Private instruction with major teacher in piano, voice, organ, brass woodwinds, percussion, and strings are to be taken on a weekly basis.

Credits: 1

Semester Offered: Fall

Spring

MUPF 141: Brass

Private instruction with major teacher in piano, voice, organ, brass woodwinds, percussion, and strings are to be taken on a weekly basis.

Credits: 1

Semester Offered: Fall

Spring

MUPF 151: Piano

Private instruction with major teacher in piano, voice, organ, brass woodwinds, percussion, and strings are to be taken on a weekly basis.

Credits: 1

Semester Offered: Fall

Spring

MUPF 161: Organ

Private instruction with major teacher in piano, voice, organ, brass woodwinds, percussion, and strings are to be taken on a weekly basis.

Credits: 1

Prerequisites:

Organ lessons with instructor's permission.

Semester Offered: Fall

Spring

MUPF 171: Woodwinds

Private instruction with major teacher in piano, voice, organ, brass woodwinds, percussion, and strings are to be taken on a weekly basis.

Credits: 1

Semester Offered: Fall

Spring

MUPF 182: Percussion

Private instruction with major teacher in piano, voice, organ, brass woodwinds, percussion, and strings are to be taken on a weekly basis.

Credits: 1

Semester Offered: Fall

Spring

MUPF 191: Guitar

Private instruction with major teacher in piano, voice, organ, brass woodwinds, percussion, and strings are to be taken on a weekly basis.

Credits: 1

Semester Offered: Fall

Spring

MUPF 200: Recital Attendance

Credits: 0

Semester Offered: Fall

Spring

MUPF 211: Strings

Private instruction with major teacher in piano, voice, organ, brass woodwinds, percussion, and strings are to be taken on a weekly basis.

Credits: 1

Semester Offered: Fall
Spring

MUPF 231: Voice

Private instruction with major teacher in piano, voice, organ, brass woodwinds, percussion, and strings are to be taken on a weekly basis.

Credits: 1

Semester Offered: Fall
Spring

MUPF 241: Brass

Private instruction with major teacher in piano, voice, organ, brass woodwinds, percussion, and strings are to be taken on a weekly basis.

Credits: 1

Semester Offered: Fall
Spring

MUPF 251: Piano

Private instruction with major teacher in piano, voice, organ, brass woodwinds, percussion, and strings are to be taken on a weekly basis.

Credits: 1

Semester Offered: Fall
Spring

MUPF 261: Organ

Private instruction with major teacher in piano, voice, organ, brass woodwinds, percussion, and strings are to be taken on a weekly basis.

Credits: 1

Prerequisites:

Organ lessons with instructor's permission.

Semester Offered: Fall
Spring

MUPF 271: Woodwinds

Private instruction with major teacher in piano, voice, organ, brass woodwinds, percussion, and strings are to be taken on a weekly basis.

Credits: 1

Semester Offered: Fall
Spring

MUPF 282: Percussion

Private instruction with major teacher in piano, voice, organ, brass woodwinds, percussion, and strings are to be taken on a weekly basis.

Credits: 1

Semester Offered: Fall
Spring

MUPF 291: Guitar

Private instruction with major teacher in piano, voice, organ, brass woodwinds, percussion, and strings are to be taken on a weekly basis.

Credits: 1

Semester Offered: Fall
Spring

MUPF 311: Strings

Private instruction with major teacher in piano, voice, organ, brass woodwinds, percussion, and strings are to be taken on a weekly basis.

Credits: 1

Prerequisites:

Prerequisite for 300/400 level courses: 2 semester credit at 100/200 level in the same performance area.

Semester Offered: Fall
Spring

MUPF 331: Voice

Private instruction with major teacher in piano, voice, organ, brass woodwinds, percussion, and strings are to be taken on a weekly basis.

Credits: 1

Prerequisites:

Prerequisite for 300/400 level courses: 2 semester credit at 100/200 level in the same performance area.

Semester Offered: Fall
Spring

MUPF 341: Brass

Private instruction with major teacher in piano, voice, organ, brass woodwinds, percussion, and strings are to be taken on a weekly basis.

Credits: 1

Prerequisites:

Prerequisite for 300/400 level courses: 2 semester credit at 100/200 level in the same performance area.

Semester Offered: Fall
Spring

MUPF 351: Piano

Private instruction with major teacher in piano, voice, organ, brass woodwinds, percussion, and strings are to be taken on a weekly basis.

Credits: 1

Prerequisites:

Prerequisite for 300/400 level courses: 2 semester credit at 100/200 level in the same performance area.

Semester Offered: Fall
Spring

MUPF 361: Organ

Private instruction with major teacher in piano, voice, organ, brass woodwinds, percussion, and strings are to be taken on a weekly basis.

Credits: 1

Prerequisites:

Prerequisite for 300/400 level courses: 2 semester credit at 100/200 level in the same performance area. Organ lessons with instructor's permission.

Semester Offered: Fall
Spring

MUPF 371: Woodwinds

Private instruction with major teacher in piano, voice, organ, brass woodwinds, percussion, and strings are to be taken on a weekly basis.

Credits: 1

Prerequisites:

Prerequisite for 300/400 level courses: 2 semester credit at 100/200 level in the same performance area.

Semester Offered: Fall

Spring

MUPF 382: Percussion

Private instruction with major teacher in piano, voice, organ, brass woodwinds, percussion, and strings are to be taken on a weekly basis.

Credits: 1

Prerequisites:

Prerequisite for 300/400 level courses: 2 semester credit at 100/200 level in the same performance area.

Semester Offered: Fall

Spring

MUPF 391: Guitar

Private instruction with major teacher in piano, voice, organ, brass woodwinds, percussion, and strings are to be taken on a weekly basis.

Credits: 1

Prerequisites:

Prerequisite for 300/400 level courses: 2 semester credit at 100/200 level in the same performance area.

Semester Offered: Fall

Spring

MUPF 411: Strings

Private instruction with major teacher in piano, voice, organ, brass woodwinds, percussion, and strings are to be taken on a weekly basis.

Credits: 1

Prerequisites:

Prerequisite for 300/400 level courses: 2 semester credit at 100/200 level in the same performance area.

Semester Offered: Fall

Spring

MUPF 431: Voice

Private instruction with major teacher in piano, voice, organ, brass woodwinds, percussion, and strings are to be taken on a weekly basis.

Credits: 1

Prerequisites:

Prerequisite for 300/400 level courses: 2 semester credit at 100/200 level in the same performance area.

Semester Offered: Fall

Spring

MUPF 441: Brass

Private instruction with major teacher in piano, voice, organ, brass woodwinds, percussion, and strings are to be taken on a weekly basis.

Credits: 1

Prerequisites:

Prerequisite for 300/400 level courses: 2 semester credit at 100/200 level in the same performance area.

Semester Offered: Fall

Spring

MUPF 451: Piano

Private instruction with major teacher in piano, voice, organ, brass woodwinds, percussion, and strings are to be taken on a weekly basis.

Credits: 1

Prerequisites:

Prerequisite for 300/400 level courses: 2 semester credit at 100/200 level in the same performance area.

Semester Offered: Fall

Spring

MUPF 461: Organ

Private instruction with major teacher in piano, voice, organ, brass woodwinds, percussion, and strings are to be taken on a weekly basis.

Credits: 1

Prerequisites:

Prerequisite for 300/400 level courses: 2 semester credit at 100/200 level in the same performance area. Organ lessons with instructor's permission.

Semester Offered: Fall

Spring

MUPF 468: Senior Recital

The final semester of applied music lessons for the music major, culminating in the senior recital. Instrumental students will perform in Baroque, Classic, Romantic, and 20th Century styles. Singers will perform in a minimum of three languages. Pass/Fail. Eligible for IP grading.

Credits: 1

Semester Offered: Fall

Spring

MUPF 471: Woodwinds

Private instruction with major teacher in piano, voice, organ, brass woodwinds, percussion, and strings are to be taken on a weekly basis.

Credits: 1

Prerequisites:

Prerequisite for 300/400 level courses: 2 semester credit at 100/200 level in the same performance area.

Semester Offered: Fall

Spring

MUPF 482: Percussion

Private instruction with major teacher in piano, voice, organ, brass woodwinds, percussion, and strings are to be taken on a weekly basis.

Credits: 1

Prerequisites:

Prerequisite for 300/400 level courses: 2 semester credit at 100/200 level in the same performance area.

Semester Offered: Fall

Spring

MUPF 491: Guitar

Private instruction with major teacher in piano, voice, organ, brass woodwinds, percussion, and strings are to be taken on a weekly basis.

Credits: 1

Prerequisites:

Prerequisite for 300/400 level courses: 2 semester credit at 100/200 level in the same performance area.

Semester Offered: Fall

Spring

MUSC 298: Individual Study Topics

Designed for the student who wishes to do independent study or research. Content and methods of study must be arranged prior to registration. May be repeated for a total of 2 credits.

Credits: 1-2

Prerequisites:

Approval by department chair

MUSC 299: Directed Group Study Topics

Provides academic departments an opportunity to offer courses in specialized or experimental areas, either lower or upper division, not listed in the undergraduate *Bulletin*. May be repeated for a total of 3 credits.

Credits: 1-3

Prerequisites:

Approval by department chair

MUSC 492: Music Internship

An on-the-job, career-oriented internship program for advanced training in the following areas: conducting, accompanying, church music, school music, professional music (such as concert hall, orchestra, symphonic chorus), and private studio. The internship is limited to those students who are in their senior year of study. May be repeated for a total of 3 credits. Eligible for IP grading.

Credits: 1-3

Prerequisites:

Permission of department chair

MUSC 498: Individual Study Topics

Designed for the student who wishes to do independent study or research. Content and methods of study must be arranged prior to registration. May be repeated for a total of 2 credits.

Credits: 1-2

Prerequisites:

Approval by department chair

MUSC 499: Directed Group Study Topics

Provides academic departments an opportunity to offer courses in specialized or experimental areas, either lower or upper division, not listed in the undergraduate *Bulletin*. Student may be allowed to repeat the course for credit.

Credits: 1-3

Prerequisites:

Approval by department chair

Non Departmental

UNIV 011: University Strategies

A review of strategies necessary to have a successful university experience. Required of all students on Academic Probation or Academic Suspension. Students may not withdraw from this course, and it does not apply towards graduation requirements. Pass/no pass course.

Credits: 1

UNIV 103: Experiential Program

This course is designed to allow the student missionary, taskforce worker, or summer colporter to serve in the field and, in combination with **UNIV 211**, maintain full-time enrollment. By this the University recognizes the legitimate educational value of this experience. Credit does not apply towards graduation requirements.

Credits: 6

UNIV 201: Research in an Academic Discipline

This course is an introduction to the types and purposes of research within an academic discipline. Emphasis will be on library research and sources, including the nature of sources, their correct use, scholarly writing principles within a specific academic discipline, discipline-specific documentation rules, and critical thinking problems. Students will begin the process of senior portfolio development. (Academic Departments may designate a particular class to fulfill this requirement.)

Credits: 1

UNIV 211: Field Experience

Through this course, the student missionary or taskforce worker will earn 6 hours of credit per semester while serving in the field. A maximum of 12 hours of credit may be earned, and will be applied as elective credit toward graduation. This course is monitored by the campus chaplain, and students must make financial arrangements for this course before leaving campus. Pass/no pass course.

Credits: 6

UNIV 230: Prior Learning Assessment

This course will guide a student through the prior learning assessment process and assist him or her in developing an assessment portfolio. The portfolio will describe and document specific areas of prior college-level learning achieved through work and life experiences. The completed portfolio includes a student profile section, individual learning components, course credit petitions, and learning documentation. This course is available on-line through SWAUonline.

Credits: 1

Prerequisites:

Admission to the SWAUonline Program

Nursing

Faculty/Staff

Kerrie Kimbrow, AdventHealth Endowed Chair; Jean Alway, Marcia Azevedo, Lakicia Foster, Terri Gibson, Bonnie Gnadt, Curriculum Coordinator; Joyce Melius, Ronald Mitchell, Rima Seaman, Ann Smith, RN-BS Program Coordinator

Candy Harvey, Office Manager/Clinical Coordinator

Mission

The mission of the Southwestern Adventist University Department of Nursing is to prepare caring and competent generalists in the profession of nursing with a Christian perspective of a liberal arts foundation, a sense of mission grounded in applied Christian beliefs, and a professional practice built on natural, behavioral, and nursing sciences. The program fosters an environment that facilitates development of students who engage in civic and professional accountability, critical inquiry, and the pursuit of life-long learning.

Accreditation

The baccalaureate degree program in nursing at Southwestern Adventist University is accredited by the Commission on Collegiate Nursing Education, 655 K Street NW, Suite 750, Washington, DC 20001, 202-887-6791

The baccalaureate degree program in nursing at Southwestern Adventist University is fully approved by the Board of Nursing for the State of Texas, 333 Guadalupe #3-460, Austin, TX 78701, 512-305-7400.

BS Nursing & LVN to BS Admission and Program Information

Application Process

All Application materials must be submitted to the Admissions Office by the application deadline: April 1 for fall admission and September 1 for spring admission. Late applications and incomplete files will not be considered.

1. **Apply Online** to Southwestern Adventist University
2. **Obtain two professional references** from teachers, employers, and/or church pastor, which attest to professional competence, scholastic ability, emotional stability, and physical health. Forms may be printed from the website or obtained from the

Nursing Department. Send completed forms to the Admissions Office, Southwestern Adventist University, 100 W. Hillcrest Street, Keene, TX 76059.

3. **Send official transcripts from all schools attended** (high school, colleges and/or universities) to Southwestern Adventist University Admissions Office.
4. **Successfully complete at least 48 semester hours of nursing prerequisites, nursing cognate, and general education requirements.** Courses in progress may be included.
5. **Successfully complete the ATI TEAS Nursing Admission Exam with a score of proficient level or higher. Register for the TEAS Exam:** [<http://www.atitesting.com/>] and select Southwestern Adventist University. Call 817-202-6658 for testing dates if not listed. An official TEAS transcript must be sent directly from ATI to the SWAU Nursing Department if the exam is not taken at SWAU.

NOTE: In compliance with the Texas State Board of Nursing policy, completion of the Nursing Program does not guarantee eligibility for the registered nurse license exam (NCLEX). An individual who may be ineligible for licensure due to physical/emotional disabilities or past criminal convictions which are likely to affect professional practice and/or behavior should seek departmental and/or legal advising prior to enrolling in any professional nursing program in Texas.

Admission Criteria

1. Meet all admission requirements for enrollment at Southwestern Adventist University.
2. Complete all the steps in the Nursing Application Process.
3. Successfully complete the Nursing pre-requisite courses (36 credits):
 - **BIOL 220 Microbiology*** (4 semester credits with lab)
 - **BIOL 101 and BIOL 102 Anatomy and Physiology I and II*** (8 semester credits with lab)
 - **CHEM 105 Survey of Chemistry*** (4 semester credits with lab)
 - **ENGL 121 Freshman Composition** (3 semester credits)
 - **ENGL 220 Research Writing** (3 semester credits)
 - History Electives (6 semester credits)
 - **MATH 141 Introduction to Probability and Statistics** (3 semester credits)
 - **PSYC 212 General Psychology*** (3 semester credits)
 - **PSYC 220 Human Growth and Development*** (3 semester credits)
 - **SOCI 111 Intro to Sociology** (3 semester credits)
4. Maintain a cumulative college GPA of at least 3.0 on a 4.0 scale.
5. Successfully complete the ATI TEAS Nursing Admission Exam with a score of proficient level or higher.

*Completed within the last 7 years with a minimum grade of a C or better.

Student Selection

Admission to Southwestern Adventist University Nursing Program is limited, with a new group admitted each Fall and Spring semesters. To be considered for admission, an applicant must successfully complete all requirements and submit all documents and forms. Guaranteed admission is granted to students who have taken all their academic courses at Southwestern Adventist University and meet admission requirements – cumulative college GPA 3.0 or higher and overall TEAS score proficient or higher. Transfer students are considered according to the following factors, with the most qualified applicants given first consideration.

1. Cumulative GPA (Cumulative GPA must be 3.0 or higher)
2. ATI TEAS Admission Exam score (Overall TEAS score must be proficient level or higher)
3. Seventh-day Adventist applicants who meet the admission criteria

Admission Process

After receipt of the letter of admission to the Nursing Program, applicants must complete additional requirements to confirm and retain their place in the class.

1. **\$200 Non-Refundable Nursing Deposit, paid to the Admissions Office by published deadline, to reserve a place in the upcoming class.**
2. **Criminal Background Check as required by the Texas Board of Nursing.** Instructions will be provided following admission.
3. **Orientation:** All newly admitted nursing students are required to attend the nursing orientation on the Thursday prior to the beginning of the semester. Failure to attend will forfeit admission to the program.
4. **Uniforms** are to be purchased from the designated provider. Fitting and ordering will be completed during nursing orientation.
5. **Drug Testing** will take place during the first semester. A fee of \$39 will be payable at that time.
6. **Background checks as required by clinical facilities** will be completed during the first semester. A fee of \$40 will be payable at that time.

The following immunization and clinical requirements must be completed and uploaded to CastleBranch, SWAU's compliance management company, prior to Nursing Orientation. Instructions will be provided following admission.

Physician Report of Physical Examination. Forms may be printed from the SWAU nursing website or obtained from the Nursing Department.

Continuing Immunization Requirements

Proof of immunizations:

1. Tetanus/Diphtheria/Pertussis immunization or proof of immunity/positive titer.
2. Two doses of Measles, Mumps, Rubella (MMR) immunization or proof of immunity/positive titer.
3. Two doses of Varicella (chicken pox) immunization or proof of immunity/positive titer.
4. Hepatitis B immunization series (3 immunizations), or proof of immunity/positive titer.
5. Annual flu vaccine before posted date.

Tuberculosis clearance:

Negative TB Skin test (PPD), QuantiFERON blood test, or chest x-ray annually.

CPR Requirement

CPR for the Healthcare Provider (American Heart Association) Basic Life Support (BLS)

Licensed Vocational Nurse Applicants (LVN-BS Nursing)

The licensed vocational nurse who wishes placement with advanced standing to earn a B.S. degree in nursing must:

- Currently, hold an unencumbered license as an LVN/ LPN.
- Have at least one year of work experience as an LVN/ LPN in a hospital or long-term care facility within the last 4 years.
- Fulfill the admission criteria and prerequisites for the B.S. program. General education, science, and cognate requirements are met through transfer of credit or completion of courses in residence. Credits for NURS 221 and NURS 315 (clinical portion) may be awarded by validation of LVN course work.

Bachelor of Science Applicants/Transfer Students from Another School of Nursing

The student transferring from another school of nursing must follow the application process outlined for the nursing program and submit a letter of good standing from the dean/director of the previous nursing program. If accepted, the student will enter the B.S. degree plan at the place determined by the Nursing Department and Registrar's Office.

Nursing Policies

Continuation and Progression Policies

All nursing students must read and abide by the rules set forth in the SWAU Department of Nursing Student Handbook, and sign the Nursing Student Agreement.

1. Nursing students are required to meet the curriculum and progression guidelines published in the most recent edition of the *University Bulletin*.
2. The Department of Nursing reserves the right to require withdrawal of a nursing student from the program or a nursing course who fails to demonstrate competency or academic integrity and/

or displays inappropriate/unprofessional/dishonest or unsafe behavior. Additional criteria for continuation in the program are consistent with the standards of the Texas Board of Nursing (BON).

3. Students must maintain a cumulative nursing GPA of at least 2.5 in required nursing courses to progress in nursing and to graduate. No grade lower than 75% (C) will be accepted in nursing and nursing cognate courses. Students whose nursing GPA falls below 2.5 at any time during the program must raise their nursing GPA to 2.5 or better in the next semester to continue in the program. If the nursing GPA remains below 2.5 for a second semester, the student will be required to repeat a nursing course (including clinical), specified by the Nursing Faculty Committee to raise the nursing GPA to 2.5 or above. Students who repeat a nursing course to raise their nursing GPA must re-enroll in the course within one year. If the nursing GPA remains below 2.5 after the repeated nursing course, the student will be permanently dropped from the program.
4. Students are allowed only one repeated nursing course (this policy does not include NURS 450 Nursing Capstone).
5. Students are allowed only one nursing course withdrawal, which must be withdrawn by the university withdrawal date.
6. All nursing courses are to be completed within a six-year time frame.
7. Students must complete all nursing courses at Southwestern Adventist University. Exceptions to this policy will be evaluated on an individual basis.
8. LVN students must maintain current unencumbered Texas licensure throughout their enrollment in the nursing program.
9. LVN students must complete nursing courses in the sequence specified in the full-time degree plan.
10. After acceptance but before the first clinical, all students must submit to and pay for a background check and drug screen completed through the Nursing Department's compliance management company, CastleBranch. Proof of required immunizations, TB test, and CPR documentation must also be submitted to CastleBranch prior to Nursing Orientation and updated to remain current throughout the Nursing Program.
11. All nursing students must meet all functional abilities necessary for clinical practice as outlined in the SWAU Nursing Student Handbook.
12. Students must pass a medication dosage calculation exam at the beginning of Medical Surgical Nursing I, II, III, and IV, with a minimum of 95% within three attempts. This must be completed by the end of the 2nd week of school. If a student is unable to successfully pass this exam, remediation will be assigned by the course instructor and clinical experiences may be impacted.
13. Students who fail or withdraw from a required NURS course cannot enroll in further nursing courses, except for the following which allows continuation: NURS 227 Gerontological Nursing, NURS 321

Evidence-based Practice, and NURS 426 Nursing Leadership. Students may repeat the failed/dropped course on a space available basis.

14. Students must successfully complete all NCLEX review components as outlined in the NURS 450 Nursing Capstone syllabus. A probability score of at least 94% on the comprehensive NCLEX predictor exam, along with nursing program completion, is required for NCLEX release to the Board of Nursing. Students who score below 94% on the NCLEX predictor exam are required to complete 100% of Virtual ATI and encouraged to achieve green light, along with nursing program completion, before NCLEX release to the Board of Nursing. An extension of Virtual ATI beyond the twelve-week program is at the student's expense.
15. In order to support student success, nursing graduates are required to take NCLEX within three months of NURS 450 Nursing Capstone course completion. Graduates who fail to meet this deadline must complete an approved remediation program prior to NCLEX release. Remediation costs are the responsibility of the graduate.

Termination Policy

The following situations or conditions will result in termination from the nursing program:

- Unsafe, unethical, or unprofessional nursing practice
- Failure to abide by the SWAU Nursing Student Handbook
- Unresolved issues with the drug screen and background checks

Readmission Policy

Students who fail to complete a nursing course, or for any reason are out of the program for one or more semesters, must reapply to the nursing program. Readmission is not guaranteed and space for re-entering students may be limited.

Readmission is possible for nursing students who left the program in good standing and according to the nursing progression criteria. A new background check and drug screen must be completed and approved as part of the readmission process. Students who have been out of the program will return under the current bulletin at a point in the program specified by the Nursing Faculty Committee. All nursing courses must be completed within six years.

Transportation Policies

Students are expected to provide their own transportation to and from off-campus clinical labs. Faculty will not provide transportation. Students are advised not to transport patients in their own vehicles under any circumstances. This policy protects both the student and the patient. Texas law requires proof of automobile liability insurance.

Student Rights and Appeals Policy

The Nursing Department abides by the student rights and appeals policy as outlined in the University *Bulletin*.

RN to BS Nursing Admissions & Program Information

RN to BS Nursing

The registered nurse with an Associate of Science degree or a diploma in nursing may complete a Bachelor of Science degree in Nursing at Southwestern Adventist University in a minimum of five eight-week modules, or over a longer period of time. [The RN to BS in Nursing program is fully online.](#)

Admission Criteria – RN to BS Program

1. Meet all admission requirements for enrollment at Southwestern Adventist University.
2. Complete all steps in the Nursing Application Process.
3. Complete all Nursing pre-requisite courses (21 credits) with a grade of C or better:
 - **BIOL 101 & BIOL 102** Anatomy and Physiology I and II (8 semester credits with lab)
 - **BIOL 220** Microbiology (4 semester credits with lab)
 - **SOCI 111** Sociology (3 semester credits)
 - **MATH 141** Introduction to Probability and Statistics (3 semester credits)
 - **PSYC 220** Human Growth and Development (3 semester credits)
4. Completion of an Associate of Science degree or Diploma Nursing program from an accredited college or university in the United States, including Texas baccalaureate general education core requirement (or core requirement from another state).
5. Successfully complete a minimum of 84 semester credits prior to enrolling in the RN to BS program (it may be possible to take 6 of these credits concurrently).
6. Minimum cumulative GPA of 2.5
7. Active unencumbered RN license, or temporary RN permit, or RN licensure within 3 months of graduating from an Associate of Science degree or Diploma program. RN license must be in the state(s) in which the student participates in any clinical learning experience.

Admission Process – RN to BS Program

All Application materials must be submitted to the Admissions Office by published deadlines.

1. **Apply Online** to Southwestern Adventist University
2. Obtain **two professional references** (one must be from nursing supervisor if applicant is working in nursing), which attest to professional competence,

scholastic ability, emotional stability, and physical health. Forms may be printed from the website or obtained from the Nursing Department. Send completed forms to the Admissions Office, Southwestern Adventist University, 100 W. Hillcrest Street, Keene, TX 76059.

3. Send official transcripts from all schools attended (high school, colleges and/or universities) to Southwestern Adventist University Admissions Office.

Nursing Policies – RN to BS Program

Continuation and Progression Policies

1. Nursing students are required to meet the curriculum and progression guidelines published in the most recent edition of the *University Bulletin*.
2. The Department of Nursing reserves the right to require withdrawal of a nursing student from the program or a nursing course who fails to demonstrate competency or academic integrity and/or displays inappropriate/unprofessional/dishonest or unsafe behavior. Additional criteria for continuation in the program are consistent with the standards of the Texas Board of Nursing (BON).
3. Students must maintain a cumulative nursing GPA of at least 2.5 in required nursing courses to progress in nursing and to graduate. No grade lower than 75% (C) will be accepted in nursing and nursing cognate courses. Students whose nursing GPA falls below 2.5 at any time during the program must raise their nursing GPA to 2.5 or better in the next semester to continue in the program. If the nursing GPA remains below 2.5 for a second semester, the student will be required to repeat a nursing course specified by the Nursing Faculty Committee to raise the nursing GPA to 2.5 or above. Students who repeat a nursing course to raise their nursing GPA must re-enroll in the course within one year. If the nursing GPA remains below 2.5 after the repeated nursing course, the student will be permanently dropped from the program.
4. Students are allowed only one repeated nursing course.
5. Students are allowed only one nursing course withdrawal, which must be withdrawn by the university withdrawal date.
6. All nursing courses are to be completed within a six-year time frame.
7. Students must complete all nursing courses at Southwestern Adventist University.
8. Students must maintain current unencumbered RN licensure in the U.S. throughout their enrollment in the RN-BS nursing program.
9. Before participating in any clinical experience, students who are not currently employed as a RN must submit to and pay for a background check and drug screen completed through the Nursing Department's compliance management company, CastleBranch. Proof of required immunizations, TB test, and CPR documentation must also be submitted

to CastleBranch. For students who are currently employed as a RN, employment will be verified through their Human Resources Department prior to the start of their clinical experience.

- Clinical uniform includes professional attire with a white lab jacket and SWAU student ID badge.

Immunization Requirements

- Tetanus/Diphtheria/Pertussis immunization or proof of immunity/positive titer.
- Two doses of Measles, Mumps, Rubella (MMR) immunization or proof of immunity/positive titer.
- Two doses of Varicella (chicken pox) immunization or proof of immunity/positive titer.
- Hepatitis B immunization series (3 immunizations), or proof of immunity/positive titer.
- Annual flu vaccine before posted date.

Tuberculosis clearance:

Negative TB Skin test (PPD), Quantiferon Gold blood test, or chest x-ray, annually.

Termination Policy

The following situations or conditions will result in termination from the nursing program:

- Unsafe, unethical, or unprofessional nursing practice
- Failure to abide by the SWAU Nursing Student Handbook
- Unresolved issues with the drug screen and background checks

Readmission Policy

- Students who are out of the program for more than two semesters must reapply to the program. Readmission is not guaranteed and space for re-entering students may be limited.

Readmission is possible for nursing students who left the program in good standing and according to the nursing progression criteria. Students who have been out of the program will return under the current bulletin. All nursing courses must be completed within six years.

B.S. Nursing

Note: Nursing students fulfill the writing component of the English requirement with NURS 321 and NURS 426. Competence in computer applications and communications is fulfilled in nursing courses throughout the curriculum. The General Education degree requirements for communication and computer courses are therefore waived for nursing students.

Major Requirements

Item #	Title	Credits
NURS 212	Physical Assessment	3
NURS 221	Fundamentals of Nursing	6
NURS 227	Gerontological Nursing	3
NURS 313	Pathophysiology	3
NURS 315	Medical Surgical Nursing I	5
NURS 317	Pharmacology	3
NURS 318	Child Health Nursing	4
NURS 321	Evidence Based Practice	3
NURS 335	Medical Surgical Nursing II	5
NURS 416	Medical Surgical Nursing III	4
NURS 417	Mental Health Nursing	4
NURS 418	Maternal-Newborn Nursing	4
NURS 420	Medical Surgical Nursing IV	2
NURS 424	Population Health	4
NURS 426	Nursing Leadership	3
NURS 450	Nursing Capstone	4

Required Cognate Courses

Item #	Title	Credits
BIOL 101	Anatomy & Physiology I	4
BIOL 102	Anatomy & Physiology II	4
BIOL 220	Microbiology and Immunology	4
CHEM 105	Survey of Chemistry	4
KINT 216	Nutrition	3
MATH 141	Introduction to Probability and Statistics	3
PSYC 212	General Psychology	3
PSYC 220	Human Growth and Development 3	3
SOCI 111	Introduction to Sociology	3

General Education Course Requirements

Item #	Title	Credits
UNIV 111	Wellness for Life	2
ENGL 121	Freshman Composition	3
ENGL 220	Research Writing	3
	Literature General Education Requirement	3
	Fine Arts General Education Requirement	3
	History General Education Requirement	6
	Kinesiology General Education Requirement	2
	Religion General Education Requirement	12

LVN to BS Nursing

With a current LVN license and at least one year work experience in a hospital or long-term care facility as an LVN, credit will be granted for the following upon successful completion of at least 12 credit hours at Southwestern Adventist University:

NURS 221 Fundamentals of Nursing	6
NURS 315 Medical-Surgical Nursing I Clinical	2
Total:	8

Required Nursing Cognate Course

Item #	Title	Credits
BIOL 101	Anatomy & Physiology I	4
BIOL 102	Anatomy & Physiology II	4
BIOL 220	Microbiology and Immunology	4
CHEM 105	Survey of Chemistry	4
KINT 216	Nutrition	3
PSYC 212	General Psychology	3
PSYC 220	Human Growth and Development	3
SOCI 111	Introduction to Sociology	3
MATH 141	Introduction to Probability and Statistics	3

General Education Courses Requirements

Item #	Title	Credits
UNIV 111	Wellness for Life	2
ENGL 121	Freshman Composition	3
ENGL 220	Research Writing	3
	Literature General Education Requirement	3
	Fine Arts General Education Requirement	3
	History General Education Requirement	6
	Kinesiology General Education Requirement	2
	LVN to RN GE Religion Options	6-12

Item #	Title	Credits
NURS 210	LVN to BS Nursing Bridge	1
NURS 212	Physical Assessment	3
NURS 227	Gerontological Nursing	3
NURS 313	Pathophysiology	3
NURS 314	Medical Surgical Nursing I for LVN	3
NURS 317	Pharmacology	3
NURS 318	Child Health Nursing	4
NURS 321	Evidence Based Practice	3
NURS 335	Medical Surgical Nursing II	5
NURS 416	Medical Surgical Nursing III	4
NURS 417	Mental Health Nursing	4
NURS 418	Maternal-Newborn Nursing	4
NURS 420	Medical Surgical Nursing IV	2
NURS 424	Population Health	4
NURS 426	Nursing Leadership	3
NURS 450	Nursing Capstone	4
	Total credits:	120

RN to BS Nursing

The registered nurse with an Associate of Science degree or a diploma in nursing may complete a Bachelor of Science degree in Nursing at Southwestern Adventist University in a minimum of five eight-week modules or spread out over a longer period of time. The RN to BS in Nursing program is fully online.

Admission requirements include the following:

1. Completion of an Associate Degree or Diploma program from an accredited college or university in the United States, including Texas baccalaureate general education core requirement (or core requirement from another state).
2. Active unencumbered RN license*, or temporary RN permit, or RN licensure within 3 months of graduating from an AD or Diploma program.
3. Minimum cumulative GPA of 2.5
4. Meet all admission requirements for enrollment at Southwestern Adventist University.
5. Successful completion of Nursing prerequisite courses (21-semester credits) and electives to meet 120-semester credit graduation requirement.

*RN licensure must be in the state(s) in which the student participates in any clinical learning experience.

Required Nursing Cognate Course

Item #	Title	Credits
BIOL 101	Anatomy & Physiology I	4
BIOL 102	Anatomy & Physiology II	4
BIOL 220	Microbiology and Immunology	4
MATH 141	Introduction to Probability and Statistics	3
PSYC 220	Human Growth and Development	3
RELT 312	Christian Ethics	3
RELT 325	World Religions	3
SOCI 111	Introduction to Sociology	3
UNIV 311	Wellness for Life	2

Required RN to BS Courses

Item #	Title	Credits
NURS 302	RN-BS Professional Development	1
NURS 312	RN-BS Health Assessment	3
NURS 316	RN-BS Gerontological Nursing	2
NURS 331	RN-BS Evidence-Based Practice	3
NURS 332	RN-BS Pathophysiology/ Pharmacology	4
NURS 406	RN-BS Leadership & Management in Nursing	3
NURS 444	RN-BS Population Health	3
NURS 436	RN-BS Health Care Policies and Economics	3

RN to BS Elective Credits:

Item #	Title	Credits
NURS 460	RN-BS Baccalaureate Nurse Experience I	3
NURS 461	RN-BS Baccalaureate Nurse Experience II	3

Electives to Meet 120-Credit Hour Graduation Requirement

Total Upper Division credit requirements:
30

Total credits:	121
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Nursing Course Descriptions

NURS 112: Medical Terminology

This course provides a foundation for understanding terminology used by health care providers. The course is designed so students can easily apply and process the language of medicine correctly in the health care setting. (Crosslisted with **ALHE 112**).

Credits: 1

Semester Offered: Fall

NURS 210: LVN to BS Nursing Bridge

This course is designed to introduce the LVN to the core concepts of the Nursing Program including philosophy, conceptual model, program mission and outcomes, nursing values, and professionalism. Students will have the opportunity to explore personal and professional values which have an impact on the process of transitioning into BS Nursing roles.

Credits: 1

Semester Offered: Fall

Spring

NURS 212: Physical Assessment

This course is designed to provide structured learning experiences to enable the student to perform focused health histories, basic general examinations, and focused assessments of body systems. Teaching/learning approaches include lecture, demonstration and practice of assessment skills, written examinations and competency testing. 3 Theory

Credits: 3

Prerequisites:

Acceptance into the nursing program.

Semester Offered: Fall

Spring

NURS 221: Fundamentals of Nursing

This course is designed to introduce fundamental concepts of nursing with emphasis on patient safety and quality care. The student acquires basic nursing skills to implement nursing care for adult patients. Course content includes the implementation of effective communication skills with patients and nursing staff, recognition of professional role of the Christian nurse, and application of the nursing process to meet basic human needs. 4 Theory 2 Clinical/Lab

Credits: 6

Prerequisites:

Acceptance into the nursing program

Semester Offered: Fall

Spring

NURS 227: Gerontological Nursing

This course is designed to examine the process of physical, psychological, spiritual, and sociocultural aspects of aging. The focus is on the unique health and nursing needs of older adults in providing patient-centered care. Emphasis will be on supporting healthy aging and wellness, health promotion, and disease/disability prevention based on current evidence-based practices.

3 Theory

Credits: 3

Prerequisites:

Acceptance into the Nursing Program

Semester Offered: Fall

Spring

NURS 302: RN-BS Professional Development

This course explores professional values in the context of nursing practice. This exploration focuses on critical elements necessary for a culture of excellence in nursing care delivery. Emphasis is on use of evidence-based professional concepts in support of health promotion and wholistic nursing practice. Must be taken as a first course in the RN to BS program sequence.

1 Credit Theory.

Online only.

Credits: 1

Prerequisites:

Must be taken as a first course in the RN to BS program.

Semester Offered: Fall, Spring

Summer

NURS 312: RN-BS Health Assessment

This course is designed to enhance the RN to BS student's ability to perform comprehensive and focused health assessments relevant to the client's healthcare needs. Emphasis is on the professional nurse's role in assessment for health promotion, illness and injury prevention, and mitigation of acute and chronic healthcare concerns.

3 Credits Theory.

Online only.

Credits: 3

Prerequisites:

Consent of instructor.

Semester Offered: Fall

NURS 313: Pathophysiology

This course is designed to provide basic concepts to gain understanding of the pathophysiology of common diseases. Physiological changes from pathophysiological processes are explored within the framework of body systems. Alterations resulting from normal aging and some diseases common to children are also integrated into this course. 3 Theory

Credits: 3

Prerequisites:

All 200 level nursing courses or permission of instructor

Semester Offered: Fall

Spring

NURS 314: Medical Surgical Nursing I for LVN

This course is designed to provide opportunities for the LVN to BS Nursing students to apply the nursing process in providing evidence-based interventions to individuals with common nursing care needs in acute care settings. Emphasis is on health promotion, risk reduction, disease prevention and intervention to patients with acute health problems. Concepts of nutrition, communication, diversity, spirituality, gerontology, and pharmacology are integrated throughout the course. 3 Theory

Credits: 3

Prerequisites:

NURS 212

Acceptance into LVN to BS Nursing program

Semester Offered: Fall

Spring

NURS 315: Medical Surgical Nursing I

The student will apply the nursing process in providing evidence-based interventions to individuals with common nursing care needs in acute care settings. Emphasis is on health promotion, risk reduction, disease prevention and intervention to patients with acute health problems. Concepts of nutrition, communication human diversity, spirituality, gerontology and pharmacology are integrated throughout the course. 3 Theory, 2 Clinical/ Lab

Credits: 5

Prerequisites:

NURS 212

NURS 221

Semester Offered: Fall

Spring

NURS 316: RN-BS Gerontological Nursing

This course explores the process of aging from a whole-person perspective, including consideration of the older adults' unique physical, mental, spiritual, and sociocultural needs. This exploration considers political, legal, social, economic, ethical, and end-of-life influences. Emphasis is on application of evidence-based practice concepts that support individualized healthy aging.

2 Credits Theory.

Online only.

Credits: 2

Prerequisites:

Consent of instructor.

Semester Offered: Fall

NURS 317: Pharmacology

This course is designed to introduce the nursing student to the pharmacodynamic, pharmacokinetic, and pharmacotherapeutic aspects of nursing. The course will focus on the indications for, applications of, and identification of basic principles, of major drug classifications associated with the treatment of various illnesses. 3 Theory

Credits: 3

Prerequisites:

All 200 level nursing courses

Semester Offered: Fall

Spring

NURS 318: Child Health Nursing

This course applies the nursing process to the nursing of children and their families with continued emphasis on growth and development, prevention and treatment of illness in the hospital and community. Complex health problems of children are examined including congenital and acquired conditions. 3 Theory, 1 Clinical/Lab (taught in the first summer session after completion of theory)

Credits: 4

Prerequisites:

All 200 nursing courses, NURS 313, NURS 314 or NURS315, and NURS 317

Semester Offered: Spring

NURS 321: Evidence Based Practice

This course has an emphasis on developing beginning competencies in appraising research for the purpose of constructing a scientific knowledge base for nursing practice. The process of developing clinical questions for evidence-based practice is examined and an evidence-based project is implemented.

3 Theory

Credits: 3

Prerequisites:

MATH 141

All 200 level nursing courses, or permission of the instructor.

Semester Offered: Spring

NURS 331: RN-BS Evidence-Based Practice

This course emphasizes development of beginning competencies in appraising research for the purpose of constructing a scientific knowledge base for nursing practice. The process of developing clinically-based questions for evidence-based practice is examined and an evidence-based project is implemented.

3 Credits Theory.

Online only.

Credits: 3

Prerequisites:

MATH 141

Consent of instructor.

Semester Offered: Spring

NURS 332: RN-BS Pathophysiology/Pharmacology

This course provides in-depth discussion of integration of the principles of pharmacology with pathophysiologic conditions. Emphasis is on the role of the professional nurse in administering, monitoring, and evaluating the therapeutic efficacy of pharmacologic agents in selected pathological processes.

4 Credits Theory.

Online Only

Credits: 4

Prerequisites:

Consent of instructor.

Semester Offered: Fall

NURS 335: Medical Surgical Nursing II

The student will build on concepts introduced in Fundamentals, Medical/Surgical Nursing I, Physical Assessment, Pathophysiology, and Pharmacology. Application of the nursing process and standards of medical and surgical nursing will be integrated into theory and practice. Emphasis is on care of patients with acute health care problems requiring individualized care and learning needs. The student will apply professional roles in the provision of care within progressively complex situations. 3 Theory 2 Clinical/Lab

Credits: 5

Prerequisites:

All 200 level nursing courses, NURS 313, NURS 314 or NURS 315, and NURS 317

Semester Offered: Spring

NURS 406: RN-BS Leadership & Management in Nursing

This course integrates leadership and management theories and concepts relevant to a Christian perspective on professional nursing, considering legal, ethical, moral and sociocultural factors influencing healthcare practice. Focus is on topics germane to professional responsibilities in unit, organization, community, and societal settings.

3 Credits Theory.

Online Only

Credits: 3

Prerequisites:

For the RN to BS Nursing Student, or permission of the instructor.

Semester Offered: Spring

NURS 416: Medical Surgical Nursing III

The student will build on concepts introduced in prior Medical/Surgical courses. Further application of the nursing process will be integrated into theory and practice. Content is selected to increase breadth and depth in advanced medical/surgical nursing. Technical skills will be developed focusing on acutely ill patients including critical care. Application of professional roles in the provision of care in progressively complex situations. Concepts of whole-person wellness, clinical judgment, evidence-based practice, patient-centered care, safety, clinical reasoning, and team/ collaboration will be applied.

3 Theory, 1 Clinical/Lab

Credits: 4

Prerequisites:

All 200 and 300 level nursing courses

Semester Offered: Fall

NURS 417: Mental Health Nursing

This course is designed for the student to learn and demonstrate evidence-based, patient-centered psychiatric care for adults and adolescents in a variety of mental health settings. Opportunities are provided for students to increase competencies in clinical reasoning, building therapeutic relationships, interprofessional collaborative communication, professional self-awareness, and legal-ethical issues patient care and patient safety in mental health nursing.

3 Theory 1 Clinical/Lab

Credits: 4

Prerequisites:

All 200 and 300 nursing courses

Semester Offered: Fall

Spring

NURS 418: Maternal-Newborn Nursing

This course builds on the concepts of previous nursing courses with emphasis on utilizing the nursing process in dealing with women's health, maternity and the newborn. Students will explore the concepts of health promotion, disease prevention, and alterations in health-related to women and the newborn. Emphasis is on whole-person care of childbearing families.

3 Theory 1 Clinical/Lab

Credits: 4

Prerequisites:

All 200 and 300 level nursing courses

Semester Offered: Fall

Spring

NURS 420: Medical Surgical Nursing IV

The student will build on concepts introduced in previous nursing courses. The course will integrate standards of Medical-Surgical nursing, and the American Association of Critical Care Nurses (AACN). Content is selected to increase breadth and depth in medical surgical nursing with integration of community and mental health concepts. Concepts of case management will be integrated into classroom exercises.

2 Theory

Credits: 2

Prerequisites:

NURS 416

All 200 and 300 level courses;

NURS 424: Population Health

This course is designed to provide an introduction to population health. Emphasis is placed on whole-person wellness and interprofessional collaboration. Content includes clinical reasoning as it relates to identification of client and population risk, risk reduction, disease prevention, and health promotion in a variety of settings across the lifespan.

3 Theory, 1 Clinical/Lab

Credits: 4

Prerequisites:

MATH 141

all 300 level nursing courses, or permission of the instructor

Semester Offered: Spring

NURS 426: Nursing Leadership

This course is designed to provide students with the opportunity to integrate professional nursing concepts and exemplars within the professional nursing roles. Current leadership, management, and change theories are examined as it related to the profession of nursing. Students will engage in activities that contribute to the development of leadership competencies.

3 Theory

Credits: 3

Prerequisites:

All 200 and 300 level nursing courses

NURS 436: RN-BS Health Care Policies and Economics

This course provides an overview of the policy and economic factors affecting healthcare delivery. Emphasis is on awareness of healthcare disparities, and the role of professional nurses in influencing policy decisions at local, state, regional, and national levels.

3 Credits Theory.

Online Only

Credits: 3

Prerequisites:

For the RN to BS Nursing Student, or permission of the instructor.

Semester Offered: Summer

NURS 444: RN-BS Population Health

This course introduces population health concepts. Emphasis is on health promotion, risk reduction, and disease prevention in the context of whole-person wellness. Interprofessional collaboration and focus on the social and environmental determinants of health provide the framework for addressing community-level assessment and intervention applications. Students will participate in a service-oriented community project with health care providers.

3 Credits (2 Theory, 1 Clinical).

Online Only

Credits: 3

Prerequisites:

For the RN to BS Nursing Student, or permission of the instructor.

Semester Offered: Summer

NURS 450: Nursing Capstone

This course must be taken during the final semester of the BS Nursing program. Professional nursing concepts and care skills are integrated through an extended, precepted clinical experience in one healthcare facility. Additional learning experience will focus on the synthesis and reflection of knowledge through the completion of the e-portfolio, clinical journals, and post-clinical experience debriefing. Structured guidance is provided for completion of NCLEX preparation.

2 Theory, 2 Clinical/Lab

Credits: 4

NURS 460: RN-BS Baccalaureate Nurse Experience I

This course focuses the RN-BS student on integration of new knowledge gained in RN-BS courses with career-related clinical practice. A portfolio is developed demonstrating application of knowledge from at least three (3) RN-BS courses to professional nursing practice.

Credits: 3

Prerequisites:

Consent of instructor.

NURS 461: RN-BS Baccalaureate Nurse Experience II

This course focuses on the RN-BS student on the integration of new knowledge gained in RN-BS courses with career-related clinical practice. A portfolio is developed demonstrating continued growth beyond NURS 460 in the application of knowledge to professional nursing practice.

Credits: 3

Prerequisites:

Consent of instructor.

NURS 498: Individual Study Topics in Professional Nursing

Subject of study is selected in conference between student and faculty member. Course requirements may consist of independent study, precepted clinical experiences and/or research. Content and behavioral objectives must be approved. Student must submit a signed Independent Class form, available on the SWAU website, to the Vice President for Academic Administration. Request must be approved and submitted to the Records Office by the last day to add a class. May be repeated.

Credits: 1-3

Prerequisites:

Permission of Instructor and VP for Academic Administration

NURS 499: Directed Group Study Topics

Provides academic departments an opportunity to offer courses in specialized or experimental areas, either lower or upper division, not listed in the undergraduate *Bulletin*. May be repeated for a total of 3 credits.

Credits: 1-3

Prerequisites:

Approval by department chair

Pre-Professional

Southwestern Adventist University offers preparation for a number of professional programs that are offered at other universities. Certain professional programs build upon a four-year baccalaureate degree from Southwestern Adventist University. Others require one, two, or three years of undergraduate preparation at Southwestern Adventist University before transferring to complete the program requirements. In either case these professional programs typically include a specific list of required courses.

Students in pre-professional programs that involve a four-year degree from Southwestern Adventist University are encouraged to consult routinely with their major advisor and their pre-professional advisor.

For further information including program prerequisite requirements access the given URL and meet with the pre-professional advisor.

Allied Health Foundations

This program provides an efficient path for students who wish to apply to the School of Allied Health Professions at Loma Linda University for a baccalaureate degree in one of several allied health fields. A student at Southwestern will complete the 60-hr Associate of Science degree. The requirements for this degree are found in the Core Curriculum for a Bachelor's Degree in this *Bulletin*.

With the guidance of an Allied Health advisor, the student will complete the courses that meet the entrance requirements of the program to which they seek entrance. A cumulative grade point average of at least 3.0 or even higher is necessary in order to be competitive for acceptance at most clinical allied health programs at Loma Linda. No grade lower than a "C" can be transferred to another program.

Information on various allied health careers can be found at [Loma Linda University's School of Allied Health Professions website](#):

Pre-Dentistry

Advisors: Arthur Schwarz, Gerald Springer

A Dentistry program is a graduate program building upon any four-year baccalaureate degree from Southwestern Adventist University that includes a specified list of prerequisites. Southwestern Adventist University coordinates with the medical program at [Loma Linda University](#).

Pre-Engineering

Advisor: Ryan Loga

Currently Southwestern Adventist University coordinates with Walla Walla University and Andrews University to offer the first year of an undergraduate program in Engineering.

Pre-Law

Advisor: Elizabeth Bowser

A graduate degree in law can be built on any four-year degree at Southwestern Adventist University. There are no specific prerequisite courses. However, a degree in the social sciences (such as English, History or Social Studies) can be a particularly useful background for law school.

Pre-Medicine

Advisor: Peter McHenry, Arthur Schwarz, Gerald Springer

A Medical Doctor program is a graduate program building upon any four-year baccalaureate degree from Southwestern Adventist University that includes a specified list of prerequisites. Southwestern Adventist University coordinates with the medical program at Loma Linda University.

Pre-Pharmacy

Advisor: Amy McHenry

A Doctor of Pharmacy program is a graduate program building upon any four-year baccalaureate degree from Southwestern Adventist University that includes a specified list of prerequisites. Southwestern Adventist University coordinates with the pharmacy program at Loma Linda University.

Pre-Physical Therapy

Advisor: Jared Wood, Vesa Naukkarinen

There are two paths available. The first involves completing a B. S. degree in programs such as Exercise Science or Biology, which include many of the prerequisites for admission to doctoral programs in Physical Therapy. Alternatively, one may undertake a three-year program of prerequisites that will prepare a student to transfer to Andrews' or Loma Linda's Physical Therapy programs.

Click for Information on [Andrews University's program](#)

Click for Information on [Loma Linda University's program](#)

Other Pre-professional Programs and Advisors

Programs	Advisors	Major
Pre-Respiratory Care	Jared Wood	Biology
Pre-Chiropractic	Peter McHenry	Biology
Pre-Dental Hygiene	Jared Wood	Biology
Pre-Health Administration	Jared Wood	Biology
Pre-Health Informatics	Jared Wood	Biology

Pre-Nutrition	Amy McHenry	Biology
Pre-Occupational Therapy	Amy McHenry	Biology
Pre-Optometry	Amy McHenry	Biology
Pre-Orthotics and Prosthetics	Jared Wood	Biology
Pre-Osteopathy	Peter McHenry	Biology
Pre-Physician Assistant	Amy McHenry	Biology
Pre-Public Health	Amy McHenry	Biology
Pre-Speech Pathology	Amy McHenry	Biology
Pre-Veterinary Medicine	Peter McHenry	Biology
Pre-X-Ray Technician	Jared Wood	Biology

ALHE 112: Medical Terminology

This course provides a foundation for understanding terminology used by health care providers. The course is designed for the student to apply and process the language of medicine correctly in the health care setting. (Crosslisted with NURS 112).

Credits: 1

Semester Offered: Fall

COMD 284: Introduction to Speech-Language Pathology and Audiology

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 through Loma Linda University, School of Allied Health Profession.

Credits: 2

Semester Offered: Spring

DENT 201: Introduction to Dentistry

This course introduces students into the field of dentistry and dentistry related disciplines. Students will learn about dental anatomy and disease, as well as radiology and pharmacology as it relates to dentistry. Students will become aware of dental specialties such as Oral Surgery, Orthodontics, Endodontics and Pedodontics, as well as responsibility of those in various ancillary positions in a typical dental practice. Students will gain practice carving a tooth as well as learn about the management of a dental practice. A field trip to a local office is required. Pass/no pass course.

Credits: 1

Semester Offered: Spring

Psychology

Faculty/Staff

Cheryl The, Chair; Lynette Frantzen, Keila Santos-Crespo

Adjunct: Jeremy Carter, Ken Jones, Zaira Rico, Marcel Sargeant, Jessica Virgil

Aims of the Program

The goals of the department are to serve those who are interested in majoring in psychology and those who wish to pursue advanced degrees in the areas of psychology and counseling. This degree is designed as a basis for graduate work that provides a basic understanding of Christian psychological principles and to provide a background for a wide variety of careers that involve working with people.

B.S. Psychology

This degree will prepare you to enter social service institutional employment immediately after graduation or pursue graduate studies in a variety of mental health fields.

Due to the sensitive and confidential nature of our work, psychology students will be held to the highest standards of ethical and moral behavior. Behavior that fails to comply with these high standards will require the student to withdraw from the program.

Psychology B.S. Requirements

Item #	Title	Credits
PSYC 212	General Psychology	3
PSYC 220	Human Growth and Development	3
PSYC 222	Ethics for Mental Health Professionals	3
PSYC 244	Courtship, Marriage, and Family	3
PSYC 322	Adolescent Psychology	3
PSYC 331	Multicultural Perspectives	3
PSYC 338	Conflict Resolution	3
PSYC 340	Abnormal Psychology	3
PSYC 360	Personality Theory & Development	3
PSYC 410	Group Therapy	3
PSYC 415	Crisis, Intervention, Assessment, and Treatment	3
PSYC 445	Deviant Behavior	3
PSYC 460	Applied Social Research Methods	3
PSYC 470	Counseling Theory & Techniques	3

B.S. Psychology Electives

Electives to be selected from the following courses

Item #	Title	Credits
PSYC 233	Social Psychology	3
PSYC 320	Parenting Skills	3
PSYC 326	Learners With Exceptionalities	3
PSYC 330	Life Transitions, Grief and Loss	3
PSYC 430	Addictive Behaviors	3
PSYC 480	Psychology Internship	1-6
PSYC 498	Individual Study Topics	1-3

Required Cognate

Item #	Title	Credits
MATH 141	Introduction to Probability and Statistics	3
Total credits:		58

B.S. Psychology emphasis in School Guidance

Bachelors of Science in Psychology, emphasis School Guidance

This School Guidance emphasis will prepare you to complete a number of classes in education that are required by the State of Texas to fulfill course requirements before taking the State Exam for Educators (TExES). Please note that the State of Texas requires candidates who desire a certificate in school counseling must have two years of successful teaching and in possession of a valid teaching certificate issued by the State of Texas and a Masters degree in School Guidance/ School Counseling. The intent of this composite is to prepare you to take the State Exams (EC-6) that consists of two tests (Pedagogy and Professional Responsibility and Core Subjects EC-6), you will be certified to teach in the State of Texas, after passing these tests and successfully completing all the courses or additional requirement as required by any Alternative Certification Program (courses may vary by Alternative Certification Program).

- Take the THEA exam and meet a minimum score of 260 in reading, 230 in math, and 220 in writing. Passing standards are subject to change, as the State Board of Education changes minimum standards. Note: You are exempt from the THEA if you earn a score of 550 in both areas or better in the areas of Math and Verbal on your SAT or if your ACT score had a composite of 21 with at least a 19 in Math and Language.
- Candidates must have a minimum cumulative GPA of 3.0 or higher
- Before acceptance, all students must submit to, pay for, and pass a criminal background check
 - Candidate is responsible for initiating the application process, that is available in the Education & Psychology Department. All applicants will be accompanied by:
 - statement of purpose - one page typed essay describing reasons for desiring a profession in the teaching field
 - two letters of recommendation from individuals other than relatives. Preferably, these recommendations will come from Southwestern Adventist University faculty members not in the Education and Psychology Department, or another work supervisor.
- All potential candidates will have an interview with the Education/Psychology Department before being fully accepted into the School Guidance emphasis. See Technical Standards in Pre-Service Teacher Candidate Handbook.

Degree Plan

After the student has been admitted to this program, they should develop a degree plan with their major advisor and

the Department of Education and Psychology. The plan will show the declared major with certification area, the work completed and the remaining requirements for the degree. Copies of the degree plan will be filed with the Registrar's Office, Education and Psychology Department and the major advisor.

Retention in this Program

To be retained in this program, students must:

- Maintain a cumulative 3.00 grade point average in all course work.
- Give evidence of satisfactory professional growth.
- Show promising development in field experiences.
- Demonstrate behavior that is ethically and morally responsible.

Psychology Courses

Item #	Title	Credits
PSYC 212	General Psychology	3
PSYC 220	Human Growth and Development	3
PSYC 222	Ethics for Mental Health Professionals	3
PSYC 244	Courtship, Marriage, and Family	3
PSYC 322	Adolescent Psychology	3
PSYC 326	Learners With Exceptionalities	3
PSYC 340	Abnormal Psychology	3
PSYC 360	Personality Theory & Development	3
PSYC 445	Deviant Behavior	3
PSYC 460	Applied Social Research Methods	3
PSYC 470	Counseling Theory & Techniques	3

Education Courses

Item #	Title	Credits
EDUC 312	Educational Psychology	3
EDUC 350	Digital Literacy Proficiency	3
EDUC 364	Kindergarten Materials and Methods	3
EDUC 382	Reading and Language Arts in the Elementary School	3
EDUC 385	Philosophy of Christian Education	3
EDUC 386	Mathematics in the Elementary School	3
EDUC 414	Science and Health in the Elementary School	3
EDUC 418	Legal Foundations of Education	3
EDUC 419	Social Studies in the Elementary School	3
EDUC 424	Language Arts Essential Skills in the Elementary School	3
EDUC 434	Classroom Assessment	3
EDUC 436	Classroom Management	3
EDUC 475	Directed Teaching in Elementary School	6

Required Cognates

Item #	Title	Credits
POLS 211	National and Texas Constitutions	3
MATH 141	Introduction to Probability and Statistics	3
Total credits:		81

Minor in Psychology

Required Courses

Item #	Title	Credits
PSYC 212	General Psychology	3
PSYC 220	Human Growth and Development	3
PSYC 330	Life Transitions, Grief and Loss	3
PSYC 340	Abnormal Psychology	3
Psychology Minor Upper Division Electives		9
Total credits:		21

Psychology Course Descriptions

PSYC 212: General Psychology

A beginning course in the basic principles and concepts of psychology. Attention given to the concepts of Christian psychology. Recommended as a preliminary to other courses in the field.

Credits: 3

Semester Offered: Fall
Spring

PSYC 220: Human Growth and Development

A study of the basic principles of human growth and development across the life span. The environmental and psychological functions of human development are examined. Includes case studies.

Credits: 3

Semester Offered: Fall
Spring

PSYC 222: Ethics for Mental Health Professionals

An overview of ethical and legal issues related to human services professions. Topics include responsibility, competency, duty to warn, confidentiality, professional relationships, and professional licensing standards and procedures. As part of the course students will have a major term paper that will be used to introduce the research skills used in the field of psychology. Students will learn to use primary and secondary sources as well as psychology journals, indexes, and databases as needed for psychology research papers. Psychology majors will begin the process of senior portfolio development. Must be taken in the sophomore year to comply with portfolio requirements.

Credits: 3

Semester Offered: Spring

PSYC 233: Social Psychology

A study of the basic principles and concepts required in understanding group dynamics and social behavior, focusing on the different types of social setting and influencing factors on behavior. This course deals with social interactions, including their origins and their effects on the individual. A look at how it impacts government policy, group behavior and organizations.

Credits: 3

Semester Offered: Spring

PSYC 244: Courtship, Marriage, and Family

Emphasis on dating, engagement, marriage, and successful family life-styles. Good communication and relationship skills are studied.

Credits: 3

Semester Offered: Fall

PSYC 298: Individual Study Topics

A study in an area of student interest under the direction of a staff member. This study may involve research, laboratory or library work. Content and method of study must be arranged prior to registration. May be repeated for a total of 3 credits.

Credits: 1-3

Prerequisites:

Approval of department director

PSYC 299: Directed Group Study Topics

Provides academic departments an opportunity to offer courses in specialized or experimental areas, either lower or upper division, not listed in the undergraduate *Bulletin*. May be repeated for a total of 3 credits.

Credits: 1-3

Prerequisites:

Approval of department chair.

PSYC 320: Parenting Skills

A study of the care and guidance of the young child. Strategies for handling problems and behaviors are discussed.

Credits: 3

Semester Offered: Fall

PSYC 322: Adolescent Psychology

An overview of the physical, mental and emotional phases of human development during the adolescent years. A study of the environmental and educational problems of the teenager. (Also taught as EDUC 322.)

Credits: 3

Semester Offered: Spring

PSYC 326: Learners With Exceptionalities

A study of the 13 disability categories outlined in the Individuals with Disabilities Act of 2004. Emphasis on understanding the educational needs of students with disabilities. The study includes characteristics, causes, prevalence, and legislation regarding students with disabilities. Admission, review, and dismissal procedures for students requiring an Individualized Educational Plan (IEP) or other specialized program(s) are covered. The roles and responsibilities of the classroom teacher are integrated into the study of each specific disability category. (Also taught as EDUC 326)

Credits: 3

Semester Offered: Spring

PSYC 330: Life Transitions, Grief and Loss

A study of conceptual models and theories about death, dying, grief and loss. Cultivate and foster affective development and sensitivity to issues concerning death, dying, and grief.

Credits: 3

Semester Offered: Spring

PSYC 331: Multicultural Perspectives

A study of racial and ethnic groups in American society featuring an examination of their history, cultural heritage, contribution, struggles, and hopes for the future. Emphasis will be placed on a strength-based analysis of diverse groups. Focus will also address working with families in a classroom and counseling setting to best serve a multicultural society. Course content will guide students to be better informed and proactive in a multicultural society.

Credits: 3

Semester Offered: Fall

PSYC 338: Conflict Resolution

A study of practical applications of conflict and dispute resolution. The course focuses on developing practical problem solving and decision making skills while exploring issues of self-awareness, identity, culture, power, race, gender, violence, and forgiveness. Workplace disputes are explored and addressed from a perspective emphasizing preventive models.

Credits: 3

Prerequisites:

Recommended prerequisites: PSYC 112, SOCI 111

Semester Offered: Fall

PSYC 340: Abnormal Psychology

A study of maladaptive and disorganized behavior patterns within a personal and social context, including their development, symptoms, and treatment. Focus on the various etiologies of mental illness and treatment modalities. Class must be taken in the junior year, and will serve as checkpoint #1 for the psychology department e-portfolio.

Credits: 3

Prerequisites:

PSYC 212

Semester Offered: Spring

PSYC 360: Personality Theory & Development

A study of major theories and the development of personality.

Credits: 3

Semester Offered: Fall

PSYC 410: Group Therapy

A study of the group dynamics, the stages of group development, group interventions, and the selection of group participants. Students will gain the essential knowledge and skills for understanding, organizing, and working with groups.

Credits: 3

Semester Offered: Fall

PSYC 415: Crisis, Intervention, Assessment, and Treatment

A study of current issues as they relate to crisis intervention. Students will apply crisis intervention theory and models of intervention to various crisis situations. Students will become familiar with assessment and treatment interventions for individuals, families, and groups of varying ages, multicultural backgrounds, and other special needs.

Credits: 3

Semester Offered: Fall

PSYC 430: Addictive Behaviors

A study of addiction and addictive behaviors. This course provides a comprehensive overview of current theories about addictions, their prevention, and treatment. In addition, it will highlight controversies surrounding behavioral addictions, ways to link theory and practice, and motivational factors in personal change.

Credits: 3

Semester Offered: Fall

PSYC 445: Deviant Behavior

An examination of what deviant behavior is (including specific examples of behavior which is so labeled) and social explanations for its existence.

Credits: 3

Semester Offered: Spring

PSYC 460: Applied Social Research Methods

An introduction to applied research methods and their applications to the disciplines of Physical Education, and Psychology. Emphasis is on understanding basic terminology, the use of fundamental research tools, and the integration of research and practice. Students will gain experience with single subject designs, program evaluation methods, SPSS-driven data analysis, and case studies in data collection. This class meets the requirements for the Computer Competencies for General Education (Also taught as KINT 460.)

Credits: 3

Prerequisites:

MATH 141

Semester Offered: Fall

PSYC 470: Counseling Theory & Techniques

A study of various theories and techniques used in the counseling process. Study will also include techniques for interviews, administration, questionnaires, and records used in guidance work by teachers, ministers, counselors, and psychologists. Study will include the ethics and principles involved in the counseling process as they relate to the counselor, as well as the situation, and is the final portfolio checkpoint. This class meets the requirements for the Communication Competencies for General Education. (Spring) Senior year only.

Credits: 3

Prerequisites:

PSYC 340

Senior Status

Semester Offered: Spring

PSYC 480: Psychology Internship

This course is designed to provide the student with the opportunity for training in practical work situations and areas of interest dealing in the area of psychology. There are 45 clock hours required for each credit hour. Admission is limited to students who have completed at least 24 hours in psychology. The Psychology Internship must be student driven but will require departmental approval on a case by case basis. Students wanting to apply for a psychology internship:

1. Must have an approved **Graduation Contract**
2. Must be a student in good standing
3. Must maintain a cumulative GPA of 3.0.

Applications must be received the semester prior to the internship and are available in the Education and Psychology departments. Internship requires faculty approval prior to placement.

Pass/fail course.

Credits: 1-6

Prerequisites:

Senior status, cumulative GPA 3.0, and approval of department director.

PSYC 498: Individual Study Topics

A study in an area of student interest under the direction of a staff member. This study may involve research, laboratory or library work. Content and method of study must be arranged prior to registration. May be repeated for a total of 3 credits.

Credits: 1-3

Prerequisites:

Approval of the department director

PSYC 499: Directed Group Study

A study in an area of student interest under the direction of a staff member. This study may involve research, laboratory, or library work. Content and method of study must be arranged prior to registration. May be repeated for a total of 3 credits.

Credits: 1-3

Prerequisites:

Approval of department chair

Religion

Faculty/Staff

Joaquim Azevedo, Chair; Michael Campbell, Jorge Rico, Buster Swoopes, Jr

Adjunct: Arthur Chadwick, April Chisholm, Michael Gibson, William Kilgore, Russ Laughlin, Theodore Stewart,

Aims of the Department

Religious Education at Southwestern Adventist University facilitates the understanding, appreciation, and application of:

- the Bible
- a Christian worldview
- Seventh-day Adventism

Specifically, our theological training emphasizes a Christ-centered and Bible-based education on campus, in the classroom, and in the community, balancing theory and practice and harmonizing the dynamics of the local church and global mission within a specifically Seventh-day Adventist context. We integrate a multifaceted matrix of Inspiration - Implication Implementation - Involvement.

B.A. Religion

The Religion Department provides a Christ-centered and Bible-based religious education that is in line with the global mission and message of the Seventh-day Adventist Church. Emphasis is placed in such areas as biblical understanding, personal application, and service to the church. Classes in this major are typically small, which provides ample time for interaction between professor and student. The program also offers the opportunity to add other areas (minors) that best fit the academic and professional goals of the student.

Our students often double-major in a related field and they can pursue graduate work and employment in various field of studies. Many of our graduates are accepted into the Seminary or enter other graduate programs like chaplaincy, counseling, or teaching. Some are hired as Bible teachers in various Adventist educational institutions or dorm deans in Adventist academies. They also become qualified to work as missionaries, colporteur directors, or religion editors in publishing companies.

The department welcomes persons who sense a call to full-time ministry, and who are moved to offer their lives in this avenue to God and humanity. The faculty assists applicants who wish to evaluate and deepen their experience as well as to explore the expanding opportunities for service. The department will not recommend to the ministry any student who has not completed the course of study as outlined or who has a GPA that is less than 2.5, which is the minimum requirement for entrance to the SDA Theological Seminary. It is the student's personal responsibility to plan a course of study that includes all requirements for degree sought.

Completion of the major in Theology meets the guidelines stipulated by the Adventist Church and the minimal requirements for admission to the Seminary and entrance into the ministry.

Item #	Title	Credits
RELT 101	Christian Beliefs	3
RELB 211	Life and Teachings of Jesus	3
RELP 220	Personal Evangelistic Ministry	3
RELH 230	History of the Seventh-day Adventist Church	3
RELB 322	Daniel	3
RELH 331	History of Christianity I	3
RELH 332	History of Christianity II	3
	Christian Theology I or II	3
	Pentateuch, Survey of the Old Testament, Introduction to the New Testament and Revelation	9
	Total credits:	33

B.A. Theology

This program is designed to prepare pastors who are able to integrate theological knowledge with pastoral training for excellence in ministry. Emphasis is placed on such areas as biblical understanding and personal application, church leadership and administration, evangelism, and pastoral service to the church.

The program in pastoral ministry is focused on facilitating the development of the student as a:

- Growing Christian
- Church Leader/Administrator
- Pastor-Teacher and Equipper
- Pastor-Servant
- Soul Winner

This program follows a special two-stage composite sequence, each stage approximately two years in length. During the first stage (freshman and sophomore years), attention is concentrated on fulfilling the requirements of the core curriculum of the University, together with introductory Religion classes. In this first stage, freshman and sophomore students will be invited to participate in a church service, starting in the spring of their freshman year. A ministry in a local church will be assigned to the student. The expected participation is of 02-03 Sabbaths per month in a respective ministry, depending on their agreement with the local pastor.

During the sophomore year, students begin the study of New Testament Greek, and apply for acceptance into the Pastoral Ministry Certification Program. Benefits of membership in the program include eligibility for higher departmental scholarships, an official departmental certificate and participation in the pastoral internship program, and increased likelihood of future employment by a conference. It also grants preferred opportunities for summer ministry opportunities.

The second stage (junior and senior years) provides for completion of requirements for the bachelor of arts degree, including specific professional studies. It is also the period when the student becomes more involved in practical aspects of ministerial training.

One goal of the Religion Department is to prepare students to commence service as pastors. Conference presidents seek graduates from Southwestern Adventist University who will be able to function as pastor-evangelists immediately upon graduation. For this reason, it is required that theology students complete Field Evangelism (RELP 425), preferably during the summer prior to taking Pastoral Ministry (RELP 415). The Field Evangelism course (RELP425) includes participation in a major evangelistic crusade under the mentorship of a seasoned evangelist. This is to be followed by a personal evangelistic effort in a church within the conference where the major crusade was held. Those who have completed both of these programs before graduation are likely to be considered for conference employment ahead of others.

The course Field Evangelism (RELP 425) is an integral part of the theology degree. Theology graduates will subsequently seek employment as Pastors in local conferences, pursue careers in chaplaincy, or proceed to the Seminary for in-depth training after field experience (e.g., Associate Pastor with a conference).

Theology students are encouraged to become involved in witnessing and in other spiritual activities throughout their time in college. However, the last two years are particularly focused on ministry as they are required to participate in the Pastoral Internship Program. Those who are accepted in the Pastoral Ministry Certification Program will be assigned to churches mainly within the Dallas-Fort Worth area to gain practical pastoral experience. During this time, students will need to make transportation arrangements to ensure complete participation. This program is coordinated by the Southwestern Adventist University Religion Department in conjunction with the Texas Conference and the Southwest Region Conference.

Another goal of the department is to prepare students to be efficient church administrators and strong supporters/promoters of Adventist Christian Education in their respective congregations. For this reason, they are strongly encouraged to consider taking some of the courses listed as Recommended Cognates in order to be better equipped to minister in these two areas of church life.

Ministerial Profile and Progression

A call to pastoral ministry or any related form of ministry is very personal. The faculty of the Religion Department recognizes that students who come to the department will either have a sense of divine calling or will be currently wrestling with this issue. The choice of ministry implies a high level of spiritual commitment and an exemplary life style.

Continuation in the theology program is at all times contingent on the student maintaining satisfactory academic progress, exemplary social and cultural development, and dedication to the principles of the Christian faith and practice as taught by the Seventh-day Adventist Church. Graduates will demonstrate proficiency in the areas of biblical studies, theological studies, historical studies, and practical studies prior to graduation via a Senior Theology Major Exit Interview (administered by the department chair at the end of a student's final semester).

In fulfillment of the requirements for the classes RELP 215 Introduction to Ministry, RELP 415 Pastoral Ministry, sophomore, junior, and senior theology students prepare a paper describing their personal call and philosophy of ministry. Each paper is reviewed by the members of the Religion faculty and followed by a personal exit interview with the Religion faculty. The composite results of this paper and interview constitute the basis for departmental recommendation for both ministerial work and the

Theological Seminary. Subsequently, arrangements are made for senior theology majors to be interviewed by conference presidents.

A Biblical Languages Minor is required to complete the Theology Program and for Seminary entrance.

Required Courses

The curriculum of the BA in Theology is devised to meet the prerequisites for admission to the M. Div. program at the SDA Theological Seminary at Andrews University.

The B.A. in Theology requires a minor in Biblical Languages.

Item #	Title	Credits
RELB 211	Life and Teachings of Jesus	3
RELB 322	Daniel	3
RELB 323	Revelation	3
RELB 325	Pentateuch	3
RELB 328	Survey of the Old Testament	3
RELB 335	Introduction to the New Testament	3
RELH 230	History of the Seventh-day Adventist Church	3
RELH 320	Ellen White Writings	3
RELH 332	History of Christianity II	3
RELP 220	Personal Evangelistic Ministry	3
RELP 215	Introduction to Pastoral Ministry	3
RELP 323	Biblical Preaching I	3
RELP 324	Biblical Preaching II	3
RELP 415	Pastoral Ministry	3
RELP 425	Field Evangelism	3
RELP 428	Hospital Ministry	2
RELT 406	Christian Theology I	3
RELT 407	Christian Theology II	3
RELT 410	Biblical Conflict Resolution	3

Required cognates

Item #	Title	Credits
COMM 111	Speech	3
HIST 331	History of Christianity I	3
PSYC 212	General Psychology	3

Recommended Cognates

Item #	Title	Credits
ACCT 211	Accounting Principles I	3
BUAD 120	Personal Finance	3
BUAD 301	Principles of Management	3
EDUC 385	Philosophy of Christian Education	3
HIST 364	Ancient Cultures	3
Total credits:		65

Certificate in Church Ministry (Through SWAUonline)

The SWAUonline Program and the Department of Religion offers a Certificate in Church Ministry to prepare better lay leaders for the Seventh-day Adventist Church. It is a unique church ministry program which combines basic theological education with church history and applied ministerial methods and practices. The curriculum of the certificate consists of courses totaling 15 semester hours of college credit. These credits may be transferred to any other accredited college or university and may be applied toward a degree at Southwestern Adventist University. The curriculum is also designed to help church lay leaders increase their knowledge and skills and be better equipped to work in various positions of lay leadership.

The Certificate in Church Ministry does not prepare candidates for full-time employment in pastoral ministry nor does it constitute an alternative theology degree. Anyone choosing full-time ministry as a goal for life must enroll in a four-year BA Theology program. Although the program will be entirely offered on-line, a number of courses can also be taken as traditional classes on the campus of Southwestern Adventist University in the current semester format. The courses in the certificate program are offered in either English or Spanish. The Spanish version, however, is only available on-line.

Admission

The Certificate in Church Ministry is open to persons age 25 or older who have served in positions of lay leadership and are officially endorsed by their local congregations or conferences. Applicants must have a high school diploma or its equivalent. Previous college work is not required, but recommended. Applicants must:

1. Complete an application for admission into the certificate program
2. Send a non-refundable \$25 application fee
3. Submit three letters of recommendation from a local church pastor, a local church elder, and a third local church leader which officially endorse the applicant
4. Write a letter of intent stating why the applicant would like to take the college-level certificate in church ministry
5. Send a current professional resume

Time Limitations

Candidates for this certificate must complete all requirements within a five-year period.

Certificate Completion

Certificates will be awarded to students who complete all course requirements and maintain a minimum 2.0 grade point average. Candidates must submit a Certificate Completion contract to the Records Office. A \$25 certificate fee is required at the time the certificate is completed.

Cost of the Certificate

Each course will cost \$400 per course. The Certificate in Church Ministry is an accredited program. Local churches and conferences may provide students with scholarships for this certificate. There are no scholarships available from the University. All charges must be covered at the time of registration.

Academic Support Services

Students taking the certificate program will have access to important academic support services including library and learning resources, information on SWAUonline technology, and the writing center.

Student Support Services

The SWAUonline office will provide certificate students with a full range of student services appropriate to support the program, including admissions, academic advising, registration, course materials, certificate audits, and graduation assistance.

Certificate Course Requirements

Item #	Title	Credits
RELT 101	Christian Beliefs	3
RELB 211	Life and Teachings of Jesus	3
RELP 220	Personal Evangelistic Ministry	3
RELH 230	History of the Seventh-day Adventist Church	3
RELP 215	Introduction to Pastoral Ministry	3
Total credits:		15

SWORD (Soul-Winning Outreach Discipleship) A Bible Worker Certification Program Leadership

Buster Swoopes, Program Supervisor

Tony Correa, Field Coordinator

Description

A Bible Worker Certification Program that combines college-based classwork with practical training in literature evangelism, outreach, public evangelism, discipleship, and church planting.

Certificate Completion

Certificates will be awarded to students who complete all course requirements and maintain a minimum 2.0 grade point average. Candidates must submit a Certificate Completion contract to the Records Office. A \$25 certificate fee is required at the time the certificate is completed.

Details

Residency Requirement: courses must be taken on campus | maximum 1 transfer course

Minimum Age: 18 [must have a valid driver's license to participate]

Housing & Meals: participant's responsibility (see housing list for recommendations)

Application Process

1. Pray
2. Apply: www.swau.edu/
3. Submit:
 - a. **Application form** (www.swau.edu/SWORD)
 - b. 3 recommendations (pastor, church member, non-family) to Pastor Swoopes
 - c. 2-page essay to Dr. Azevedo, with the following 4 elements:
 - 1) Your conversion story
 - 2) Your current involvement in ministry
 - 3) Your goals in relation to this program
 - 4) If your ZIP code was the last one to be reached for Jesus, what would you do?
4. Contact Tony Correa to arrange outreach activity (labs).

Program Structure

Practical Components

(60 hours/lab)

Lab 1 Community *Literature Evangelism*

Lab 2 Local Church *Ministry/Evangelism/Planting*

Item #	Title	Credits
REL T 101	Christian Beliefs	3
RELB 211	Life and Teachings of Jesus	3
RELP 220	Personal Evangelistic Ministry	3
RELH 230	History of the Seventh-day Adventist Church	3
UNIV 111	Wellness for Life	2
Total credits:		14

Minor in Biblical Languages

Required Courses

A Biblical Languages Minor is required to complete the Theology Program and for Seminary entrance.

Item #	Title	Credits
RELL 240	New Testament Greek I	5
RELL 241	New Testament Greek II	4
RELL 340	Intermediate New Testament Greek	3
RELL 343	Biblical Hebrew I	3
RELL 344	Biblical Hebrew II	3
RELH 314	Origin & Development of the Bible	3
Total credits:		21

Minor in Religion

Required Courses

Item #	Title	Credits
REL T 101	Christian Beliefs	3
RELB 211	Life and Teachings of Jesus	3
Religion Minor Electives 20-21		6

Select any two classes from the following

Item #	Title	Credits
RELB 322	Daniel	3
RELB 325	Pentateuch	3
RELB 328	Survey of the Old Testament	3
RELB 335	Introduction to the New Testament	3
RELB 323	Revelation	3
Total credits:		18

Religion Course Descriptions

REL T 101: Life and Teachings of Jesus

A study of the life and teachings of Jesus as outlined in the Gospels, including historical background, His principles, methods, and instructions in light of their application to modern life.

Credits: 3

Semester Offered: Fall
Spring

RELB 322: Daniel

An introduction to and survey of the books of Daniel. Special emphasis is given to the application of their prophecies to the modern Christian life. It will include the importance of having good hermeneutics to understand its content.

Credits: 3

Semester Offered: Spring

RELB 323: Revelation

An introduction and survey of the book of Revelation. It will include the importance of good hermeneutics. Special emphasis will be given to the prophecies to the modern Christian life.

Credits: 3

Semester Offered: Fall

RELB 325: Pentateuch

An introduction to the history, literature, and thought of the Pentateuch. Study is given to the contemporary objectives of each book and application to life in modern times.

Credits: 3

Semester Offered: Fall

RELB 328: Survey of the Old Testament

An introduction to the history, literature, and thought of the Old Testament. Study is given to the contemporary objectives of each book and application to life in modern times.

Credits: 3

Semester Offered: Spring

RELB 335: Introduction to the New Testament

The world and literature of the New Testament, including theme and purpose of each book and applications to Christian life

Credits: 3

Semester Offered: Fall

RELH 230: History of the Seventh-day Adventist Church

A historical study of the Adventist awakening of the 19th century and the subsequent rise, growth, and worldwide expansion of the Seventh-day Adventist Church. Special attention is given to the role of Ellen G. White in the growing church.

Credits: 3

Semester Offered: Fall

Spring

RELH 233: Biblical Archaeology

A study of the history of archaeology, recent achievements, and archaeological method.

Credits: 3

Semester Offered: Spring

RELH 314: Origin & Development of the Bible

A study of the history and development of the written material and canon of Scripture, covering the Old Testament, intertestamental literature, and the New Testament. It also reviews the development of the English Bible and evaluates different translations.

Credits: 3

Semester Offered: Fall

RELH 320: Ellen White Writings

A course designed to give experience and guidelines in the study of the writings of Ellen G. White. The four major foci of the course are the historical context of the life of Ellen White, the development of her major literary works, the themes that tie her writings together across time, and principles for sound interpretation and current application of her writings.

Credits: 3

Semester Offered: Spring

RELH 331: History of Christianity I

A study of the rise and impact of Christianity in the Roman world and western culture. Attention is given to theological and social movements, the influence of Islam, the crusades, expansionism, and religious adaptation to modern life. (Also taught as HIST 331)

Credits: 3

Semester Offered: Fall

RELH 332: History of Christianity II

A study of the rise and development from the Reformation through the growth of American religion. (Also taught as HIST 332)

Credits: 3

Semester Offered: Spring

RELL 240: New Testament Greek I

An introductory study of the elements of New Testament Greek. Emphasis on the fundamentals of grammar and vocabulary. Translation from selected NT passages.

Credits: 5

Semester Offered: Fall

RELL 241: New Testament Greek II

An introductory study of the elements of New Testament Greek. Emphasis on the fundamentals of grammar and vocabulary. Translation from selected NT passages.

Credits: 4

Prerequisites:

RELL 240

Semester Offered: Spring

RELL 340: Intermediate New Testament Greek

Continued reading in the Greek New Testament with emphasis on grammar and syntax, with interpretive translation of selected portions of the New Testament. Includes preparation for the Seminary Greek exam.

Credits: 3

Prerequisites:

RELL 241

Semester Offered: Summer

RELL 343: Biblical Hebrew I

An introductory course in the elements of Biblical Hebrew with emphasis on basic grammar and a working vocabulary. The second semester will include grammar review, but will focus on translation from selected Old Testament passages. Includes preparation for the Seminary Hebrew exam.

Credits: 3

Semester Offered: Fall

RELL 344: Biblical Hebrew II

An introductory course in the elements of Biblical Hebrew with emphasis on basic grammar and a working vocabulary. The second semester will include grammar review, but will focus on translation from selected Old Testament passages. Includes preparation for the Seminary Hebrew exam.

Credits: 3

Prerequisites:

RELL 343

Semester Offered: Spring

RELP 210: Introduction to Missions

Required for all student missionaries prior to service abroad. An introduction to issues and ideas in missions. Examines cultures and religions from the perspective of the national and the student missionary.

Credits: 1

Semester Offered: Spring

RELP 215: Introduction to Pastoral Ministry

This class is designed to introduce beginning ministerial students into some aspects of church ministry and church life. It covers studies in pastoral leadership, spirituality in ministry, the pastoral family, planning and counseling.

Credits: 3

Semester Offered: Fall

RELP 220: Personal Evangelistic Ministry

A study of the biblical principles of the art and technique of personal evangelism. The student is taught to use the Scriptures effectively, to prepare and give specific Bible studies, to meet objections, and to gain decisions for Christ.

Credits: 3

Semester Offered: Fall, Spring

RELP 271: Ministries Internship

This course allows the student to earn credit through professionally directed mission, evangelistic, colporteur or youth camp programs. Arrangements must be made with the instructor prior to starting the internship and supervision will take place at the location of the internship. Credit earned will be elective only and will not apply to the general education religion requirement or toward a major or minor. Grading is on a pass/fail basis. May be repeated for a total of 3 hours.

Credits: 1-3

RELP 323: Biblical Preaching I

A study of the basic concepts of biblical preaching and sermon preparation, including persuasion, human responses, the art of illustration and effective structure. The second semester features actual practice in preparation and delivery in various church settings.

Credits: 3

Prerequisites:

COMM 110

Semester Offered: Fall

RELP 324: Biblical Preaching II

A study of the basic concepts of biblical preaching and sermon preparation, including persuasion, human responses, the art of illustration and effective structure. The second semester features actual practice in preparation and delivery in various church settings.

Credits: 3

Prerequisites:

RELP 323

Semester Offered: Spring

RELP 415: Pastoral Ministry

This class is designed for senior ministerial students. It covers applied studies in church ministry, like pastoral leadership, care, visitation, counseling, and church administration with special attention to organization and finances. The course will be enriched by visits of specialists. This course also requires students to take the Seminary's Church Policy exam a pre-requisite for admission in the M.Div. program. Its successful completion is valid for two years.

Credits: 3

Prerequisites:

PSYC 212

RELP 425

Semester Offered: Spring

RELP 420: Pastoral Practicum

Supervised field work in area churches as coordinated by the department. Designed to give practical experience in a wide variety of pastoral situations. May be repeated once for credit upon approval of the religion faculty.

Credits: 1

Prerequisites:

RELP 323, 324 completed or taken concurrently

Semester Offered: Fall

Spring

RELP 425: Field Evangelism

This course provides classroom instruction and practical involvement in a main evangelistic crusade led by a successful professional evangelist. The evangelist's meetings are followed by the students' own two-week series in churches selected by the hosting Conference. All facets of the course are taught in the city where the series is conducted. Taught on an arranged basis.

Credits: 3

Co-Requisites:

RELP 220

Semester Offered: Summer

RELP 428: Hospital Ministry

This course provides opportunity for students to develop professional ministry skills in the particular field of institutional health care. Concentration of communication, assessment, collaboration with health care professionals, and exploration of personal and professional identity is particularly emphasized.

Credits: 2

Prerequisites:

Admission to junior or senior-level standing.

Semester Offered: Spring

RELT 101: Christian Beliefs

A study of the basic concepts of Christian faith and practice with emphasis on fundamental doctrines held by Seventh-day Adventists.

Credits: 3

Semester Offered: Fall

Spring

RELT 201: Bible Study Methods

This course will teach students various strategies in studying and teaching the Bible. Students will learn different study methods like the thematic, biographical, and word study as well as creating learning environments and developing lessons using a model of teaching repertoire. This class is required for Seventh-day Adventist Denominational Certification and includes Encounter training for NAD teachers seeking re-certification requirements.

Credits: 3

Semester Offered: Fall

RELT 212: Introduction to Christian Ethics

An introduction to the theory and practice of Christian morality; its biblical origins, norms, and sources of authority, including Christian approaches to basic issues such as decision-making, church-world relations, abortion, reproduction technology, euthanasia, marriage and divorce, and methods of social change.

Credits: 3

Semester Offered: Fall

RELT 312: Christian Ethics

A more in-depth study on the theory and practice of Christian morality; its biblical origins, norms, and sources of authority, including Christian approaches to basic issues such as decision-making, church-world relations, abortion, reproduction technology, euthanasia, marriage and divorce, and methods of social change.

Credits: 3

Semester Offered: Spring

RELT 325: World Religions

The course explores major world views and religious traditions, beliefs, and practices. Each religion will be examined with regard to basic human problems along with proposed solutions. From a Christian perspective, this class seeks to discover common ground and challenges between these major world religions and to encourage respect for diverse beliefs and practices. This course requires research and writing a major paper (Also taught as [HNRS 325](#)).

Credits: 3

Semester Offered: Fall

RELT 327: Integrated Wellness Connections

This course focuses on therapeutic communication with emphasis on developing meaningful connections with people in the context of diverse social environments. The intent is to meet the felt needs of individuals, with attention to those who might be dealing with a life crisis. Includes exploration of personal and professional identity and values related to a whole-person approach with application of CREATION Health and other positive lifestyle principles.

Credits: 3

Prerequisites:

[UNIV 111](#)

Semester Offered: Fall

RELT 355: Survey of Christian Worship

A survey of the general history and development of the Christian liturgy, with a special focus on the unique development of the Adventist liturgy. The course will examine the roles that music, art, theology, and culture play in Christian worship. The course will include recordings, visuals, lectures, and field trips (Also taught as MUHL 355 and HNRS 355).

Credits: 3

Semester Offered: Fall

RELT 360: Philosophy and the Christian Worldview

An introduction to philosophy from a biblical perspective and toward the formation of a Christian worldview. This course addresses the major questions of life such as: What is real? What is true? Who is God? Who am I? Why evil? Philosophical answers to these questions will be critically engaged from the standpoint of a distinctively biblical worldview. Attention is given to analytical tools for evaluating the truth of ideas and understanding the nature of existence and reality within the context of mature faith.

Credits: 3

Semester Offered: Fall

RELT 406: Christian Theology I

This course is an in-depth study of the 28 Seventh-day Adventist Fundamental Beliefs. The course furthermore serves as a general introduction to Biblical theology covering a wide range of topics, with special focus upon Biblical inspiration and interpretation, the doctrine of God, Trinity, and hermeneutics. Attention is furthermore given to the way selected writers have handled theological issues along with pertinent Biblical material.

Credits: 3

Prerequisites:

[RELT 101](#)

Semester Offered: Fall

RELT 407: Christian Theology II

This course expands upon Christian Theology I to provide further study about the 28 Seventh-day Adventist Fundamental Beliefs. The course serves as a general introduction to Christian theology by covering additional topics, notably the doctrine of the church eschatology, the cross of Christ and the Incarnation, and sanctuary doctrine. Attention is furthermore given to the way selected writers have handled theological issues along with pertinent Biblical material.

Credits: 3

Prerequisites:

[RELT 406](#)

Semester Offered: Spring

RELT 410: Biblical Conflict Resolution

A survey study of the life and teachings of Jesus as outlined in the Gospels. His principles, methods, and teachings are studied in light of their application to modern life.

Credits: 3

Semester Offered: Fall

RELT 419: Philosophy of Science

A study of the philosophies and methodologies of science. Includes a review of the history of scientific and religious thought and the role each has played in the development of modern theories of origin. (Also taught as BIOL 419 or GEOL 419.)

Credits: 3

Semester Offered: Spring

RLGN 298: Individual Study Topics

A study in an area of interest under the direction of a staff member. This study may involve research, laboratory or library work. May be repeated for a total of 2 credits.

Credits: 1-2

Prerequisites:

Approval of department chair.

RLGN 299: Directed Group Study

Intensive study of a single approved topic in the field of religion. The course takes the form of a seminar, preparation of a research report, or other guided study as arranged with the department. Content and method of study must be arranged prior to registration. May be repeated for a total of 2 credits.

Credits: 1-2

Prerequisites:

Approval of department chair.

RLGN 498: Individual Study Topics

A study in an area of interest under the direction of a staff member. This study may involve research, laboratory or library work. May be repeated for a total of 2 credits.

Credits: 1-2

Prerequisites:

Approval of department chair.

RLGN 499: Directed Group Study

Intensive study of a single approved topic in the field of religion. The course takes the form of a seminar, preparation of a research report, or other guided study as arranged with the department. Content and method of study must be arranged prior to registration. May be repeated for a total of 2 credits.

Credits: 1-2

Prerequisites:

Approval of department chair.

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