SOUTHERN NAZARENE UNIVERSITY
6729 N.W. 39th Expressway
Bethany, OK 73008
(405) 789-6400
www.snu.edu

SNU-TULSA
8210 E. Regal Court
Tulsa, OK 74133
(918) 664-4100

“Our mission is to transform lives through higher education in Christ-centered community.”
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Greetings from Southern Nazarene University, a 113 year old institution dedicated to high quality academic instruction and research, and to developing the whole person in mind, body, and spirit.

College degrees are available today in many formats; online, hybrid, commuter programs, and residential campuses. SNU is a full service university, providing what we call the ‘SNU Experience.’ Fully qualified professors, small class sizes, world class library resources, off campus study opportunities in many parts of the world, service learning in our geographic area and abroad, and an active campus life are who we are, and to what we are committed. Our students experience excellence and quality learning from credentialed caring faculty.

If you are interested in this type of educational experience, consider SNU as an option to further investigate. Our mission of ‘transforming lives through higher education in Christ centered community’ could be fulfilled in your life. We invite you to check out our programs and philosophy of preparing students for full and productive lives. We would love to have the chance to discuss our university with you.

May God bless and guide you in this time of searching and deciding on your next educational steps.

Loren P. Gresham, Ph.D.
President, Southern Nazarene University
ACADEMIC PROGRAMS BY DEGREE

Programs listed below are for traditional students unless noted as Professional Studies.

**Associate of Arts Degree Programs**
- Aviation
- Business
- Coaching
- Cultural & Communication Studies
- English as a Foreign Language
- Exercise Science
- General Studies

**Bachelors Degree Majors**
- Accounting (BS)
- Athletic Training (BS)
- Aviation-Business (BS)
- Biology (BS)
- Biology-Chemistry (BS)
- Business Administration (BS)
- Business Administration (BS) (Professional Studies)
- Business Administration/Pre-law (BS)
- Business Multidisciplinary (BA/BS)
- Chemistry (BS)
- Computer Science (BS)
- Cultural & Communication Studies (BA)
- Early Childhood Education (BS)
- Education - Liberal Studies (BS)
- Elementary Education (BS)
- English (BA)
- English-Language/Culture, Literature, or Writing (BA)
- English Education (BA)
- Environmental Studies (BS)
- Exercise Science (BS)
- Family Studies and Gerontology (BS) (Professional Studies)
- Finance (BS)
- Graphic Design (BA)
- History (BA)
- Human Relations (BS)
- International Studies (BA)
- Kinesiology (BS)
- Management (BS)
- Management Information Systems (BS)
- Marketing (BS)
- Mass Communication (BA)
- Mathematics (BA/BS)
- Mathematics Education (BS)
- Missions (BA)
- Music (BA)
- Music Business (BS)
- Music Education—Vocal or Instrumental (B.M.E.)
- Music Performance—Vocal, Instrumental or Keyboard (BS)
- Network Engineering (BS)
- Network Management (BS) (Professional Studies)
- Nursing (BS)
- Nursing—RN/BS (BS) (Professional Studies)
- Organizational Leadership (BS) (Professional Studies)
- Pastoral Ministry (BA/BS)
- Philosophy (BA)
- Physical Education - P-12 (BS)
- Physical Education - Sports and Leisure (BS)
- Physics (BS)
- Politics and Law (BA)
- Pre-occupational Therapy (BS)
- Pre-physical Therapy (BS)
- Psychology (BA/BS)
- Public Relations (BS)
- Science Education (BA)
- Social Studies Education (BS)
- Sociology (BS)
- Software Development (BS)
- Spanish (BA)
- Spanish-English Translation (BA)
- Speech Communication (BA/BS)
- Sport Information (BS)
- Sport Management (BS)
- Statistics/Actuarial Science (BS)
- Theology (BA)
- Worship Arts (BS)
- Youth Ministry (BS)

**Minors**
- Art
- Biblical Languages
- Biology
- Business
- Chemistry
- Children's Ministry
- Church Music
- Coaching
- Creative Writing
- Cross-cultural Ministry
- Cultural & Communication Studies
- English
- Equine Studies
- Geography
- English as a Foreign Language
- History
- Mass Communication
- Mathematics
- Music
- Spanish
- Philosophy
- Physics
- Psychology
- Sociology
- Speech Communication
- Theology
- Urban Ministry
- Youth Ministry

**Pre-professional Programs**
- Allied Health
- Pre-agriculture
- Pre-architecture
- Pre-engineering
- Pre-medicine
- Pre-medical Technology
- Pre-optometry
- Pre-pharmacy
- Pre-seminary
General Information

Our mission is to transform lives through higher education in Christ-centered community. As a Christian community of scholars, we model the hospitality of grace, the pursuit of truth, and the practice of discipleship, all within the Wesleyan-holiness tradition, as we prepare graduates who think with clarity, act with integrity, and serve with purpose.

Founded in 1899, Southern Nazarene University is a private, Christian, liberal arts university affiliated with the Church of the Nazarene. Located on a 44-acre campus just west of Oklahoma City, SNU grew out of several small colleges committed to training people for service to God and their fellow man. More than 30,000 alumni work and serve throughout the United States and the world.
CATALOG INFORMATION

1. This catalog is for informational purposes for the general public and does not constitute a contract.

2. Southern Nazarene University reserves the right to change, delete, supplement, or otherwise amend any information as necessary without prior notice or obligation. The official and current SNU policies, procedures and academic offerings are housed in the Office of Academic Affairs (Bresee 200).

3. It is intended that the program and graduation requirements and policies contained in this catalog will remain in force during the period for which it is issued (July 1, 2012—June 30, 2013).

4. Program and graduation requirement changes and changes in policies will be implemented annually on July 1; however, SNU reserves the right to make whatever changes in curricula and policies when it is appropriate and necessary.

5. Changes implemented before a revision of the catalog is published online are recorded and housed in the Office of Academic Affairs and are considered part of the official Southern Nazarene University catalog.

6. Course offerings at SNU are based on student enrollment and adequate demand. Courses offered may be changed without prior notice.

7. The course descriptions listed are current at the time of publication of this catalog. However, some courses listed may not be offered each semester.

STATEMENT OF NONDISCRIMINATION

Southern Nazarene University does not discriminate on the basis of race, sex, age, color, national or ethnic origin, marital status, or disability in the recruitment, admission, and treatment of students or access to university programs or activities including the operation of all university programs, activities, services and employment. The following person has been designated to handle inquiries regarding nondiscrimination policies including Title IX, Section 504 of the Rehabilitation Act of 1973, and Age Discrimination:

University Provost
Southern Nazarene University, Bresee Hall
6729 NW 39th Expressway
Bethany, OK 73008
405-491-6600

CONFIDENTIALITY OF STUDENT RECORDS

Southern Nazarene University is the custodian of many types of student records and recognizes a duty to protect the confidentiality of the information contained therein. SNU reserves the right to notify the general public of general information about its students, such as address, telephone number, college major, classification, and graduation date, if applicable. Student records are available for official use to authorized personnel who demonstrate a need to have access to such records. Students have access at reasonable times and under reasonable conditions to their SNU records.

DEFINING VALUES

MISSION

Our mission is to transform lives through higher education in Christ-centered community. As a Christian community of scholars, we model the hospitality of grace, the pursuit of truth, and the practice of discipleship, all within the Wesleyan-holiness tradition, as we prepare graduates who think with clarity, act with integrity, and serve with purpose.
PURPOSE
Southern Nazarene University is the church at work in higher education; it is the primary postsecondary educational institution for the Church of the Nazarene in the South Central Region of the United States. We derive our mission and core values *ex corde ecclesiae*—from the heart of the church. A deep and vital relationship with the Church of the Nazarene is essential to SNU's mission and a nonnegotiable starting point in all we do. While governance and support comes primarily from the South Central Region, the university serves and partners with the work of the Church around the world. The mission of the Church of the Nazarene is "to make Christlike disciples in the nations."

Southern Nazarene University exists as an institution of the Church of the Nazarene to facilitate the work of Christ in the world. SNU's mandate is to seek truth with integrity, to explore long-held traditions and assumptions, to formulate an understanding of the world that is consistent with divine revelation and human experience, and to share in the formation of Christlike disciples. Thus, preparing graduates for a broadly defined Christian ministry is an underlying goal of all academic and cocurricular programs.

SNU exists so that the experience of learning will contribute to learners' inward transformation. Our intention is that persons who learn with us will come to a clearer understanding of themselves and of the world in which they live, and then see their place and purpose in life. We desire to facilitate students' encounter with learning in ways that prompt them to ask the ultimate questions of life and the meaning of human existence. Asking and attempting to answer those questions provides the occasions for students to consider who they are in relation to God. We genuinely affirm that God purposes to encounter persons who are seeking true meaning for life, and such encounters have transformative potential for human beings.

MOTTO
The University motto of "Character-Culture-Christ" was first introduced in 1933, and although the mission has undergone various modifications, the descriptors of the motto reflect the institution's most basic ideals. The continuity provided by this motto keeps the institution focused on the pivotal role of education in character development, the nurturing of cultural analysis and critique, and the tremendous potential of simultaneously pursuing the best in education and Christian commitment.

FOCUS ON EXCELLENCE IN ACADEMICS
We are committed to providing students with the best possible university-level education. We see no conflict between academic excellence and Christian commitment. We work at living out and acting upon the affirmation that all truth is God's truth. That affirmation allows us to explore fully any area of human knowledge while recognizing that human knowledge always has its limitations. We pursue higher learning within the framework of our confession that ultimate Truth is available only to God, who allows human beings to catch glimpses of that truth. Higher education as carried out at SNU thus has the first goal of honoring God. Only when that is done can its second goal, serving and helping humankind, have the genuine potential for fulfillment.

At its heart, the university is a residential gathering of scholars, supported by a corps of professional staff and administration. Each scholar pursues his or her own discipline and specialized area of inquiry by engaging in one or more forms of scholarship—discovery, integration, engagement, and teaching. Advanced, sustained scholarship, when combined with effective teaching and learning opportunities, provides depth and challenge in the curriculum. As students participate in scholarly work with faculty, they are invited to experience another dimension of intellectual life and prepared to pursue advanced academic work themselves. This student-faculty relationship is initiation, modeling and mentoring at their best. And students have opportunities to practice habits of mind and heart that reflect education in its fullest and best expressions as they participate in community life with peers and support staff.

SNU is known for its challenging academic programs and the quality of its graduates. We invite students from diverse ethnic, socioeconomic, cultural and faith backgrounds and provide the resources and
support necessary for such students to feel welcome and to flourish. We know that we will not achieve the high level of academic quality and transformative campus environment we desire and value without diversity in our community. Our theology compels us to extend hospitality; our academic mission cannot be achieved fully without it.

The core activities of an excellent teaching university are to teach, to shape, and to send. We intend for students to complete their courses of study and graduate with the requisite intellectual skills and knowledge befitting a university graduate. We also intend for our graduates to be persons of Christian integrity, direction, and purpose, with a keen sense of vocation and a theology of everyday life that will guide their work and shape their involvement in service and ministry wherever they find their place—around the corner or around the world.

Excellence in teaching requires professors who love learning and are motivated by a deep desire to partner with their students in discovering and discussing new ideas. Professors are encouraged, and indeed make every effort, to remain current with the latest research and issues in their area. Professors acknowledge they are scholarly role models: they read professional journals; write for publication; and present at workshops, conferences and conventions while encouraging their students to do the same. Professors do not insist that students accept their views, but they encourage students to examine issues, theories, and ideas so they can express their points of view with supporting evidence.

In General Education courses and many major courses, students spend class time engaging important texts and required readings; professors encourage students to question and debate topics so that they can develop higher-level thinking skills. In classes where excellence is displayed, professors use innovative pedagogy; they frequently employ small group discussions, debates, and facilitate experiential and service learning when possible, along with appropriate technology. During class, professors evidence the ongoing work of integrating Christian faith with their learning and provide a forum for students to do the same. When excellent teaching occurs, students leave the course thinking differently about the topic and their own education.

**Educational Goals**

Academic programs at Southern Nazarene University are designed to achieve two major educational goals:

1. to help students become critical and creative thinkers who can clearly discern and communicate a Christian perspective in every aspect of life, and
2. to prepare students for successful professional careers.

Working toward the fulfillment of the first goal, SNU's General Education program is an integral part of a liberal arts education. The General Education program attempts to introduce students to the knowledge and skills necessary for both academic success and effective citizenship. To these ends, SNU students engage in course work focusing on developing their skills in written and oral communication, critical thinking and problem solving. Students are also provided with opportunities to learn how to think in those domains key to being a well-rounded Christian person and citizen in the modern world (critical thinking and problem solving; effective communication; aesthetic analysis; global perspectives; science, mathematics and technology; Christian, scripture, and tradition and civic, ethics and stewardship). Pervading the entire General Education program is an emphasis on encouraging each student to engage in learning that integrates experiences in class with enriching experiences outside of class designed to break down artificial barriers between academic learning and real life. Through these experiences, SNU students learn to apply Christian faith and principles to the fundamental questions of thought and life. The knowledge and skills learned by students in their general studies reinforce and support the skills and knowledge necessary to succeed in the areas of study in which students elect to specialize.

To achieve the second educational goal of professional preparation, many bachelor’s degree programs in specialized areas and the selected master’s degree programs have been developed and refined at SNU.
over the years. Each of these programs of study provide students with the opportunity to learn the skills and knowledge germane to the particular discipline as determined by faculty with professional qualifications in the area.

**Academic Commitment**

The success of SNU graduates reflects the commitment of faculty and administrators to thoroughly prepare students for their chosen avenues of service. SNU graduates enter a wide variety of occupational settings after having earned well-respected academic credentials at the university. Likewise, graduates from the University’s preprofessional programs are welcomed as strong candidates into the best professional schools all over the country.

While SNU faculty members are active, respected and published in their professions, their principal concern is to teach effectively. Nearly all of the full-time faculty members teach lower-division and upper-division courses. A favorable faculty-student ratio makes it possible for students to receive personalized help not available at many larger universities. SNU students are also fortunate to have facilities, equipment and opportunities usually available only at much larger universities.

**HERITAGE**

**Institutional History**

Southern Nazarene University is the recognized university for the South Central educational region of the Church of the Nazarene, which includes Oklahoma, Arkansas, Texas and Louisiana. Known since 1986 as Southern Nazarene University (formerly Bethany Peniel College/Bethany Nazarene College), the institution developed through the merging of several educational institutions with the college located at Bethany.

These educational institutions were founded by men and women who felt the urgent need for trained Christian leadership, both lay and ministerial. In order to provide the best instruction for students in their educational region and to meet the demands of increasing educational requirements set by the Church and the State, educators periodically merged their schools. Grade records from these schools are on file in the Office of the Registrar at Southern Nazarene University.

- Peniel College - founded 1899, Peniel, Texas (merged 1920)
- Arkansas Holiness College - founded 1900, Vilonia, Arkansas (merged 1931)
- Bresee College - founded 1905, Hutchinson, Kansas (merged 1940)
- Beulah Heights College - founded 1906, Oklahoma City, Oklahoma (merged 1909)
- Oklahoma Holiness College - founded 1909, Bethany, Oklahoma (merged 1920)
- Central Nazarene University - founded 1910, Hamlin, Texas (merged 1929)

**Institutional Presidents**

Presidents of Southern Nazarene University since its merger have been:

- A.K. Bracken, 1920-28
- S.S. White, 1928-1930
- A.K. Bracken, 1930-42
- S.T. Ludwig, 1942-44
- Oscar J. Finch, 1944-1947
- Roy H. Cantrell, 1947-72
- Stephen W. Nease, 1972-76
- John A. Knight, 1976-85
- Ponder W. Gilliland, 1985-89
- Loren P. Gresham, 1989-

**FOCUS ON CHRISTIAN COMMUNITY**

Our educational mission is fulfilled within Christ-centered community. That community comes from the common pursuit of scholarship. However, our fundamental community arises and exists through our shared commitment to the person and work of Christ. We confess that God has made known through
Christ the most significant truth that can be known by humankind—God's nature and purpose. Thus, we are most truly a community when we are focused upon God's call to live and work in ways that express the life and likeness of Christ. We belong together as learners and teachers because we all first of all belong to Christ.

ACCREDITATIONS AND MEMBERSHIPS

**Southern Nazarene University is...**

- an approved four-year senior college for the South Central region of the Church of the Nazarene.
- accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools with accreditation through the Master's program. (North Central Association of Colleges and Schools, Commission on Institutions of Higher Education, 230 S. LaSalle Street, Suite 7-500, Chicago, IL 60604; phone number 800-621-7440).
- accredited for Master of Arts degree programs in Theology, Teacher Education, Educational Leadership, and Marriage and Family Therapy; Master of Business Administration; and Master of Science in Management and in Counseling Psychology.
- accredited by the National Council for the Accreditation of Teacher Education (NCATE).
- accredited by the Commission on Collegiate Nursing Education.
- accredited by the Commission on Accreditation of Athletic Training Education.
- accredited by the National Association of Schools of Music.
- accredited by the Association of College and Business School Programs (ACBSP).
- approved by the Oklahoma Board of Nursing.
- approved for Teacher Education by the Oklahoma State Board of Education.
- a member of the International Board of Education (Church of the Nazarene).
- a member of the American Association of Colleges of Nursing.
- a member of the Association of Governing Boards of Universities and Colleges.
- a member of the Oklahoma Independent Colleges and Universities.
- a member of the American Association of Colleges for Teacher Education.
- a member of the Council for Christian Colleges and Universities.
- a member of the Association for Continuing Higher Education (ACHE).
- member of the Council for Adult and Experiential Learning.
- a member of the Christian Adult Higher Education Association (CAHEA).
MAIN CAMPUS FACILITIES

The Southern Nazarene University main campus is located on a 44-acre site in Bethany, Oklahoma, a western suburb of Oklahoma City. An additional 137 acres is under long-term lease from the Oklahoma City Airport Authority and City of Bethany for use as an athletic complex. As Oklahoma's largest city, Oklahoma City is at the crossroads of three interstate highways (I-40, I-44, and I-35) and is served by several national and regional airlines. SNU also maintains a campus center in Tulsa, Oklahoma, and a classroom site in Del City, Oklahoma.

A.M. Hills Hall
The A.M. Hills Residential Complex officially opened in January 2011 and houses 288 students in four and eight person suites. In addition to student housing rooms, students have common lobbies, study areas and a common kitchen. This LEED certified facility also includes new classrooms, complete with smart boards, and the Bud Robinson Conference Room, which can hold 300 people for meetings and dinners.

Bresee Hall is an SNU landmark. Originally built in 1918, it was added to in 1941 and renovated in 1993. SNU's administrative offices are located in this building.

Broadhurst Physical Education Center, remodeled in 2002, is a center of activity for intramural activities, and campus Leisure Services, as well as the primary classroom and office facility for the Department of Kinesiology.

Cantrell Music Hall, which was built in 1934 and extensively renovated in 1975, houses a small recital hall, an excellent Bosendorfer grand piano, and a 37-stop Schliker tracker pipe organ. Some faculty offices for the School of Music are located here.

The Fine Arts Center, renovated in 1989, houses a number of teaching studios for School of Music, several large classrooms, rehearsal rooms for various vocal and instrumental ensembles, and practice rooms available for student use. Also, a commercial quality recording studio featuring two control rooms, six isolation rooms and a MIDI production room. The Department of Art & Design houses the Macintosh Computer Lab, the Design & Fine Art Studios and the Nila Murrow Gallery where design and fine art work is showcased throughout the school year.

Herrick Hall, renovated in 1997, houses faculty offices and classrooms for the School of Education and for the Division of Cultural and Communication Studies (English, Mass Communication, Speech and Modern Language), as well as the TV studio. Herrick Auditorium is the site for SNU’s chapel services. The University’s Information Technology Center, Print Shop, and other offices are located in this building as well.

H. L. Short Prayer Chapel was built in the mid 1960s after Ludwig Hall was completed in 1963. The chapel is used by faculty, students and staff for individual prayer and is at times used as a wedding chapel.

Ludwig Hall is the site for the classrooms and offices of the SNU School of Theology and Ministry.

The Marchant Family Alumni and Welcome Center, completed and dedicated November 2005, serves as SNU’s front door welcoming returning alumni and prospective students and their families. Housing the Office of Alumni Relations and the Office of Admissions, the Marchant Center also features displays from the Fred Floyd Archives in its Moore Heritage Hall and additional SNU statuary in Showalter Heritage Garden.

The Royce Brown Building, built in 1981, provides on the first floor, classrooms, conference rooms, and office space for the SNU School of Business and Graduate Studies in Management. The building's second floor is the site of classrooms and offices for the College of Graduate and Professional Studies.
The **R. T. Williams Learning Resources Center (LRC)** houses the SNU Library, McNair Scholars Program, Fred Floyd Archives, Academic Center for Excellence (ACE), Testing Services, Online Center and Center for Teaching and Learning. In addition to its in-house collections, the library hosts electronic full-text access to a large number of periodicals. Public access is available through SNU’s Website, and interlibrary loan service provides access to millions of books and periodicals throughout the nation. The Archives provide access materials concerning the history of SNU. Housed on 3rd floor is the Academic Center for Excellence which provides a variety of academic support services. Testing Services provides proctors for Residual ACT exams, CLEP testing for course credit, and other degree specific proficiency exams. The LRC 3rd floor is also home to the federally funded Ronald E. McNair Postbaccalaureate Scholars Program for high-achieving students from an underrepresented population.

The **Sawyer Center**, a 98,000 square foot, multimillion dollar, state-of-the-art facility is the home of Crimson Storm men's and women's basketball and women's volleyball and provides practice facilities for other varsity sports. The center hosts Commencement exercises, concerts, dinners, etc., and has been recognized as one of the finest small college facilities in the nation.

**W. Don Beaver Science Hall** is located just southeast of the Webster Commons, houses the undergraduate programs of the Division of Science and Mathematics, is the location for both graduate and undergraduate programs of the School of Nursing, and provides classroom space for both the undergraduate and graduate programs of the Division of Social and Behavioral Sciences. The Beaver Science building also includes laboratory facilities for the undergraduate programs in biology, chemistry, computing, geography, nursing, physics, and psychology and counseling.

The **Webster Commons** houses a variety of student services, including the Sodexo dining hall, the Storm Cellar Cafe, Pop’s Lounge, conference rooms, University Store, the Student Health Services, Student Government Association offices, the Echo and Arrow offices, the Office of Spiritual Development, and the Office of Student Development (including Community Life, Counseling Center, Career Center, and Housing).

**SNU-TULSA FACILITIES**

Southern Nazarene University-Tulsa is a fully-staffed satellite campus located in south Tulsa’s Regal Plaza at 8210 S. Regal Court (105th and S. Memorial) in a 17,000 square foot building containing nine classrooms along with administrative offices, computer kiosk/copier area, gift store and refreshment area. The SNU-Tulsa campus offers evening and weekend courses for adult learners in both graduate and undergraduate degree programs. It also offers the popular “Bridge” program for adult learners who need quality, fast-track General Education courses.
### ACADEMIC CALENDAR - 2012-2013/2013-2014

#### FALL SEMESTER - 2012
- **Admission Forms Deadline**: See Web site (www.snu.edu)
- **New Faculty Orientation**: Aug. 14 (Tu)
- **Faculty Convocation & Workshop**: Aug. 15 (W)
- **New Student Institute**: Aug. 17-21 (F-Tu)
- **Registration**: Aug. 21-22 (Tu-W)
- **Classes Begin**: Aug. 22 (W)
- **Last Day to Enroll with no late fee**: Aug. 22 (W)
- **Last day for new enrollment/adds**: Aug. 29 (W)
- **Labor Day Holiday - Campus Closed**: Sept. 3 (M)
- **Fall Break**: Oct. 11-12 (Th-F)
- **Last day to drop classes**: Nov. 2 (F)
- **Board of Trustees Meeting**: Nov. 9-10 (F-Sa)
- **Thanksgiving Break - No Classes**: Nov. 21 (W)
- **Thanksgiving Break - Campus Closed**: Nov. 22-23 (Th-F)
- **Winter Commencement (2 p.m.)**: Dec. 8 (Sa)
- **Final Exams**: Dec. 10-13 (M-Th)
- **Semester Ends**: Dec. 13 (Th)
- **Christmas Break - Campus Closed**: Dec. 24-Jan. 1 (M-Tu)

#### SPRING SEMESTER - 2013
- **Admission Forms Deadline**: See Web site (www.snu.edu)
- **Faculty Workshop**: Jan. 7 (M)
- **New Student Orientation**: Jan. 7-9 (M-W)
- **Registration**: Jan. 9-10 (W-Th)
- **Classes Begin**: Jan. 10 (Th)
- **Last Day to Enroll (No Late Fee)**: Jan. 10 (Th)
- **Last Day for New Enrollment/Adds**: Jan. 17 (Th)
- **Martin Luther King, Jr. Day, - No Classes**: Jan. 21 (M)
- **Spring Break**: Mar. 18-22 (M-F)
- **Last day to drop classes**: March 28 (Th)
- **Good Friday - Campus Closed in PM**: Mar. 29 (F)
- **Easter Break - No Classes**: Mar. 29 & Apr. 1 (F & M)
- **Board of Trustees Meeting**: May 9-10 (Th-F)
- **Final Exams**: May 6-9 (M-Th)
- **Semester Ends**: May 9 (Th)
- **Spring Commencement**: 10 a.m. & 2 p.m., May 11 (Sa)

#### SUMMER SESSIONS - 2013
- **Registration**: May 10 & 13 (F & M)
- **Summer Session 1 - May 13 (M)** - June 21 (F)
- **Memorial Day - Campus Closed**: May 27 (M)
- **Independence Day - Campus Closed**: July 4 (Th)
- **Summer Session 2 - July 8 (M)** - Aug. 16 (F)

#### FALL SEMESTER - 2013
- **Admission Forms Deadline**: See Web site (www.snu.edu)
- **New Faculty Orientation**: Aug. 13 (Tu)
- **Faculty Convocation & Workshop**: Aug. 14 (W)
- **New Student Institute**: Aug. 16-20 (F-Tu)
- **Registration**: Aug. 20-21 (Tu-W)
- **Classes Begin**: Aug. 21 (W)
- **Last Day to Enroll with no late fee**: Aug. 21 (W)
- **Last day for new enrollment/adds**: Aug. 28 (W)
- **Labor Day Holiday - Campus Closed**: Sept. 2 (M)
- **Fall Break**: Oct. 10-11 (Th-F)
- **Last day to drop classes**: Nov. 1 (F)
- **Board of Trustees Meeting**: Nov. 7-8 (Th-F)
- **Alumni Homecoming**: Nov. 8-9 (F-Sa)
- **Thanksgiving Break - No Classes**: Nov. 20 (W)
- **Thanksgiving Break - Campus Closed**: Nov. 21-22 (Th-F)
- **Winter Commencement (2 p.m.)**: Dec. 7 (Sa)
- **Final Exams**: Dec. 9-12 (M-Th)
- **Semester Ends**: Dec. 12 (Th)
- **Christmas Break - Campus Closed**: Dec. 24-Jan. 1 (T-T)

#### SPRING SEMESTER - 2014
- **Admission Forms Deadline**: See Web site (www.snu.edu)
- **Faculty Workshop**: Jan. 6 (M)
- **New Student Orientation**: Jan. 6-8 (M-W)
- **Registration**: Jan. 8-9 (W-Th)
- **Classes Begin**: Jan. 9 (Th)
- **Last Day to Enroll (No Late Fee)**: Jan. 9 (Th)
- **Last Day for New Enrollment/Adds**: Jan. 16 (Th)
- **Martin Luther King, Jr. Day, - No Classes**: Jan. 20 (M)
- **Spring Break**: Mar. 17-21 (M-F)
- **Last day to drop classes**: March 28 (Th)
- **Good Friday - Campus Closed in PM**: Apr. 18 (F)
- **Easter Break - No Classes**: Apr. 18 & 21 (F & M)
- **Board of Trustees Meeting**: May 8-9 (Th-F)
- **Final Exams**: May 5-8 (M-Th)
- **Semester Ends**: May 8 (Th)
- **Spring Commencement**: 10 a.m. & 2 p.m., May 10 (Sa)

#### SUMMER SESSIONS - 2014
- **Registration**: May 9 & 12 (F & M)
- **Summer Session 1 - May 12 (M)** - June 20 (F)
- **Memorial Day - Campus Closed**: May 26 (M)
- **Independence Day - Campus Closed**: July 4 (F)
- **Summer Session 2 - July 7 (M)** - Aug. 15 (F)

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This calendar is tentative and subject to change.

For a REAL TIME Academic Calendar, please go to the SNU main Web site.

[www.snu.edu/academic-calendar-real-time](http://www.snu.edu/academic-calendar-real-time)
Campus Life

Student life is supported through various offices of the SNU campus (e.g. Student Development, Spiritual Development, etc.). Southern Nazarene University believes the college years are formative to students through many avenues, even those beyond the classroom experience. Because of this belief and SNU's focus on Christian community, co-curricular experiences and opportunities are provided for residential students to facilitate academic and personal growth.
CHAPEL

Purpose for Chapel
Chapel is an identity defining moment in the life of Southern Nazarene University. Twice weekly the campus gathers as a community to worship our Lord and to be reminded who we are and why we are here. This gathering is an essential part of the mission of the University, “as a Christian community of scholars, we model the hospitality of grace, the pursuit of truth, and the practice of discipleship, all within the Wesleyan-holiness tradition, as we prepare graduates who think with clarity, act with integrity, and serve with purpose.” Everything we do as an academic community emerges from worship and thanksgiving to God for what he has done through Jesus Christ and continues to do through the Holy Spirit. For this reason, the identity defining moment of chapel worship is central to the mission of SNU.

Chapel Requirements
Chapel meets each Tuesday and Thursday and forms the cornerstone of Spiritual Development efforts at SNU. Chapel is the only setting in which the entire campus gathers regularly for worship, enrichment, and community building. Students are exposed to a variety of speakers, challenged to expand their worldview, encouraged to be their best, and challenged by the implications of the Christian faith. Students participate in music and worship leadership. Because of its significance to campus life, attendance is required of all students enrolled in seven or more credit hours. Graduate students and undergraduates 23 or over are exempt from required Chapel attendance. Students who have passed eight semesters of Chapel may be exempt with approval from the Office of Student Development.

For the Chapel syllabus and other important information, please go to the SNU main Web site: http://www.snu.edu/chapel-syllabus.

INTERCOLLEGIATE ATHLETICS

Southern Nazarene University has been accepted into the National Collegiate Athletic Association (NCAA) Division II Membership Process and began the three-year process in 2011. SNU has also been granted a provisional membership with the Great American Conference, and will gain full acceptance upon completing the three-year NCAA membership process. SNU is also a member of the National Christian College Athletic Association (NCCAA) which allows SNU other post-season opportunities.

Through athletic competition, students who are skilled athletes have the opportunity to excel to the highest potential of their abilities. The development of Christian faith and character, as well as academic success, are fundamental goals of the athletic program of SNU.

Intercollegiate sports information and news can be found at the Crimson Storm athletics Web site at www.snuathletics.com.

RESIDENCE LIFE

Southern Nazarene University is primarily a residential campus. The University believes the residential experience can contribute greatly to students’ development, enhancing their total university experience. Additionally, by living on campus and participating in this aspect of university life, the individual student contributes to the creation of the “spirit of place” or distinctive sense of community which SNU has long exhibited.

Southern Nazarene University values the holistic learning experiences unique in a liberal arts education. National studies and best practices confirm that a student living on campus is better able to benefit from the living-learning community that SNU aspires to create. Research clearly shows that students who live on campus have higher levels of academic engagement and perform better in class, thus are more likely to persist to graduation. Additionally, students who live on campus are able to develop strong interpersonal relationships with faculty, staff, students and administrators which foster a community of learners important to the educational mission of the university.
In response to this philosophy, SNU's residential policy states that single students under 22 years of age are to live in residence at the university in one of its on-campus housing facilities. Current practices have allowed students who wish to live off campus and are under the age of 22 to apply for off campus housing. A request for exemption from the residential requirement will be considered on a case by case basis. Application for exemptions should be made through the Office of Student Development well in advance of the start of the semester and/or academic year.

Food service is provided to SNU by Sodexo dining services. Various meal plans are available so students can select an option that best suits their needs. Purchasing a meal plan is required of single students residing in campus housing.

A more detailed explanation of these polices is published in the SNU Student Handbook. Students can contact the Office of Student Development for detailed information as to any conditions under which an exception to policy requirements can be considered.

**STUDENT CONDUCT**

Student conduct policies are found in SNU’s Lifestyle Covenant in the SNU Student Handbook obtainable through the Office of Student Development.

**STUDENT SERVICES**

**Career Center**

Three components of services are offered through SNU’s Career Center, located in the Office of Student Development in the Webster Commons.

1. **Student Employment:** The most significant priority of the Career Center is to assist current students in locating part-time or full-time employment. A current listing of jobs on campus and in the local community is available.
2. **Career Interest:** Assistance is available to students unsure about their career direction. The Center offers vocational and interest testing, self-assessment tools, vocational outlook and career information.
3. **Placement Services:** Services include assistance in preparing resumes, enhancing interviewing skills, conducting periodic campus interviews with prospective employers, job-listing, alumni networking, and providing an annual job fair in cooperation with other local liberal arts colleges.

**Student Health Center**

The Student Health Center aims to provide primary care and health education to the students of SNU, as well as the faculty and staff of Southern Nazarene University. The Christian atmosphere of the school is continued in the health services department.

The Student Health Center functions as a division of Student Development. It is directed by a registered nurse. A licensed physician in the state of Oklahoma provides:

1. support and assistance to the Director of Student Health Services via consultation,
2. primary care to SNU students, faculty, and staff at specified times at the Student Health Center and
3. authorization for ordering medications and various supplies. Several physicians in the local community also provide medical care to the students, faculty, and staff of SNU in local private offices on referral as needed.

All medical records remain strictly confidential, and only Student Health Center personnel have access to them. We do not release information from medical records for any reason unless specific written consent is given.
SNU requires all students to have the following immunizations:

1. Proof of a current tetanus booster (the last tetanus booster must have been within 10 years)
2. Proof of 2 immunizations for measles, mumps and rubella (MMR)
3. Proof of immunization against Hepatitis B (3 doses are required)
4. Proof of immunization against Meningococcal disease as an adolescent or young adult.

State law requires that all students must receive information about the risks of Meningococcal disease, Hepatitis B, and Measles, Mumps, and Rubella (MMR), as well as the risks and benefits of the vaccines for each. All immunizations are available at the Student Health Center.

The Student Health Center is located on the lower level of the Webster Commons Building to the left of exiting elevator or stairwell.

Contact information:
Phone: (405) 491-6605
Fax: (405) 491-6683
E-mail: studenthealth@snu.edu.

Counseling Center
Recognizing that students have a variety of concerns, problems, interests, and needs, SNU provides a no-fee, on-campus counseling program staffed by professional counselors. Services are confidential, oriented towards problem solving, and designed to increase coping skills and maintain the ability to function at full capacity. Students, staff and faculty are encouraged to take advantage of these counseling opportunities, located in the Office of Student Development.

Leisure Services
The Leisure Services program is provided in conjunction with the Department of Kinesiology. Supported through student fees and facilitated by student leaders, Leisure Services offers a variety of indoor and outdoor recreational opportunities. An intramural sports program also provides activities for a majority of the student body.

Library Services
The SNU Library provides students with research resources for academic work. For information about the services the Library provides, go to the SNU main Web site at www.snu.edu/library.

Academic Support Services
The Academic Center for Excellence (ACE) seeks to facilitate transition to the university environment, provide access to resources, and assist in the pursuit of academic excellence. Services include: Academic Services, Writing & Tutoring Services, Disability Services, Student Support Services, and Testing Services.

ACADEMIC SERVICES
Academic Services is committed to assisting students in their academic transition to college as well as students who face academic challenges while progressing toward graduation.

- Personal academic counseling for students who are experiencing academic challenges while progressing toward graduation;
- Academic Advising for Undeclared Majors for students who desire assistance in choosing coursework, selecting a major, and assistance in the discovery of personal interests, abilities, and career choices;
• Strategy Courses are available for enrollment for students who need additional support with vital academic and life skills;
• Academic Accountability for students who require support to meet GPA requirements for graduation and academic success.

WRITING & TUTORING SERVICES
The Tutoring and Writing Center offers free tutoring sessions and paper review services for all traditional SNU students.

DISABILITY SERVICES (DS)
SNU provides services for all students with disabilities as defined by the Americans with Disabilities Act of 1990 as amended by the ADA Amendments Act of 2008 (ADA). A qualified person with a disability means: “an individual with a disability who, with or without reasonable modifications to rules, policies, or practices, the removal of architectural, communication, or transportation barriers, or the provision of auxiliary aids and service, meets the essential eligibility requirements for the receipt of services or the participation in programs or activities provided by a public entity” (Public Law 101-336, Sec. 201). Students are required to self-identify and to provide documentation of their disability prior to the provision of services.

In the case of medical disability, documentation from a physician is appropriate. In the case of learning disability, acceptable documentation includes a psycho-educational evaluation performed by a licensed clinical psychologist if the diagnosis was made after the completion of high school or psycho-educational evaluation from an accredited high school. Documentation provided to request academic accommodations must be less than three years old and must contain specific recommendations for accommodations appropriate to the diagnosed disability. Students with a disability that may affect academic success are encouraged to contact Disability Services at (405) 717-6272 for more information.

STUDENT SUPPORT SERVICES (SSS)
SSS is fully funded by a federal grant through the U.S. Department of Education (TRIO Programs). In order to qualify for SSS you must be:
• A first generation college student (neither parent has a bachelor’s degree)
• Have a documented disability
• Be Pell eligible

To be eligible students, the SSS program provides various support services including:
• Academic advisement and support
• Personalized tutoring
• Assistance in applying for student financial aid
• Life skills counseling
• Academic workshops
• Cultural events and educational trips
• Study center
• Referrals to campus and community resources

TESTING SERVICES
Testing Services provides proctors for Residual ACT exams, CLEP testing for course credit and other degree specific proficiency exams.
Admission Policies (Traditional)

Admission to Southern Nazarene University is based on evidence that the applicant will be able to adjust to the standards and regulations of the institution and has the necessary educational background to do satisfactory academic work. Permission to enroll at SNU is a privilege and carries with it certain responsibilities. The University reserves the right to cancel enrollment or require withdrawal if the student does not conform to the established standards of scholarship and conduct.

IN THIS CHAPTER

- PROCEDURES FOR ADMISSION
- FULL ADMISSION FOR FRESHMEN
- PROVISIONAL ADMISSION FOR FRESHMEN
- HOME-SCHOOL/GED ADMISSION FOR FRESHMEN
- EARLY ADMISSION FOR FRESHMEN
- TRANSFER ADMISSION
- INTERNATIONAL STUDENT ADMISSION
- VETERAN ADMISSION
- SCHOOL OF PROFESSIONAL STUDIES ADMISSION
PROCEDURES FOR TRADITIONAL STUDENT ADMISSION

Application for admission begins by completing processes on the admission checklist found on the SNU Web site at www.snu.edu/checklist. High school applicants cannot be admitted until all materials (an official high school transcript with class rank and graduation date, ACT or SAT scores, registration forms) are submitted to the admissions office.

Students transferring from other regionally accredited colleges/universities and planning to complete a degree program at SNU may be admitted as degree candidates. Transfer students are required to submit official college/university transcripts from all schools previously attended and a transfer information form from the last school attended prior to enrollment for classes. Official transcripts must be provided to the Office of the Registrar at least two weeks prior to the date of registration. Requests to transfer credit hours from nonaccredited institutions must be submitted in writing to the Office of Academic Affairs and will be considered on a case-by-case basis.

Exceptions to these admission policies may include freshmen matriculants who have been out of high school for four or more years.

FULL ADMISSION FOR FRESHMEN

Admission to SNU is based on several factors. Most importantly, the applicant is expected to indicate agreement with the standards of SNU. If the applicant is a graduate of an accredited high school, admission will be granted on the basis of the student’s ACT (or SAT) score and high school GPA in college preparatory courses. Full admission to SNU requires the student to have an ACT composite score of 19 or above. Those with an ACT composite score of 18 will be fully admitted only if they have no grades lower than "B" in designated college preparatory courses. For SAT test score equivalencies, please contact the SNU Office of the Registrar at (405) 491-6386.

Provisional admission may be granted to those who have a composite ACT of 18 or below. Those entering provisionally are required to enroll in a specific course or block of courses as a part of the program of study which may include University Study Strategies (G S 0113), Critical Thinking Strategies (G S 1213) and Reading Strategies (G S 0123). The program of study for such students requires completion of more than 124 credit hours. Provisionally admitted students are also placed on academic probation upon admission. This allows SNU to monitor academic progress carefully and to assure that appropriate support services can be provided to assist in academic success. Appeals of provisional admission status must be submitted in writing by the petitioning applicant to the Academic Center for Excellence.

The academic performance of provisionally admitted students will be reviewed at the completion of the first two semesters in residence at SNU. Full admission to SNU will be granted if:

- the student has successfully completed (defined as a grade of "C" or better) the prescribed course sequence noted above.
- the student has earned at least 1.75 semester GPA for the first semester and at least a 2.00 cumulative GPA on 24 earned semester hours by the end of the second traditional semester.
- the student has fulfilled any further requirements of provisional admission.

If the criteria for full admission have not been met as designated above, the student shall be declared “academically ineligible” subject to reinstatement by appeal to the Director of ACE.

PROVISIONAL ADMISSION FOR FRESHMEN

Home-school graduates are also eligible to apply for admission to SNU. These applicants are required to provide a high school transcript for work completed at the secondary level and are required (as are all
other applicants to SNU) to take either the ACT or SAT as an entrance exam. The comparable high school class of home-school applicants must have graduated prior to the date of admission.

Other applicants who are not high school graduates may be admitted on the basis of a high school equivalence certificate (GED). The high school class of those applicants must have graduated prior to the date of admission. For full admission, the applicant must also have an ACT composite score of 19 or above. Otherwise, admission will be provisional.

**EARLY ADMISSION FOR FRESHMEN**

Applicants requesting early admission will be considered on an individual basis. Criteria include evidence of high academic achievement and maturity. A supporting written recommendation from the applicant’s high school principal is also required. Requests should be submitted to the dean of the college of the student’s selected major.

**TRANSFER ADMISSION**

Students who have earned college or university credit from another regionally accredited institution are considered transfer students. The following information indicates requirements for several types of transfer students. Transcripts of transfer students who do not fall into the categories listed below will be evaluated by the Office of the Registrar and the college dean of the student’s selected major on an individual basis to determine admission status.

**Transfer Full Admission**

For those transferring from a regionally accredited institution, full admission requires that the student provide evidence of having made satisfactory progress at the colleges/universities previously attended, on the basis of the following indicators:

- The grade point average for the last semester in which the student was enrolled was above 1.50.
- The cumulative GPA for all college work attempted by the student is 2.00 or above.

If the above criteria are not met, the transferring student may be admitted provisionally.

Upon entry as a degree-seeking transfer student, a transfer assessment will be performed to determine what program requirements the student has already completed and what requirements remain to be fulfilled to complete the designated degree at SNU. Every attempt is made to establish appropriate equivalencies, but the transfer student should expect to take additional General Education and major courses to fulfill SNU requirements.

No more than 62 credit hours can be accepted from junior/community colleges in transfer. After a student has reached junior standing (having completed 57 credit hours), no more than eight credit hours will be accepted from a junior or community college without the recommendation of the student’s advisor and prior approval of the college dean of the student’s selected major.

**Transfer Provisional Admission**

Provisional admission may be granted to students who are on academic probation at other universities or colleges. When transferring to SNU, these students are placed on academic probation so that appropriate support, accountability, and monitoring can be provided through the Academic Center for Excellence.

Remedial coursework (University Study Strategies (GS 0113) and/or Critical Thinking Strategies (GS 1213)) may also be required. Students declared academically ineligible by another college or university may petition for provisional admission to SNU by submitting a written request to the Dean of the College of Teaching and Learning.
The academic performance of provisionally admitted students will be reviewed at the completion of the first and second semesters at SNU. Full admission to SNU will be granted if:

- the student has successfully completed (defined as a grade of “C” or better) the prescribed course sequence noted above.
- the student has earned at least a 1.75 semester GPA for the first semester and at least a 2.00 cumulative GPA on 24 earned semester hours by the end of the second traditional semester.
- the student has fulfilled any further requirements of provisional admissions.

If the criteria for full admission have not been met as designated above, the student shall be declared “academically ineligible” subject to reinstatement by appeal to the Director of ACE.

**Bible College Transfer Admission**

Students transferring from Bible colleges with accreditation from the Association for Biblical Higher Education (ABHE) may transfer up to 90 credit hours according to the general requirements for full acceptance of transfer work.

In addition, a Bible college transfer student planning for a major or concentration in any of the School of Theology and Ministry programs must meet established requirements set forth by the School. A minimum of 15 credit hours in religion, including courses in theology and Biblical literature, must be taken at SNU. Other specific requirements depend on the particular program of study being pursued. Bible college credit hours must be validated on the basis of successfully meeting academic coursework expectations at SNU.

Requests for transfer from nonaccredited institutions must be submitted in writing to the Dean of the College of Humanities and are considered on an individual basis.

**Transfer Nondegree-Seeking Admission**

A student who has been admitted to another college or university and plans to complete six or fewer credit hours at SNU may be admitted as a nondegree-seeking candidate. Nondegree candidate transfers must submit an official transcript from the school at which the student is currently enrolled or the last school attended. Credit hours earned as a nondegree candidate may not be used toward a degree at SNU until the student has met all requirements for full admission.

**INTERNATIONAL STUDENT ADMISSION**

Requests for admission information for international students should be addressed to the Office of International Student Services. Information detailing the admission requirements will be sent to the prospective student. Demonstration of English proficiency is required through a qualifying score. Students without qualifying TOEFL or IELTS scores may apply to SNU's Center for Applied Studies in English (ASEC).

**VETERAN ADMISSION**

Veterans who meet the requirements for admission will be allowed advanced standing to the extent that their experience in the armed forces is applicable to the program they are pursuing at SNU. The Guide to the Evaluation of Educational Experience in the Armed Forces, issued by the American Council on Education, will be followed in evaluating the student’s educational experiences for such advanced standing. A total of four credit hours in physical education will be allowed for basic or boot training, if the student is not a kinesiology major. Additional credit hours may be secured by petitioning for advanced standing in writing with the dean of the college of the student’s selected major. To secure advanced standing, the veteran must furnish transcripts of credit hours completed in institutions of higher learning and official records indicating educational achievements during military service.

**SCHOOL OF PROFESSIONAL STUDIES ADMISSION**

Entry requirements and program information for professional adult students applying to SNU’s degree-completion programs are located in a later section of this catalog.
Registration Policies (Traditional)

New Students
After a student has been accepted to SNU through the admissions process and has received the registration packet and completed and returned the forms, enrollment for classes will follow these steps:

- The student will be enrolled in the appropriate General Education courses and assigned an advisor to assist in completing the academic program planning.
- The student’s advisor will work with the student to discuss academic goals and assist in enrolling the student in the first semester of coursework during the designated time during New Student Institute (NSI).
- Financial arrangements are made through the Offices of Financial Assistance and Financial Affairs.
- The Office of Student Development should be contacted with questions regarding campus housing.

Current Students
Calendar dates are set each semester for current students to begin enrolling in courses for the following semester (see http://snu.edu/academic-calendar-real-time). Students should set appointments with their advisors well in advance of the scheduled enrollment dates.
ACADEMIC ADVISING

When entering SNU, each student is enrolled in the appropriate General Education courses and is assigned an academic advisor to assist in completing the academic program planning. Typically, the advisor is chosen from the instructional area in which the student has chosen a major. The student and advisor work together to develop a timeline for following one of the programs of study available through the designated department or school.

Should a student’s interests and goals shift, it may become necessary to seek a new academic advisor so that the student works with a faculty member whose expertise is in the new area of interest. If a change is necessary, the student must submit and have processed a change of major/advisor form that has been signed by his/her new advisor. Forms are available in the Office of the Registrar. Completing this procedure assures that the student’s academic information will be transferred from the previous advisor to the one newly assigned. If the described process for changing advisors has not been followed, the student will encounter difficulties when attempting to enroll, register, or change registration.

Accuracy of advisement is contingent upon the student having supplied accurate information to SNU regarding the choice of major and program of study. It is the student’s responsibility to report any change in major or program in a timely way so that appropriate adjustments can be made in the information available to advisors. Additional course requirements or credit hours resulting from the student’s failure to report such changes in a timely way will be the responsibility of the student.

Monitoring Academic Progress

Since a major part of sound academic advising is the monitoring of academic progress, it is important to provide accurate, current information to both student and advisor. It is also important to have documentation supporting the student's initial program of study, subsequent progress, and any modifications that may have been made to the academic program of that student. To facilitate monitoring of the student's progress, SNU utilizes a tracking system called UNIVISOR. The UNIVISOR, which provides current information on courses the student has completed, courses yet to be taken, and progress toward graduation requirements, can be accessed through the SNU computer network. It also interfaces with other university systems to provide current information on prerequisites, course descriptions, and closed course sections. In addition to the continual use of the UNIVISOR to track student progress, several check points are utilized to monitor program completion.

ENTRY/TRANSFER AUDIT

When a student enters SNU (either as a freshman or in transfer), an entry/transfer audit will be performed using high school and/or college transcripts, ACT results, and any other relevant information that may be available. The entry/transfer audit will provide verification of incoming General Education and major coursework and thereby will provide the student and advisor with a clear picture of the courses needed to complete the student's program of study. It is the joint responsibility of the student and faculty advisor to review this information carefully during the student's first semester to ensure it is accurate and complete. The decisions reflected in this information will provide documentation of agreements reached at the student's entry to SNU and will allow the student reasonable assurance that those agreements will be honored.

The faculty advisor may request modifications to the entry audit on the basis of either first-hand information from the student about transfer coursework, unreported test scores, or on the basis of changes in a student's designated major/concentration. If modifications are requested, the advisor should file a petition for this purpose no later than the beginning of the pre-enrollment period during the student’s second semester of coursework at SNU. Petition results (approval or denial) will be recorded in the student’s file within 10 working days of action by the dean of the college of the student’s selected major or, if the courses are General Education courses, with the Director of General Education.
GRADUATION AUDIT
At the end of the student’s junior year, a Graduation Audit will automatically be performed, with the results sent to both the student and advisor. This audit provides verification of:
1. courses and/or CLEP credit hours completed at SNU
2. posting of any transfer credit hours the student may have earned
3. having met GPA requirements (cumulative, major, minor)
4. having met residency requirements
5. having met requirements for upper-division coursework, and
6. notification of the General Education and major courses that must be completed prior to graduation.

This information will assist the advisor and student in planning an appropriate course schedule for the student’s senior year, so that all graduation requirements can be met. Signatures, verifying that both student and advisor agree with the record, are required on the graduation audit, and are essential to accurate record keeping and approval to participate in Commencement activities (see Application for Graduation).

GRADUATION REQUIREMENTS
A student working for a degree at SNU normally is subject to the degree requirements of the catalog under which the student matriculated. The entry audit and graduation audit for each student will, therefore, be performed using those degree requirements. Should a student decide to change the program of study after initial matriculation to SNU, that student has the option to complete the degree requirements set forth in the catalog in force at the time such a change was declared. Should a student opt to follow these newer guidelines, the student will be subject to them as a different but entire set of requirements. Thus, a student should generally expect to complete the newer degree requirements in their entirety (rather than mixing selected requirements of the previous program with selected requirements of the newer program). Any requested exceptions, however, should follow the prescribed petition process and must be completed prior to the graduation audit.

PETITION PROCESS
A formal process exists through which a student and advisor may petition for an alteration in the degree requirements to which the student would ordinarily be subject. It is possible to petition for waiver of a course or program requirement, to substitute one course for another, or to switch to the requirements of a newer degree program. All such petitions should be completed on the appropriate form, which is available in the Office of the Registrar, and must contain all required signatures (including the director of General Education if a General Education course is involved). Completed petitions are to be accompanied by a current transcript and any other required documentation (such as a course syllabus). Action taken on petitions (approval or denial) is recorded in the student’s record within 10 working days and will be used to determine which requirements remain for the student before graduation.

Application for Graduation
Upon receiving a graduation audit form, degree candidates are required to meet with their respective faculty advisors to verify information accuracy and remaining requirements outlined in graduation audit form. Once verified, both student and advisor sign the form, and the student returns it to the Office of the Registrar. This form serves as the application for graduation, and verifies the student plans to participate in Commencement activities. In order to guarantee participation in Commencement, whether in December or May, the signed audit form and application for graduation must be returned to the Office of the Registrar by October 1 of the anticipated year of graduation.

Degrees are conferred on three specific dates each year—May or December Commencement dates or August 15. Transcripts will reflect whichever date is the closest to follow a student's completion of degree requirements.
Advanced Standing
SNU grants advanced standing to students who demonstrate by scores on approved advanced standing examinations that they have obtained a background in a particular field equivalent to the achievement required in a course offered by SNU. The most typical programs for achieving advanced standing are the College Level Examination Program (CLEP), Advanced Placement program (AP), and the International Baccalaureate program (IB).

Advanced standing credit for freshman-level courses must be submitted and verified through the Office of the Registrar by July 15 immediately preceding fall enrollment. This deadline must be met to facilitate appropriate placement and accurate scheduling of incoming students.

Limited credit may be awarded through departmental proficiency exams or military credit. For students in traditional programs at SNU, a total of up to 30 college credit hours is available through various forms of testing (CLEP, AP, departmental proficiency exams, military credit). Credit hours received via CLEP are recorded on the transcript after the student completes six credit hours of work at SNU.

In order to assist in accurate advisement and planning, students planning to take CLEP exams should do so in adequate time so that the testing results will be available before the beginning of the student’s sophomore year.

By policy, CLEP credit for lower-division courses will not be approved if advanced courses in the same area of study have already been taken; any exception must have the approval of the dean of the college of the student’s major.

For students in non-traditional programs at SNU, a total of up to 45 credit hours of advanced standing may be earned, with a maximum of 30 credit hours awarded for experiential learning.

Advanced Placement (AP)
AP tests are also used as a basis for granting credit. Credit is given in a variety of courses for receiving a score of 3 or higher on the appropriate exams. These tests are available as a part of AP courses taken in high school, and the exam must be taken for credit to be granted. AP is awarded credit as recommended by the guidelines of the College Board.

College-Level Examinations Program (CLEP)
CLEP is the major vehicle for advanced standing validation. Incoming freshmen who are proficient in specific academic areas may want to take advantage of this opportunity. Consistent with practices at other regionally accredited universities, at Southern Nazarene University CLEP credit is awarded according to the guidelines established by the American Council on Education. This council recommends that students be awarded credit if they score at or above the 50th percentile on established sophomore norms in selected content areas. The specific minimum scores are based on current norms and, therefore, are subject to change.

A note should be made that the guidelines for acceptance of CLEP results (both the particular exams accepted and the score minimums used for credit) vary from one university to another. For example, course credit gained by taking a particular CLEP examination will not necessarily be accepted as credit in transfer to another college or university. For any prospective SNU student, therefore, information regarding approved CLEP exams and acceptance of CLEP credit at SNU should be obtained from the SNU Testing Services office prior to taking a CLEP exam. Southern Nazarene University is not responsible for inaccurate information provided by other sources.

Whenever available, CLEP exams are used to determine proficiency credit. If no CLEP exam is available, it may be possible that a department will have received approval to offer a locally validated proficiency
exam. Students requesting advanced standing for applied work in fine arts, nursing, physical education, speech, art, or business should consult with the school or department chair for the availability of tests in these areas.

CLEP examinations are administered by appointment. If a student is unable to take the examinations on campus, arrangements can be made with a CLEP testing center at a convenient location, with the results sent to SNU (code 6036). For more information, contact Testing Services (LRC 325, 405-491-6694)

INTERNATIONAL BACCALAUREATE (IB)
Study completed through the IB program may receive credit if taken at the advanced level and the student achieves a score of 4 or better on the examination associated with the course. Official score reports must be provided to the Office of the Registrar before credit is awarded.

Placement and Proficiency Testing
COURSE PLACEMENT
Students will be advised into particular courses and sections of Composition I and II on the basis of ACT scores. Students lacking satisfactorily completed high school coursework according to existing entry-level transcript evaluation standards will be directed on the Entry Audit to select a course in a particular area of the science and/or history/government requirements, such as a laboratory course in the biological or natural sciences, American history, or American government.

TECHNOLOGY PROFICIENCY TEST (TPT)
The requirements for meeting technological proficiency, as follows:

- Students seeking to waive the technological proficiency requirement must successfully complete the TPT exam by the end of the freshman year; any student not doing so will be required to take CSNE 1113 Integrated Software Applications (ISA) or equivalent course.
- ISA (and courses substituting for ISA) will give the TPT as an assessment component of student learning and those incapable of demonstrating proficiency on the exam will be required to retake the course.
- Students taking the exam for course waiver must demonstrate proficiency in one testing session rather than being allowed to engage in a strategy of test and retest until completion.

TRANSFER CREDIT EVALUATION
The registrar’s office evaluates transfer coursework for applicability to General Education requirements. Transfer credits meeting particular SNU course requirements are so noted on the Entry Audit. CLEP and AP credit may satisfy some General Education requirements listed above. Awarded credit is applied to the transcript as college credit hours. For further details on taking these exams, contact the SNU Testing Center.

LANGUAGE PLACEMENT TEST
Language credit in either elementary or intermediate Spanish can be earned at the end of an immersion semester at QERC by students opting to take the in-house placement exam (which includes listening, writing, and speaking components). A professional examiner designated by the chair of the Department of Modern Language will recommend the awarding of credit for either Elementary Spanish I/II and/or Intermediate Spanish I/II, based on the exam results.
ACADEMIC CLASSIFICATION

Academic classification is based on the credit hours accumulated and designated as follows:

Undergraduate Students
Students are classified as undergraduates if they have been admitted to the University and are seeking undergraduate degrees. The normal classification for undergraduate students is as follows:

<table>
<thead>
<tr>
<th>Classification</th>
<th>Credit Hours Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>0-23</td>
</tr>
<tr>
<td>Sophomore</td>
<td>24-56</td>
</tr>
<tr>
<td>Junior</td>
<td>57-89</td>
</tr>
<tr>
<td>Senior</td>
<td>90 or more</td>
</tr>
</tbody>
</table>

Graduate Students
Graduate students are those who have already earned a bachelor's degree and have been admitted to or are enrolled in a graduate program or course at SNU. More details are found in the Graduate Catalog.

Unclassified Students
Unclassified students include:
1. students who audit a class but are not admitted to a program of study,
2. pre-college students who have received special permission to cross-enroll while completing high school work, and
3. all other nondegree-seeking students.

Postgraduate Students
Postgraduate students are defined as those enrolled in undergraduate courses after having earned a bachelor's degree. Such students will not have been admitted to any SNU graduate program.

CHANGES IN REGISTRATION (DROP/ADD POLICIES)

To make a schedule change after initial registration and payment of fees, students should work with their advisors. Any change made will become effective only if the proper procedure has been followed. If the change is not reflected in UNIVISOR, it must be verified with the Office of the Registrar. Financial adjustments must be made with the Office of Financial Affairs.

Add Classes
A course may be added without special instructor permission as follows:

<table>
<thead>
<tr>
<th>Term</th>
<th>No permission required to add</th>
</tr>
</thead>
<tbody>
<tr>
<td>16-week</td>
<td>First full week</td>
</tr>
<tr>
<td>8-week</td>
<td>First 3 days</td>
</tr>
<tr>
<td>4-week</td>
<td>First 2 days</td>
</tr>
<tr>
<td>2-week</td>
<td>First 2 days</td>
</tr>
<tr>
<td>1-week</td>
<td>First day</td>
</tr>
</tbody>
</table>

Special permission from the instructor and the dean of the college of the student's selected major must be obtained to add a course after the times specified above.

Drop Classes
No special permission is needed to drop a course through the 10th week of the semester, but the student should be aware that financial assistance may be affected by such a change. In addition, some changes
may require the approval of a department/school chair and/or the dean of the college of the student’s selected major. No change in registration (withdrawal from a course or school) may be processed after the end of the 10th week of the term without special permission from the college dean.

Transcript records for course changes will be as follows:

<table>
<thead>
<tr>
<th>Term</th>
<th>Course dropped with no transcript record</th>
<th>Course dropped with a ‘W’</th>
</tr>
</thead>
<tbody>
<tr>
<td>16-week</td>
<td>Week 1 – Week 4</td>
<td>Week 5 - Week 10</td>
</tr>
<tr>
<td>8-week</td>
<td>Week 1 - Week 2</td>
<td>Week 3 - Week 6</td>
</tr>
<tr>
<td>4-week</td>
<td>Week 1</td>
<td>Week 2 - Week 3</td>
</tr>
<tr>
<td>2-week</td>
<td>Days 1 - 2</td>
<td>Day 3 - Day 7</td>
</tr>
<tr>
<td>1-week</td>
<td>Day 1</td>
<td>Day 2 - Day 3</td>
</tr>
</tbody>
</table>

Special permission to withdraw from courses after the deadline is obtained through the college dean.

**Withdrawal from the University**

If it appears necessary for a student to withdraw from school before the end of a semester, a withdrawal form must be completed. It is recommended that withdrawal be initiated through the Office of the Registrar. The withdrawal is not complete until the withdrawal form has been signed by all designated officials and financial arrangements have been made through the SNU Office of Financial Affairs. Any student receiving financial aid is required to meet with an appropriate official from the Office of Financial Assistance before completing withdrawal. A student will not be officially withdrawn nor will any refund of tuition be given (see Financial Information) unless withdrawal is made in the prescribed manner.

When a student has enrolled for a future semester and is unable to return to SNU, the Office of the Registrar should be notified in writing to initiate cancellation of the enrollment. If the reason for not planning to return is financial, it is strongly recommended that the student visit with a counselor in the Office of Financial Assistance prior to making a decision. If the decision is based on personal factors, the campus counselor is available for consultation and advice and can be contacted through the Office of Student Development. Similarly, if the reasons are primarily academic, the student should consider visiting with a faculty advisor or with someone in ACE prior to making a final decision to cancel enrollment.

**COURSE AND CREDIT INFORMATION**

**Unit of Credit**

The unit of credit at SNU is the semester credit hour (indicated also as “credit” or “credit hour”), which requires the equivalent of one hour of class time a week for one semester. It is assumed that the student will spend approximately two clock hours in preparation for each hour of class time.

**Course Offerings**

The university reserves the right to withdraw any course for which enrollment is insufficient to warrant its offering and to make any other change in courses offered that may be necessitated by changing conditions.

**Course Numbering**

The system of course numbers indicates the level of instruction and the amount of credit carried by the course. The first digit in the course number indicates its class rank (freshman, sophomore, junior, senior). The second and third digits distinguish the course from other courses on the same level. The last digit indicates the number of semester hours credit offered for the course. The levels of instruction are indicated as follows:
**LOWER DIVISION**
1000-1999 Courses primarily for freshmen  
2000-2999 Courses primarily for sophomores

**UPPER DIVISION**
3000-3999 Courses primarily for juniors  
4000-4999 Courses primarily for seniors

**Prerequisites**
In some instances, courses are sequential in nature and therefore, a lower division course must be completed before enrollment is allowed in a subsequent upper-division course. When this is the case, the course description of the upper-division course will specify a prerequisite requirement. For these courses, the student will only be allowed to enroll in the upper-division course if the prerequisite has been met.

**Courses Not Open to Freshmen**
Generally, courses numbered 3000 and above are not open to freshmen. Exceptions can be made only by a student’s advisor and/or the college dean in consultation with the course instructor on the basis of prior work that has especially prepared the student for advanced coursework. Exceptions to this regulation will be made only when specific background has prepared the student for the advanced course desired. Other exceptions may be indicated in UNIVISOR.

**Course Audit**
Some courses may be taken on an audit basis. Although an audited course is recorded on the student’s official transcript, no grade is given and no credit is received. When auditing, the student is encouraged (but not required) to be a full participant in the class activities (e.g. examinations, assigned homework). Not all courses offered by the University are open for enrollment on an audit basis. Physical education activity courses, practicum experiences, private lessons, independent study, research, and other similar courses are not open for audit.

Audited courses follow the same enrollment procedures as credit courses. To change a credit course to an audit enrollment, the student must withdraw from the course in question and then re-enroll for the course on an audit basis. Conversely, a course enrolled for audit may not be transferred directly to enrollment for credit without the approval of the course instructor and the college dean overseeing the course. Such a change must be processed in the Office of the Registrar with a Change of Registration form completed by the advisor.

Audited courses cannot be processed through UNIVISOR.

**Correspondence Course Credit**
Up to 30 credit hours earned by correspondence may be accepted when completed through schools that maintain accredited extension departments. A student who is already enrolled for a degree program at SNU must secure the written approval of the college dean of the student’s selected major before enrolling for a correspondence course.

**COURSE SCHEDULES**
Traditional course schedules are housed on the SNU main Web site. Data is updated regularly by the Office of the Registrar. Course schedules can be found at www.snu.edu/courses.
COURSE LOAD PARAMETERS

A normal course load is 12-17 credit hours. Students entering SNU as freshmen will normally not be permitted to enroll for more than 17 credit hours of coursework. Provisionally-admitted students are allowed to carry no more than 14 credit hours a semester, with the recommended load being 12-14. An undergraduate student carrying at least 12 credit hours is considered to be a full-time student. A load of nine credit hours is defined as a three-quarter load, and a load of six credit hours is designated as a half-time load for undergraduate work.

Students are not permitted to enroll for more than 18 credit hours per semester without the approval of the college dean of the student’s major. Such permission will be granted only in unusual cases, and consideration will be provided only when the student has demonstrated a strong record of academic success in previous semesters.

Veterans are required to carry a full schedule of courses if they are to receive the full subsistence allotment provided by veteran’s benefits. A full schedule for veterans is defined as 12 credit hours of coursework that is on the student’s degree program filed in the SNU Office of Financial Assistance.

Working students planning to hold employment in addition to their academic work should seek the help of a faculty advisor to determine an appropriate course load. Outside work expectations should be limited using the following considerations: a) the number of semester credit hours in which the student expects to enroll, b) overall grade point average, c) the level of the courses the student expects to take, and d) specific expectations of the particular courses comprising the student’s schedule (i.e. overall reading load, writing expectations, examination schedule, etc.).

Students who plan to finance a large part of their college expenses through outside employment should plan to devote more than four years to their college program. While each situation varies somewhat, the following has been established as a guide.

<table>
<thead>
<tr>
<th>Credit Hours Per Week Outside Work</th>
<th>Average Credit Hours Course Load</th>
<th>Max. Load if GPA &lt;2.00</th>
<th>Max. Load if GPA &gt;3.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Up to 20</td>
<td>14 to 17</td>
<td>14</td>
<td>18</td>
</tr>
<tr>
<td>21 to 30</td>
<td>12 to 16</td>
<td>12</td>
<td>16</td>
</tr>
<tr>
<td>31 to 40</td>
<td>10 to 14</td>
<td>10</td>
<td>14</td>
</tr>
<tr>
<td>Over 40</td>
<td>8 to 12</td>
<td>8</td>
<td>12</td>
</tr>
</tbody>
</table>

As noted above, enrollment for loads in excess of the established maximum requires special permission of the college dean. If at any time a student’s class work becomes unsatisfactory, the total work and class schedule may be reviewed and the student’s schedule may be adjusted by the college dean in consultation with the student’s academic advisor.

SUMMER TERM

SNU’s summer terms are held during two six week terms following the completion of the spring semester. Typically, summer terms begin in May (early-to-mid) and lasts through July. The summer terms provide opportunity for:

- the high school graduate to begin college study immediately
- the public school teacher to take additional university work
- the traditional college student to progress more rapidly toward program completion
- the degree-completion student to take courses that meet General Education requirements
- completing final work on a degree program, to graduate in August
- completing graduate work
- continuing education interests

Courses of varying format are available during the summer term—online, face-to-face, or a hybrid format—and will vary in length. Some may last for three or four weeks; others may last for the full
summer term. In addition, some of the shorter courses begin later in the term. So, for example, a three-week course might begin in mid-May and end in early June whereas another three-week course might begin in mid-June and finish in early July. Specific dates for individual courses are listed in each year’s Course Schedule available at [http://webapps.snu.edu/courses/](http://webapps.snu.edu/courses/).

**Scope**

Although courses from a wide array of campus areas are offered throughout the summer term, the bulk of course offerings are designed to meet General Education requirements. Fiscal responsibility dictates that a full complement of courses across all areas cannot be offered during the summer session; however, many commonly-required courses are available. The summer courses that are offered meet the same learning outcomes as those occurring in regular fall and spring terms.

**Course Load**

Within the overall two 6 week summer terms, a student may complete up to 12 hours of credit. However, they must receive permission to carry more than six credit hours during any given period of the term (online courses are limited to two per summer term). Because the same learning outcomes must be met in a shortened time-frame, students enrolling in summer courses should expect to spend more time per week in class-related work than would be the case during a regular 16-week semester term. Students who are employed, therefore, should plan to either limit their course load or alter their employment expectations accordingly.

**Faculty**

The Southern Nazarene University summer session faculty is composed chiefly of regular, full-time faculty members, although some visiting instructors may be secured to offer work for which they are particularly well-qualified.

**Facilities**

The regular facilities of the University including the library, laboratories, the gymnasium, residential housing and Fine Arts practice rooms are available on a limited basis for use in the summer.

**Admission**

Students who enter Southern Nazarene University for the first time in a Summer session, and are working toward a degree, must meet the regular requirements for admission.

**Registration**

Students enrolling in a summer term must complete all regular registration documents (e.g. application, housing, financial agreements, etc.) required for admission and enrollment noted elsewhere in this catalog. Failure to do so in a timely way may warrant disenrollment.

**Regulations**

All students are expected to conform to the same academic and lifestyle requirements that are in effect during the regular academic year. Announcement will be made in the summer session regarding any modification or special requirements that may be necessary to promote the best interests of the summer students.
ONLINE LEARNING POLICIES

Refund and Withdrawal Policy
To be eligible for any refund, a student must complete the appropriate withdrawal procedure. In addition, these policies relate to online courses:

• A student must withdraw before the beginning of week two to avoid payment.
• A student withdrawing during week 2 is eligible for a 60% refund minus (-) the online fee.
• A student withdrawing during week 3 is eligible for a 40% refund minus (-) the online fee.
• A student withdrawing during week 4 or after pays full price for the course plus (+) the online fee.
• Textbook refunds are not guaranteed.

Transcript

• Students dropping the course during the first week would have no reflection on their transcript.
• Students dropping during weeks two or three receive a “W” on the transcript.
• If a student withdraws after beginning week four, the grade earned for the course is reflected on the transcript.

Tuition and Expenses

• Online courses that are a part of a program will maintain the tuition and fee structure associated with the degree plan.
• Traditional courses occurring within a traditional semester may be rolled into a student’s block fee.
• Traditional summer courses will have the same tuition and fee structure based on the current traditional course offering.
• Technology and online fees will be added to each course.

STUDY ABROAD

SNU seeks to assist our students in understanding and appreciating what it means to live as Christians in a multiethnic, pluralistic world. We encourage students, therefore, to increase their global outlook by participation in study abroad. The possibility for Christian scholars to gain new insights by living and studying in other cultures is great and the potential for enhanced student learning is significant. For those reasons, SNU actively promotes a variety of study abroad opportunities. To be eligible to apply for any of the programs described, students must be in good academic and financial standing with SNU. Waiver of specific program and/or graduation requirements on the basis of credit received through study abroad will be at the discretion of the department into which the credit is transferred.

If a student of SNU is accepted for study abroad, the student should inquire as to the present policies regarding the availability of both institutional and non-institutional sources of financial assistance in applying toward program costs. To receive consideration, students must follow all application and approval procedures of the sponsoring group.

For more information about SNU’s study-abroad offerings, please contact the director for the Center for Global Engagement.

Recommended Study-Abroad Programs

QERC
The Quetzal Education Research Center (QERC), located in San Gerardo de Dota, Costa Rica, seeks to promote biodiversity, conservation, and sustainability in global and local communities. To this end, SNU involves students and researchers from around the world, including the host country, to engage in dialogue and research focused on the tropical cloud forest and its floral and faunal community for the
purpose of enhancing its sustainability. QERC works to integrate local farmers with research scientists, educators, and students from around the world in the effort to merge good conservation practice and economic viability in the local community.

In 1986, the Quetzal Education Research Center emerged out of the relationship begun between Southern Nazarene University, founded in 1899, and the Efrain Chacon family, who pioneered the settling of the Savegre Valley in 1952. This partnership resulted in the completion of construction of a small laboratory in 1996 and a larger educational and research facility in May 2001. It is expected by all involved that this relationship will continue to provide students, scholars and the citizens of San Gerardo with opportunities to develop transformational discernment as they work through the practical implications of the broad ideal of ecological sustainability.

To facilitate learning at the QERC, SNU offers an undergraduate, 16-credit hour Tropical Studies program at the QERC during the spring semester that is open any undergraduate student that has been accepted to any institution of higher learning that offers bachelor's degrees. (Information on the Tropic Studies Program can be found in the catalog section for the Department of Biology.)

NILI
The Nazarene International Language Institute (NILI) (www.studyinecuador.blogspot.com) is located in Quito, Ecuador. The NILI offers an integrated program of study in Spanish, Latin American culture and civilization, and faith/missions, and provides a travel practicum to culturally and ecologically diverse locations in Ecuador. This study abroad location is particularly beneficial to student in SNU’s International Studies program in the Spanish Business emphasis.

CCCU SEMESTER ABROAD PROGRAMS
The study-abroad programs organized and promoted by the Council of Christian Colleges and Universities (CCCU) are called BestSemester Programs. Program information can be found at www.bestsemester.com. The CCCU, an association of 105 campuses in the U.S. and Canada, offers these semester and summer programs to students of its member institutions, of which SNU is one. The programs offer a unique opportunity for students to make the world their classroom, going beyond the confines of the traditional classroom. These interdisciplinary learning opportunities are available to second-semester sophomores, and juniors and seniors.

AU SABLE INSTITUTE OF ENVIRONMENTAL STUDIES
The Au Sable Institute offers field-based, university-level courses in environmental studies and environmental science at campuses in the Great Lakes region (Mancelona, MI), Pacific Northwest (Whidbey Island, WA), South India (Thiruchirapalli, Tamil Nadu), and Latin America (Vara Blanca, Costa Rica) with academic credit offered by any of more than 50 colleges and universities. See www.ausable.org.

FOCUS ON THE FAMILY LEADERSHIP INSTITUTE
Students from SNU may choose to participate in the Focus on the Family Leadership Institute, sponsored by Focus on the Family. The institute was established to propound and defend traditional ideas of family and society, while recognizing the need for modern cultural contextualization, a strong theoretical base, and practical application. This program is a semester-long, off-campus program for which students receive 12 credit hours. Program applications can be obtained at the Leadership Institute Web site (www.focusleadership.org) and signed by Director for Global Engagement.

OKLAHOMA SCHOLAR-LEADERSHIP ENRICHMENT PROGRAM (OSLEP)
University students are regularly accepted as participants in this intercollegiate, interdisciplinary program sponsored by the Oklahoma State Regents for Higher Education. Twenty public and private universities in Oklahoma participate. Students accepted for OSLEP study with a distinguished scholar and with students from participating universities. Juniors, seniors, and graduate students with a 3.0 GPA
are eligible to apply; freshmen and sophomores who have demonstrated exceptional academic achievement will be considered. Books, housing, and meals are provided by OSLEP. Each seminar is worth two credit hours, which may be transferred to SNU after payment of OU tuition. The OSLEP seminars meet for five days, and seminars are held on the University of Oklahoma Norman campus and on the campuses of participating universities. For further information, contact Dr. Heather Clemmer, the SNU campus coordinator of OSLEP.

**RESERVE OFFICER TRAINING CORPS (ROTC)**

**Air Force ROTC at OU**

Southern Nazarene students have a unique opportunity to join Air Force Reserve Office Training Corps (AFROTC) while attending SNU. A cooperative agreement with the University of Oklahoma (OU) exempts SNU students from paying most fees and insurance at OU. Basically, the only cost to the student is for the AFROTC credit hours. AFROTC classes meet on the OU campus.

AFROTC offers a variety of scholarships in nursing, computer science, engineering and other majors that students could pursue at SNU. After completing a degree and the AFROTC program, the student will be commissioned as an officer in the U.S. Air Force and also have a guaranteed job after graduation. For more information about AFROTC at OU, go to [http://www.ou.edu/content/rotc/air-force/Join.html](http://www.ou.edu/content/rotc/air-force/Join.html)

**Army ROTC at UCO**

Two-year and four-year programs are available to SNU students through a cooperative agreement with the University of Central Oklahoma (UCO). This allows students to commute to UCO and attend Army ROTC classes while continuing to pursue a degree at SNU.

Through the Army ROTC, the Department of Military Science offers two programs to qualified students leading to a commission as a Second Lieutenant in the U.S. Army, the Army Reserves, or the Army National Guard.

SNU students who enroll in any of the four military science courses will receive academic credit, which will satisfy elective hours required for SNU degree completion requirements. Enrollment in basic course classes will not incur a military obligation. Students taking military science courses will pay the current tuition and fee rates required by UCO. Grades and credit hours for the completion of ROTC courses will be transferred to the student’s permanent records at SNU.

SNU students will also have an equal opportunity to compete for two- and three-year ROTC scholarships, which will pay tuition and laboratory fees for both SNU and UCO courses as well as provide $300 per semester towards the cost of books. Scholarship students also receive $250 to $400 a month subsistence pay for the duration of the scholarship.

Those students interested in participating in ROTC while belonging to a Reserve or National Guard unit may do so under the Simultaneous Membership program.

For additional information, contact the Military Science Department at the University of Central Oklahoma,(405) 974-5166 or visit the Web site at [http://www.busn.uco.edu/armyrotc/](http://www.busn.uco.edu/armyrotc/).

**Other Study-Abroad Programs/Consortium Agreements**

Occasionally, students may wish to pursue study-abroad opportunities other than those routinely recommended or in world areas not included in those programs. Only programs offered through regionally accredited institutions of higher education in the U.S. are acceptable for study-abroad work. The student is responsible to contact the sponsoring university to obtain program information. For these programs, only approved, noninstitutional sources of financial aid may be applied toward program costs. If the student seeks to remain an SNU student while studying abroad, the possibility of a consortium agreement between SNU and the sponsoring institution may be pursued but is not guaranteed. Consortium agreements may be possible in some cases, but not in others; specific
agreements must, therefore, be handled on an individual basis. It is the student’s responsibility to provide the program’s contact information to both the college dean of the student’s selected major and the Office of Financial Assistance at least six months before verification of an agreement is needed. If a consortium agreement is not possible, the student will be required to enroll at the program’s sponsoring institution and simply transfer the credit hours back to SNU upon completion.

**Part-time Study Abroad**

Students pursuing a volunteer mission assignment may seek to complete intensive study in some specific area of inquiry on a part-time basis while overseas and, therefore, may seek a limited amount of academic credit for learning in the study abroad setting. To do so, the student must enroll for the credit during the semester in which the study occurs and must make arrangements with the SNU Office of Financial and Business Affairs to pay for the credit hours at the time of enrollment. The student must make specific arrangements with the supervising instructor or instructors, and a course plan must be approved by both the dean of the college of the student’s selected major and the department/school chair prior to undertaking the study (using the directed study contract form) for a maximum of six credit hours.
SNU offers undergraduate programs leading to various associate and baccalaureate degrees. The curricula are designed to meet the educational needs of students drawn from a wide geographical area, representing diverse preparatory backgrounds, and having different vocational, professional, and cultural goals. The administration reserves the right to make such minor adjustments in stated curriculum requirements as may (in an individual case) be justified. Any deviation from a stated requirement, however, may be made only by the Office of Academic Affairs. Any such adjustment must also fulfill the purpose of the stated curriculum and be in harmony with generally accepted educational practice.

Academic policy questions for traditional undergraduate programs should be directed to the Office of Academic Affairs (Bresee 200, 405-491-6304).

Student life or conduct rules questions for traditional students should be directed to the Office of Student Development (Webster Commons, lower level, 405-491-6336).

Academic policy questions for professional or graduate studies should be directed to the College of Professional and Graduate Studies (Royce Brown 200, Bethany Campus, 405-491-6332).
CLASS ATTENDANCE

SNU believes there is a strong relationship between class attendance and academic progress. Regular class attendance, therefore, is expected of all SNU students.

The student is responsible for all class work assigned or due on the date of any absence regardless of the reason for the absence. The student may be penalized for work missed if no explanation is given for the absence and/or the student does not meet the requirements of the instructor in making up the work even for legitimate absences.

If a student misses (for any reason) more class sessions than have been outlined as reasonable in the course syllabus, or if it becomes obvious that the student is not giving serious attention to attendance, the faculty member may encourage the student to withdraw from the course. If the student has been warned of excessive absences but continues to be absent, an official warning from the Academic Center for Excellence may be sent. If the student has been warned and the attendance problems continue, the student may be withdrawn from the class.

**Excused and Unexcused Absences**

In recognizing that unavoidable circumstances may result in an occasional absence, instructors typically allow a reasonable number of absences without grade penalty. Reasonable is usually interpreted to mean the equivalent of no more than two weeks of class of a 16-week term. Absences beyond this will likely have an effect on the final course grade. Because a number of absences are allowed without penalty, no distinction is made between excused and unexcused absences. An instructor should clearly indicate in the course syllabus the types of absences that will be considered excused for that particular class.

**Absences for Athletics/Music/University Sponsored Groups**

Students involved in intercollegiate athletics, musical ensembles, and/or other University sponsored groups are expected to be absent for only those classes that are in direct conflict with travel and game/performance schedules. Practices are not sufficient rationale for not attending scheduled classes. Students must also work with the instructor in advance of any planned absence to make certain all work is completed and any necessary arrangements have been made. Students involved in University-sponsored, co-curricular activities are to use the allowed absences for their involvement in those activities and should be able to accommodate conflicts within the number of absences provided without grade penalty. If there is a significant attendance problem due solely to conflicts arising from University-sponsored activities, the student should consider finding a more appropriate time for taking the course.

**Unanticipated Absences**

In cases of unanticipated absence, the student should inquire about the possibility of making up work missed. If the explanation of the absence is acceptable to the instructor, the student may be permitted to make up work missed, although in some instances make-up work may not be feasible. If the explanation of the absence is not acceptable to the instructor, the student may be refused the privilege of making up the work and be assessed a consequent grade penalty. Each class syllabus should specify specific absence and make-up work policies.

The Office of Academic Affairs sends official notification to instructors when a student is called away from campus suddenly by a medical or family crisis or for an extended time for a legitimate, unplanned, documented emergency. Notice is not sent, however, for routine events such as doctor’s appointments or short illnesses. Faculty members are expected to work directly with students regarding attendance issues and to deal fairly with legitimate absences while helping students develop the disciplines to avoid flagrant attendance irregularity and unsatisfactory scholarship due to absences.
Absence Due to Late Registration

In case of late registration, the student’s responsibility is the same as in the case of other absences. The instructor’s class attendance record of class attendance and the student’s accumulated absences, including absences incurred by late registration, become a part of the student’s record.

GRADES AND GRADING POLICIES

Letter grades are assigned to reflect the quality of work achieved during the semester in which a course was completed. Each letter grade also carries a numerical weight that is used to calculate a grade point average (GPA). A GPA is the quotient obtained by dividing the number of grade points earned by the number of credit hours attempted. The following grades and their associated numerical weights are used to denote the quality of work done in a course:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Grade points per credit hour</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.00</td>
</tr>
<tr>
<td>A-</td>
<td>3.67</td>
</tr>
<tr>
<td>B+</td>
<td>3.33</td>
</tr>
<tr>
<td>B</td>
<td>3.00</td>
</tr>
<tr>
<td>B-</td>
<td>2.67</td>
</tr>
<tr>
<td>C+</td>
<td>2.33</td>
</tr>
<tr>
<td>C</td>
<td>2.00</td>
</tr>
<tr>
<td>C-</td>
<td>1.67</td>
</tr>
<tr>
<td>D+</td>
<td>1.33</td>
</tr>
<tr>
<td>D</td>
<td>1.00</td>
</tr>
<tr>
<td>D-</td>
<td>0.67</td>
</tr>
<tr>
<td>F</td>
<td>0.00</td>
</tr>
</tbody>
</table>

The following grades are not used in calculation of GPA but may be recorded on the transcript:

PH= Pass with honors, P = Pass, W = Withdrawn, I = Incomplete

An incomplete grade ("I") is given when a student lacks some essential requirements of the course and is only allowed in special cases where students come to the end of the semester and experience illness or an unavoidable crisis. A grade of "I" must be requested by the student and must have the approval of the course instructor, department/school chair and dean of the college of the student’s selected major. Forms for requesting an "I" are available from the Office of the Registrar or college dean. An "I" is not to be given to allow extra time to complete coursework that should have been completed during the term. Incomplete work must be completed prior to the beginning of the final examination period of the semester immediately following. Extension of the completion period requires approval by the college dean.

GRADE APPEAL PROVISION

The assignment of grades is the responsibility of the course instructor. Final course grades are to reflect the work completed during the semester the student was enrolled in the course. Routine grade changes, therefore, should only arise when a clerical error or miscalculation has occurred. Grade changes are not allowed for work submitted after a semester is complete or for the purpose of raising a grade unless the student has an approved incomplete grade request on file for the course. Should a clerical error or miscalculation have occurred, the instructor can submit a change of grade form to the Office of the Registrar.

If the student believes the grade reported by the instructor is unfair or if there is a dispute between student and instructor over the assessment of work completed in a course, the student has the right to appeal the grade. Appeals must be submitted in writing to the college dean of the student’s major by the
end of the semester following the completion of the class. The first step in attempting to resolve such a
grade disagreement is for the student to meet directly with the instructor to review the student's
performance in the course. In that setting, the student and instructor should make sure that the grade
record accurately reflects work submitted, grades received for that work, accurate recording of the
student’s attendance, and any other clerical elements that comprise the final course grade.

Although a student may request that the instructor reconsider a grade for a particular assignment, such
reconsideration is at the instructor's discretion and only if there is compelling reason to believe the
original grade was a seriously inaccurate assessment of the level of performance on that assignment. If
the instructor agrees to reconsider previously submitted work and the re-evaluation would result in a
change of grade, the instructor may submit a change of grade form at that time. As noted, however,
additional work is not to be considered after the semester is complete or for purposes of raising a grade
unless the student has received approval for an incomplete to be recorded for the course. If the dispute
remains unresolved after consultation with the course instructor, the student may appeal to the
appropriate department/school chair.

If no grade change is deemed appropriate after initial review with the course instructor and/or
department/school chair, the student may submit a formal grade appeal. Such an appeal must be
submitted in writing to the college dean by the end of the following semester, along with whatever
documentation the student deems appropriate to support the request. Once a letter of appeal is received
from the student, information is requested from the course instructor to explain and document the basis
used for determining the student's course grade. All written materials are then reviewed by an appeals
board and a recommendation made to either grant the appeal or leave the grade as originally recorded.
Final determination rests with the college dean. Questions concerning the grade appeal process should
be referred to the college dean.

**ACADEMIC REPRIEVE**

Students who can demonstrate extraordinary circumstances contributing to poor academic
performance in a previous semester may submit a written request for academic reprieve to the dean of
the college of the student's major. Requests are governed by the following guidelines:

1. At least four years must have elapsed between the time of the request and the semester being
   requested for reprieve.
2. During the semester requested for reprieve, the student must have had a semester grade point
   average (GPA) of less than 2.00.
3. Prior to requesting the reprieve, the student must have earned at least 12 credit hours, nine of
   which must be in content-based courses (i.e., excluding activity or performance courses) with a GPA
   of at least 2.00 and have earned no grade lower than a "C" in any course.
4. The student may request reprieve for up to two consecutive semesters or terms of enrollment. Full
   consideration will be given to both one-semester and two-semester requests, but there is no
   obligation to reprieve either or both semesters.
5. If the request is granted, it will include grades earned and all credit hours attempted within the
   reprieved semester. If a student has proven proficiency in a particular course (as demonstrated by a
   grade of "C" or above) during the reprieved semester, that student may be waived from repeating
   the course, although an additional course must be used to replace the credit hours.
6. A student can have only one academic reprieve during the undergraduate academic career.

Reprieved semesters will continue to appear on the official transcript, with the notation "Academic Re-
rieve Granted." The transcript will also include notation indicating that reprieved coursework is not
used in the calculation of GPAs. For more information, contact the Office of the Registrar or college dean.
Note: reprieved grades might not be recognized as reprieved by other institutions.
COMPUTER USE AND ETHICS

Policies
This Computer Use and Ethics policy relates to use of all computer facilities operated through SNU by students, employees, or guests for any purpose. SNU makes available computer facilities primarily for the use of students, faculty, and staff for purposes of research and instruction. We aspire that such facilities be used in faithful accord with the ethical perspective of the Church of the Nazarene and the Wesleyan-Arminian theological tradition.

Respect for intellectual labor and creativity is vital to academic discourse and to the learning enterprise. This principle applies to works of all authors and publishers in all media. It encompasses respect for the right to acknowledgment, right to privacy, and right to determine the form, manner and terms of publication and distribution.

Because electronic information is so volatile and easily reproduced, respect for the work and personal expression of others is especially critical in computer environments. Violations of authorial integrity, including plagiarism and copyright violations, may be grounds for sanctions against members of the academic community.

This section of the catalog includes SNU’s principles and guidelines related to academic honesty, copyright, privacy, security, and appropriate use have been established to facilitate the ethical and responsible use of computers. Instructors or departments may impose additional requirements or restrictions in connection with course or departmental work.

Appropriate Use
The primary purpose of computer communications systems and networks in an academic environment is to promote the free exchange of ideas and information, thus enhancing teaching and research. All online communications and behavior should respect the Wesleyan theological perspective of SNU.

SNU prohibits the use of computing resources to intimidate or create an atmosphere of harassment based upon gender, race, religion, ethnic origin, creed, or sexual orientation.

Fraudulent, threatening or obscene e-mail, graphical displays or audio files used to harass or intimidate are prohibited.

Chain letters, mass mailings, and all campus network broadcast messages are also examples of inappropriate uses of SNU electronic communications resources.

Use of SNU computers for commercial purposes requires prior approval by the Chief Academic Officer.

Copyright
The interests of authors, inventors and software developers in their products are protected by U.S. copyright and patent laws. Software license agreements serve to increase compliance with copyright and patent laws, and to help insure publishers, authors, and developers return on their investments.

Violating the copyrights or patents of computer software is against SNU policy and is a violation of state or federal law. Making your own copies of software having a restricted use license is theft.

It is against SNU policy to violate software agreements. The number of software users must not exceed the purchased software licensing.

The Digital Millennium Copyright Act of 1998 prohibits copying and/or distributing digital media files on the network.
**Academic Honesty and Intellectual Theft**

Originality, derivation, and the acknowledgement of sources and collaboration are essential to scholarship and the progress of knowledge. Respect for the work and personal expression of others is especially critical in computer environments. Plagiarism and copyright violations infringe on authorial integrity and are grounds for sanctions.

Students are expected to avoid all forms of academic dishonesty including plagiarism, misrepresentation of authorship, and inappropriate collaboration on assignments. The Office of Academic Affairs will be notified of occurrences of academic dishonesty. Examples of academic dishonesty include such cases as the following:

- Turning in or submitting electronically someone else’s work as one’s own with or without the other person’s knowledge or permission.
- An individual allowing another individual to turn in or submit electronically work and represented as their own.
- Completing an assignment as a group and submitting multiple copies electronically, representing the work either implicitly or explicitly completed individually.
- Using any part of someone else’s work without proper acknowledgement.
- Stealing a solution from an instructor.
- Submitting work products that are substantially similar on an assignment that calls for independent work (e.g. academic dishonesty in a computer assignment will be suspected if an assignment that calls for independent work results in two or more solutions so similar that one can be converted to another by a mechanical transformation).

Examples of academically honest practices include cases such as the following:

- Turning in or submitting electronically work done alone or with the help of the course’s staff.
- Receiving or giving help to solve minor syntax errors.
- Discussing assignment specifications to clarify understanding of the assignment.

**Privacy**

Students, faculty, and staff who use the computer have the right to privacy and security of their computer programs and data. At the same time, SNU ownership of the computer system network implies a limited expectation of privacy. SNU reserves the right to view and/or retrieve any file or software stored on the computer or passing through the network.

Computer users should not tamper with files or information that belongs to other users or to the operating system.

Reading someone else’s electronic mail without permission is a federal offense (Title 18 of the United States Code Section 2701). Computer system administrators are excluded for technical reasons. They are, however, prohibited from disclosing a user’s e-mail traffic to anyone unless the user or the other party to the traffic gives permission.

**Security**

Owners and users of computer networks operate in an interdependent environment that necessitates joint ownership of institutional information. Reliability and accessibility of information is critical to the successful operations of SNU.

Accessing a computer system without authorization is a federal offense (Title 18 of the United States Code Section 2701).
Computer users must not attempt to modify system facilities or attempt to crash the system. Users should not attempt to subvert the restrictions associated with their computer accounts, the networks of which SNU is a member, or microcomputer software protections.

Loopholes in computer security systems or knowledge of a special password should not be used to breach security by:

- damaging computer systems or degrade the performance of a computer system,
- obtaining extra resources or taking resources from another user,
- gaining access to systems or use systems for which proper authorization has not been given,
- falsifying SNU records, forms or other documents, or
- tampering with or destroying the work of others.

**Enforcement**

SNU reserves the right to examine computer files as necessary to enforce these policies. Use of this computing system in any way contrary to applicable federal or state statutes or the policies of SNU is prohibited and will make users subject to SNU disciplinary actions and may also subject users to criminal penalties.

Violations of these policies and guidelines may result in the loss of a user’s computer use privileges. These privileges may be suspended immediately upon the discovery of a violation of these guidelines. The account may be removed or deactivated or privileges removed from one or all SNU computing systems permanently or until the matter is completely resolved.

SNU personnel discovering violations of these policies should report to their direct supervisor, who will report incidents to the appropriate office (Office of Academic Affairs, Office of Student Development, or Office of Human Resources). Information related to violations will be shared among these offices and the appropriate disciplinary procedures will be followed in keeping with SNU policy for students and employees.

Violations of these policies will be dealt with in the same manner as violations of other SNU policies and may result in disciplinary review. In such a review, the full range of disciplinary sanctions is available. These include, but are not limited to, the loss of computer use privileges, immediate dismissal from SNU, and legal action. Violations of some of the above policies may constitute a criminal offense. Criminal offenses may be subject to a fine of not more than $5,000 or imprisonment for not more than six months, or both.

Appeals related to any disciplinary actions resulting from violations of these policies should be taken to the Student Judicial Council (student appeals) or the President's Cabinet (employee appeals).

The SNU Technology Advisory Committee will be responsible to periodically review and revise these policies. Final approval of these policies rests with the President’s Cabinet.

**ACADEMIC INTEGRITY**

**Policies**

SNU seeks to support and promote qualities of academic honesty and personal integrity in all aspects of life. Serious offenses against the SNU community include cheating, plagiarism, and all forms of academic dishonesty. Cheating or academic dishonesty is defined as the deception of others about one's own work or about the work of another. Examples of cheating include, but are not limited to:

1. Submitting another’s work as one’s own with or without permission from the other individual.
2. Completing an assignment as a group and submitting multiple copies, representing the work either implicitly or explicitly as completed individually.
3. Failing to properly acknowledge sources quoted, cited or consulted in the preparation of written work (plagiarism).
4. Using a textbook or notes during an examination without permission of the instructor.
5. Receiving or giving unauthorized help on assignments.
6. Stealing a problem solution from an instructor.
7. Tampering with experimental data to falsify desired results or creating results for experiments not done ("dry labbing”).
8. Tampering with or destroying the work of others.
9. Submitting substantial portions of the same academic work for credit or honors more than once without permission of the present instructor.
10. Lying about these or other academic matters.
11. Falsifying college records, forms or other documents.
12. Accessing of unauthorized computer systems or files.

Academic dishonesty in a computer assignment will be suspected if an assignment that calls for independent work results in two or more solutions so similar that one can be converted to another by a mechanical transformation.

**Enforcement**

Students who are guilty of academic integrity violations such as these can expect to be penalized; any student who knowingly assists another student in dishonest behavior is equally responsible.

The course instructor shall have the authority to deal with instances of academic dishonesty in a variety of ways including, but not limited to, the following:

1. Work may be redone for full or partial credit.
2. Alternate assignments may be given for full or partial credit.
3. Work may not be redone and no credit will be given for that particular assignment.
4. The student may be dropped from the course.

Faculty members are required to report any academic integrity incident to the Office of Academic Affairs. A student found violating academic integrity standards will be placed on academic integrity probation. Following two reports against a particular student, action will be initiated under provisions of the judicial code and may lead to dismissal of the student from SNU.

**ACADEMIC PROBATION AND INELIGIBILITY**

*If you are a provisionally admitted freshman or transfer admission, please refer to page 24 & 25*

Continued enrollment at SNU requires satisfactory progress toward an educational objective, as based on the following two indicators:

- The grade-point-average for the last semester in which the student was enrolled.
- The cumulative GPA for all college work attempted by the student.

A student is making satisfactory progress if the cumulative GPA is at least 2.00 and the previous semester GPA is at least 1.50 on 12 credit hours.

Students with grades falling below the required cumulative GPA of 2.00 are placed on probation status, as are students admitted under the provisional admission guidelines. Students earning less than a 1.50 GPA in any given semester are also placed on probation status even though the cumulative GPA may not
The purpose of these placements is to alert students to the importance of maintaining the GPA required for graduation and provide support services toward the completion of their academic goals. Students with over 60 credit hours completed whose cumulative GPA is sufficiently high to insure progress toward graduation may receive a warning in lieu of probation.

In order to graduate, students must also maintain a minimum GPA of 2.00 (or higher if so specified) in their major. The student should be aware that these guidelines apply only to academic standing and may not be the same as those used to determine eligibility for other areas (e.g. financial assistance awards, athletics).

Students placed on academic probation are required to develop accountability and monitoring plans. These students will meet with an Academic Services (AS) staff member and sign an academic probation contract that outlines the semester’s minimum probation requirements. This would include but not be limited to regular individual meetings with a representative of AS and participation in structured methods of group accountability or Student Support Services (SSS). Students on probation are expected to fulfill the provisions of their ACE probation contract in order to continue enrollment at SNU. If they do not do so, their enrollment may be discontinued.

For students on final probation, participation in school sponsored extracurricular activities, student government councils, auditioned performances, intercollegiate athletics, or off-campus touring may be restricted as recommended by ACE in consultation with the appropriate campus area. In addition, special academic advising will be required for students on final probation.

If the semester GPA remains below 1.50 and/or the cumulative GPA remains below 2.00 for two consecutive semesters, the student may be declared academically ineligible to continue enrollment in a degree program. Students who are declared academically ineligible may appeal their academic standing to the college dean of the student’s selected major. For an appeal to be successful, sufficient evidence must be provided by the student to indicate that a substantial change will occur in the student’s academic performance. In those cases, conditions of re-enrollment will be imposed; if those conditions are not met, the student may be withdrawn.

Students on academic probation must gain clearance through ACE before being allowed to finalize enrollment each semester. With the assistance of ACE personnel, probation students are required to develop a support and accountability plan designed to optimize their academic pursuits.

Veterans must maintain the minimum standards (cumulative grade point average) required by the State Regents of Higher Education to continue to receive veteran benefits.
Academics (Traditional)

SNU serves students seeking a baccalaureate degree in the context of a liberal arts, traditional, four-year setting. Students completing degree requirements for traditional undergraduate programs will earn a bachelor's degree in the arts or sciences, depending on the chosen academic program. Associate's degree are also available.

Questions regarding traditional undergraduate programs should be directed to the dean of the college of the student's selected major.
ACADEMIC ORGANIZATION

Administrators
Loren P. Gresham, Ph.D., University President
Mary Jones, Ph.D., University Provost and Chief Academic Officer
Linda Cantwell, Ed.D., Vice President for Enrollment Management
Michael Redwine, Ed.D., Vice President for Student Development
Scott W. Straw, Ed.D., Vice President for Financial Affairs
Terry Toler, Ed.D., Vice President for University Advancement and Church Relations

Colleges

COLLEGE OF BUSINESS, EDUCATION AND KINESIOLOGY - Sylvia Goodman, Ed.D., Dean
- Department of Kinesiology
- School of Business
- School of Education

COLLEGE OF HUMANITIES - Melany Kyzer, J.D., Dean
- Division of Cultural and Communication Studies
- School of Music
- School of Theology and Ministry

COLLEGE OF NATURAL, SOCIAL AND HEALTH SCIENCES - Mark Winslow, Ph.D., Dean
- Division of Science and Mathematics
  - Department of Biology
  - Department of Chemistry
  - Department of Computer Science/Network Engineering
  - Department of Mathematics
  - Department of Physics
- Division of Social and Behavioral Science
  - Department of History, Politics and Geography
  - Department of Psychology and Counseling
  - Department of Sociology
- School of Nursing

COLLEGE OF PROFESSIONAL AND GRADUATE STUDIES - Davis Berryman, Ph.D., Dean
- School of Graduate Studies
- School of Professional Studies

COLLEGE OF TEACHING AND LEARNING - Dennis Williams, Ph.D., Dean
- Academic Center for Excellence (ACE)
  - Academic Services
  - Writing & Tutoring Services
  - Disability Services
  - Student Support Services
  - Testing Services
- Center for Applied Studies in English (ASEC)
- Center for Global Engagement (CGE)
- General Education Program
- Honors Program
- Online Associates Degree program
- Online Resources Center
- Ronald E. McNair Postbaccalaureate Scholars Program
ACADEMIC SUPPORT CENTERS AND PROGRAMS

Academic Center for Excellence
See Academic Center for Excellence section of the catalog.

Center for Applied Studies in English (ASEC)
The Center for Applied Studies in English (ASEC) exists to prepare students who have not yet attained English competency with sufficient English skills for success in an English-speaking university setting.

Students accepted into ASEC intensive English programs are also accepted into the major department of their choice (for example, they are also nursing or M.B.A. students while they are ASEC students). The English classes are part of their coursework that must be completed before they can take higher level classes just as algebra is required before taking calculus. If desired, students can receive foreign language credit upon completion of the intensive English courses and receive either a minor or associates’ degree in English as a Foreign Language. Students continue undergraduate general requirements upon completion or enter a graduate program.

Program requirements for EFL programs are found under the Department of English in the Academic Program Curricula section of this catalog.

For more information about enrollment in the ASEC program, please see the SNU Web site at http://www.snu.edu/liveamerican.

Center for Global Engagement (CGE)
The CGE is here to help SNU students identify, make application for, and participate in off-campus academic programs that will help prepare and equip world Christians for service in an expanding global culture and economy. For more information, see www.snu.edu/study-abroad.

Quetzel Education Research Center
For more information, see Study Abroad and Department of Biology sections of the catalog.

Department of Athletics
For more information, see Intercollegiate Athletics and/or http://sports.snu.edu/.

Library
The SNU Library provides students with research resources for academic work. For information about the services the Library provides, go to the SNU main Web site at www.snu.edu/library.

Morningstar Institute
The Morningstar Institute is an international development and poverty alleviation training institute, housed in Southern Nazarene University's School of Business. Morningstar's primary purpose is to bring the knowledge of international development and poverty alleviation to students. Academic training is provided through the International Economic Development course (ECO 3053) offered by the School of Business. Morningstar Institute sponsors an international internship that gives the student analytical training through research as well as practical training on the field. These internships last between five to six months with the student earning approximately 15 hours of credit.

The Morningstar Institute was founded in 2005 by Southern Nazarene University to bring international development and microfinance opportunities to its students. Morningstar functions under Southern Nazarene University, administratively and financially, and upholds the ethics and values set by the University. For more information, see the Institute's Web site at www.morningstarinstitute.org.
Ronald E. McNair Post-Baccalaureate Achievement Program

The Ronald E. McNair Post-Baccalaureate Achievement Program (McNair Scholars) at SNU is a federally-funded program designed to encourage and prepare undergraduate students from disadvantaged backgrounds to pursue graduate degrees after leaving SNU. Students qualify for the program based on the criteria of being first generation (neither parent received a four-year college degree) and income-eligible or a member of an underrepresented group in graduate education such as African American, Native American, Hispanic/Latino, Native Hawaiian or Pacific Islander. Candidates with a 3.0 or higher GPA will be given first priority, although GPAs as low as 2.75 may be considered.

Students accepted for the program must demonstrate serious interest in pursuing a graduate degree after SNU and in conducting research in their field on the undergraduate level. Students from both traditional and professional studies (degree completion) programs are encouraged to apply. Students from traditional programs will be required to commit one summer (usually the summer between the Junior and Senior year) to the research internship.

The program includes a paid research internship, faculty mentorship, GRE preparation, graduate school visits, graduate school seminars, professional research presentations, cultural and scholarly activities, panel discussions and graduate school funding advisement.

The McNair office can be contacted at (405) 789-6400 x 6540 or mcnair@snu.edu. Information and a downloadable application can be found at www.snu.edu/mcnair. Interested students may also pick up an application in the McNair office on the third floor of the R. T. Williams Learning Resources Center.

Zig Ziglar Center for Ethical Leadership

SNU is a Christian community of scholars that seeks to model the hospitality of grace, the pursuit of truth, and the practice of discipleship to prepare graduates who think with clarity, act with integrity, and serve with purpose. The Zig Ziglar Center for Ethical Leadership is integral to the fulfillment of this mission as an academic center of excellence for the study and practice of Christian ethical leadership that serves the University and beyond. For more information about the Zig Ziglar Center for Ethical Leadership, go to the Web site at www.ziglarcenter.com.

It is the vision of the Ziglar Center to honor the life and legacy of Zig Ziglar by providing its constituents with transformational learning experiences drawn from the fields of Christian ethics and leadership that equip them to think with clarity, act with integrity, and serve with purpose.

The Ziglar Scholars' Program is a transformational leadership development experience formed in community serving undergraduate students who excel academically and exhibit exceptional leadership potential.

DEGREE REQUIREMENTS

Associate of Arts Degree (A.A.)

The Associate of Arts degree is awarded on the completion of selected two-year programs. All students enrolling in an A.A. degree program must fulfill the regular requirements for admission to SNU. To complete these degree programs, the degree candidate must complete 62 credit hours of college work and maintain a cumulative GPA of 2.00.

For the Associate in General Studies to be awarded, 30 credit hours must be earned from SNU (in residence) with a minimum of 15 credit hours completed at the sophomore level or above. No more than nine upper-division credit hours count toward the residence requirement. If the student later chooses to pursue a bachelor’s degree, the courses completed as part of the A.A. may apply.

In addition to the general policies for Associate of Arts degrees, students seeking to be awarded an Associate of Arts degree must complete courses in the General Education Foundation courses (29 credit
hours), Personal Development /General Education Elective (3 credit hours) and one course in each General Education Windows (21 credit hours) area. The remaining nine hours should be chosen from an area or areas of interest. A student who completes these requirements for an AA degree, and who does not focus study in any particular field, will be awarded an Associate of Arts in General Studies.

A student who, through a combination of choices from the General Education program and electives areas, fulfills the general requirements for an Associate of Arts degree and a minor in a particular field of study may be awarded an Associate of Arts Degree, provided the area of concentration has no established curriculum guidelines for the awarding of associate degree. A student choosing to pursue this approach, in consultation with their academic advisor, may petition the chair of the department or program director and the dean of the particular college in which the program of study is housed for a waiver of the nine-credit hour restriction on upper-division coursework. When considering granting such a waiver, advisors, department chairs/program directors and deans will take into consideration the petitioning student’s academic performance in prior courses and observations of growth and maturity in intellectual, emotional and social spheres as indicators of the student’s fitness to meet the challenge of upper division coursework.

Associate of Arts degree programs at SNU with specific concentrations are detailed in the various departmental academic curricula program listings.

**GENERAL STUDIES A.A. DEGREE**

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<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
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<td>ENGL 1113</td>
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<tr>
<td>ENGL 1213</td>
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<td>SP C 1133</td>
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<td>CSNE 1113</td>
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<td>THEO 1513</td>
<td>Christian Faith and Life</td>
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<td>PSY 1113</td>
<td>General Psychology</td>
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<td>PHIL 2013</td>
<td>Introduction to Philosophy</td>
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<td>MATH 1113</td>
<td>Math Concepts: Discrete Math</td>
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<td>MATH 1123</td>
<td>Math Concepts: Geometry &amp; Topology</td>
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<td>MATH 1133</td>
<td>Math Concepts: Probability &amp; Statistics</td>
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<td>MATH 1143</td>
<td>Math Concepts: Math Structures</td>
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<tr>
<td>MATH 1513</td>
<td>College Algebra</td>
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Select one of the following (3 credit):

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<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HP 1483</td>
<td>US History I</td>
<td></td>
</tr>
<tr>
<td>HP 1493</td>
<td>US History II</td>
<td></td>
</tr>
<tr>
<td>BADM 1113</td>
<td>Ethics and Business Principles</td>
<td></td>
</tr>
<tr>
<td>HP 1113</td>
<td>American Federal Government</td>
<td></td>
</tr>
<tr>
<td>BIOL 1013</td>
<td>Environmental Sustain &amp; Resilience</td>
<td></td>
</tr>
</tbody>
</table>
GENERAL EDUCATION ELECTIVE
Personal Development *(any approved General Education Course)* 3

WINDOWS
Students will choose one course from each of the seven Windows outcome areas:
- Critical Thinking and Problem Solving (3hrs)
- Civics, Ethics and Stewardship (3hrs)
- Effective Communication (3hrs)
- Science and Technology (3hrs)
- Global Perspectives (3hrs)
- Christian Scripture and Traditions (3hrs)
- Aesthetic Analysis (3hrs)

**All Baccalaureate Degrees**
Undergraduate programs leading to baccalaureate degrees require a minimum of 124 credit hours. A number of programs require more than the minimum to complete. The programs of study for students provisionally admitted who are required to enroll in zero-level courses will necessitate a minimum of 128-131 credit hours.

In addition to specialized preparation, a broad liberal arts background is required for all students. To ensure that all students share this liberal arts emphasis, the faculty has outlined the following general requirements, which apply to all baccalaureate programs:

To become a candidate for a degree, all admission requirements of SNU must be satisfied.

COMMENCEMENT AND DEGREE-GRANTING
SNU grants degrees in August, December and May of each academic year. Commencements are held in May and December. All requirements for graduation must be completed for students to be eligible to participate. Students with outstanding requirements will participate in a subsequent Commencement ceremony.

Students who complete all requirements for the degree may request an official transcript with a temporary degree statement to use until the official degree is granted.

RESIDENCE CREDIT
To become a candidate for any baccalaureate degree, the student must have a minimum of 30 credit hours earned at SNU. Fifteen of the last 30 credit hours needed to meet graduation requirements or program completion must be taken at SNU. Additionally, a minimum of 15 credit hours of the student’s major or concentration must be completed at SNU. Additional residence credit hours earned at SNU may be required by a department/school to complete a degree.

UPPER-DIVISION CREDIT
Forty credit hours must be in courses numbered 3000 or above. Any exceptions require approval of the college dean of the student’s selected major.

GRADE POINT AVERAGE
To receive a degree, the candidate must have a cumulative grade point average of 2.00 (on a 4.00 scale). A GPA of 2.00 is required in the major; a 2.00 is also required in the minor. In a multidisciplinary degree program, a GPA of 2.00 is required on the total concentration. Additional GPA guidelines may be required for some programs; if so, those requirements are specified in later sections of this catalog.

GENERAL EDUCATION
All students are expected to complete the designated set of General Education requirements as outlined in the General Education section of this catalog. Any exceptions, substitutions or waivers to the
designated General Education program must be recommended and initiated by the student’s academic advisor and approved by the General Education director and college dean of the student’s major.

**Bachelor of Arts (B.A.)**
The broadest background in the arts, letters, and sciences is provided by the type of curriculum leading to the Bachelor of Arts (B.A.) degree. The curricula leading to the B.A. degree give particular emphasis to the study of the arts and letters, is broad enough to acquaint the student with numerous fields of study, and requires sufficient concentration in the major and minor to provide a basis for further specialization in graduate or professional school.

**DEPARTMENTAL MAJOR/MINOR**
In addition to the baccalaureate degree requirements, the student will complete requirements specified by a department for the major, not to exceed 50 credit hours, supported by a minor of at least 15 credit hours. No more than 50 credit hours from the departmental major may be applied toward the degree.

**LANGUAGE REQUIREMENTS**
Students are required to complete at least six credit hours of foreign language. Departments may prescribe additional credit hours of language.

Note: Language credit in either elementary or intermediate Spanish can be earned at the end of an immersion semester at QERC by students opting to take the in-house placement exam (which includes listening, writing, and speaking components). A professional examiner designated by the chair of the Department of Modern Languages will recommend the awarding of credit for either Elementary Spanish I/II and/or Intermediate Spanish I/II, based on the exam results.

**Bachelor of Science (B.S.)**
The type of curriculum leading to the Bachelor of Science degree provides for a general education in the arts, letters, and sciences, but gives more particular emphasis to the natural sciences, applied sciences and/or professional studies than the curricula leading to the B.A. degree. The B.S. degree is designed to provide students with thorough preparation in a particular academic discipline or in a combination of particular areas. This degree is characterized by depth of preparation in one area, complemented by breadth of academic experience in the overall course of study. This degree equips students in those fields in which extensive preparation in a discipline is expected for post-baccalaureate employment or study. Consequently, the student must complete at least 50 credit hours in a concentrated area of study.

**LANGUAGE REQUIREMENTS**
Students expecting to enter graduate school are advised but not required to include foreign language (six-14 credit hours) in the course of study. Certain programs may have special language requirements (e.g. Music Performance). Also, see “Note” under Language Requirements for Bachelor of Arts above.

**Bachelor of Music Education (B.M.E.)**
The Bachelor of Music Education degree is conferred upon the completion of a four-year course in music. Three patterns for the major are provided, making it possible for the student to concentrate in performance, vocal, or instrumental music. The curriculum is designed to meet the requirements for state certification as teachers of vocal or instrumental music in the public schools.

Two types of concentrations are offered for this degree: instrumental/general, and vocal/general. Fulfillment of the basic General Education requirements is also expected for all B.M.E. programs unless specific exceptions have been approved by the faculty. Additional requirements for the B.M.E. degree include 1) the specified block of professional education credit hours that includes methods and student teaching, and 2) Specific music courses and special requirements and regulations as outlined under the School of Music.
**Second Baccalaureate Degree**
To become a candidate for a second undergraduate degree, the student must complete at least 30 credit hours of work in addition to the 124 credit hours required for the first degree and must complete any additional degree requirements that may apply. For example, if the student's first degree was a Bachelor of Science degree in Biology, the second degree will require a minimum of 30 credit hours and whatever additional requirements are associated with completion of a Bachelor of Arts degree (e.g. six credit hours of foreign language). In addition, the student must meet all of the requirements set forth in the curriculum for the second degree. If the first degree is not from SNU, then a minimum of 30 credit hours in residence is required. If the first degree is from SNU, at least 15 of the last 30 credit hours must be taken in residence. In no case will more than one degree be conferred upon a candidate at any one Commencement (not to be confused with a second major).

**Second Major**
To become a candidate for a second undergraduate major, a student must complete all degree requirements for both programs with a minimum of 30 credit hours completed in each major. With careful planning, it may be possible for a student to complete a double major within the 124-credit hour minimum, although this is unlikely. It is more typical that completion of a double major will require more than 124 credit hours.

If a student has already completed one bachelor’s degree from SNU and subsequently pursues a second major, a minimum of 30 additional credit hours is required of which 15 must be earned in residence. In addition, the student must meet all of the requirements set forth in the curriculum for the second major. If the first degree was not from SNU, a minimum of 30 credit hours earned at SNU is required.

**Multidisciplinary Concentrations**
A multidisciplinary concentration is a second program option for both the B.A. and B.S. degree tracks. Under the multidisciplinary concentration, the student will complete not less than 60 credit hours in courses related to the student’s declared life objectives from two or more academic areas (departments, schools, academic programs). A minimum of 20 credit hours or the prescribed minor must be completed in each of academic areas. At the time the student designates a multidisciplinary course of study as a major, the specific courses to be included in the program and a statement of rationale must be approved by the chairs of each of the primary academic areas. To facilitate planning and advisement, this document should be approved and filed in the Office of the Registrar no later than the end of a student’s sophomore year.

The General Education program provides students with the opportunity to engage in the study of the knowledge, skills and dispositions at the heart of the Christian liberal arts tradition. All students in the University are expected to complete 57 credit hours of courses designed to broaden their perspectives on the world, human creativity. These courses should deepen their ability to think clearly, communicate effectively, solve complex problems, and understand and articulate their identity in relationship to the Wesleyan-holiness tradition that supports the spiritual and intellectual tradition of the University. Students who successfully complete the General Education program will have demonstrated proficiency in seven general learning outcomes:

1. **Critical Thinking/Problem Solving**: Students demonstrate the ability to evaluate the assumptions and arguments embedded in expressions of thought and use that knowledge to creatively and systematically solve problems utilizing appropriate principles and methods from a variety of disciplines. Critical thinkers and problem solvers can predict possible results of potential actions, evaluate possible solutions in an ethical framework and successfully plan and execute a solution.
2. Civics, Ethics & Stewardship: Within the framework of a Christian worldview, students demonstrate the ability to articulate an understanding of civic engagement, ethics and stewardship and the influence of responsible citizenship on community, the nation and the world.

3. Effective Communication: Students demonstrate the ability to construct rational arguments based on solid evidence acquired from appropriate sources and through the use of the best available methods and can communicate those arguments clearly and concisely using sound rhetorical strategies in both speech and writing.

4. Aesthetic Analysis: Students demonstrate the ability to evaluate artistic expressions, including the fine arts, music, drama, literature, media, and human movement (i.e., dance, sports), through the use of political, sociological, anthropological and aesthetic theories.

5. Global Perspectives: Students demonstrate the ability to interpret and contextualize current events in light of historical, geographical, sociological, economic, and political contexts.

6. Science and Technology: Students demonstrate the ability to evaluate developments in science, technology and health on the basis of elementary principles, good scientific practices, and the proper interpretations of mathematical models and statistics.

7. Christian Tradition and Scriptures: Students demonstrate the ability to articulate how a Christian perspective creates and deepens meaning in cultural, personal, social and aesthetic issues; can evaluate moral and ethical choices in light of sound interpretations of Christian scriptures based on the best available methods, Christian traditions, and the Wesleyan theological perspective; and can operationalize that analysis through active stewardship and service.

The program is divided into two elements: Foundations and Windows.

FOUNDATIONS
In the Foundations, incoming students engage in building basic skills (effective communication and problem solving) and are introduced to general approaches to understanding the world (science and technology, aesthetics, global perspectives, civic and ethics, and faith perspectives). The foundations requirement consists of 29 credit hours of course work.

WINDOWS
As students complete courses in the General Education Foundations area (the GE Foundation courses should be completed by the end of the Sophomore year), students choose at least one course from each General Education learning outcome category referred to as Windows. Because SNU strives to be a Christ-centered community of scholars, we require students to take a course in Christian Scriptures (either B LT 2013 Old Testament Literature and Life or B LT 2023 New Testament Literature and Life) and a course in the Foundations of Christian Beliefs (THEO 3053). Both of these courses fall in the Christian Scriptures and Traditions learning outcome area. Beyond these courses, students will choose one course from each of the other six outcome areas and an additional four credit hours of Personal Development elective courses. Together these 28 credit hours of coursework provide students with an opportunity to deepen their understanding of the world and refine the skills they began to develop in the foundations area.

HONORS PROGRAM

Admission Criteria
Entrance into the Honors Program is determined by the Honors Program Director on the basis of the following criteria:

- Score of 25 composite or greater on the ACT or SAT equivalent (recommended)
- Personal essay and cover letter submitted by the student
- Two reference forms
- Overall high school academic work
Transfer students wishing to apply for the Honors Program may do so if they are transferring after two college-semesters or fewer. Transfer students may follow a modified curriculum for timely completion of the Honors Program as indicated in the curriculum section below.

**Honors Scholarship Eligibility**
- Progress toward completion of Honors Program each semester (i.e., taking at least one honors course per semester in the first year or per year in the next three years so that continual progress toward completion of the Honors Program curriculum is being made)
- Maintenance of 3.50 or higher cumulative and semester GPA
  - A student who falls below a 3.50 GPA in any one semester will be placed on probation.
  - If a student’s GPA remains below 3.50 the following semester the student may remain in the Honors Program via petition but will not be eligible for Honors Scholarships.
- Maintenance of good community standing based on report from Student Development and student’s major department

**Graduation with Honors Program Designation**
- Successful completion of the Honors Program 24-hr curriculum
- Maintenance of good community standing based on report from Student Development and student’s major department

**Withdrawal**
A student may elect to withdraw from the Honors Program at any time without penalty. All honors courses will count toward the student’s General Education coursework; however, withdrawing will cause the student to complete an additional course – CSNE 1113 Integrated Software Applications – that is waived for honors students on the basis of other coursework completed throughout the entirety of the Honors Program curriculum.

**Curriculum**
With careful planning, all honors courses will fulfill General Education credit hours so no “additional” credit hours are required to complete the Honors Program. The Honors Program consists of the following curriculum.

### FRESHMAN STUDENTS

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>General Education Foundation Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HON 1111</td>
<td>Honors Gateway</td>
<td>1</td>
</tr>
<tr>
<td>HON 2113</td>
<td>Honors Academic Writing: Research</td>
<td>3</td>
</tr>
<tr>
<td>HON 2213</td>
<td>Logic &amp; Problem Solving</td>
<td>3</td>
</tr>
<tr>
<td>HON 2123</td>
<td>Professional Speaking</td>
<td>3</td>
</tr>
<tr>
<td><strong>General Education Windows Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HON 3053</td>
<td>International Economic Dev. &amp; Poverty Alleviation</td>
<td>3</td>
</tr>
<tr>
<td>HON 3114</td>
<td>Honors Interdisciplinary Seminars (taken twice)</td>
<td>8</td>
</tr>
<tr>
<td><strong>General Education Electives</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HON 3211-2</td>
<td>Honors Intercultural Practicum</td>
<td>1-2</td>
</tr>
<tr>
<td>HON 4111-2</td>
<td>Honors Thesis/Project</td>
<td>1-2</td>
</tr>
<tr>
<td>Additional Honors elective(s) to bring Honors coursework total to 24</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Honors Program Credit Hours**

- Honors students entering as freshmen may petition to substitute up to nine credit hours of study-abroad coursework for Honors electives or non-foundation requirements.
TRANSFER STUDENTS

Course Number | Course Title                              | Credit Hours |
--------------|--------------------------------------------|--------------|
HON 1111      | Honors Gateway                            | 1            |
HON 2113      | Honors Academic Writing: Research         | 3            |
HON 2213      | Logic & Problem Solving                   | 3            |
HON 3053      | International Economic Dev. & Poverty Alleviation | 3       |
HON 3114      | Honors Interdisciplinary Seminar          | 4            |
Electives     | General Education Windows course + Honors contract | 7+        |
HON 4111      | Honors Capstone (Thesis/Project and Intercultural Project) | 1 |
HON 4112      | Honors Capstone (Thesis/Project and Intercultural Project) | 2 |

Honors Program Credit Hours for Transfer Students 24+

ADDITIONAL HONORS COURSES OFFERED

HON 3221-2 Honors Colloquium are specialty courses offered that can be less academic in nature and may substitute for personal development General Education courses with General Education Director approval.

Honors sections of required General Education courses are offered on occasion (Modern World, Christian Faith & Life, etc.)

ACADEMIC HONORS AND AWARDS

To encourage scholarship and culture, SNU awards a number of academic honors to outstanding students.

Graduation Honors
The following academic honors are awarded upon graduation from SNU:

CUM LAUDE
A student whose grade point average for the entire college program is between 3.50 and 3.74 will be considered eligible for graduation with the honor cum laude.

MAGNA CUM LAUDE
A student whose GPA for the entire college program is between 3.75 and 3.89 will be considered eligible for graduation with the honor magna cum laude.

SUMMA CUM LAUDE
A student whose GPA for the entire college program is at least 3.90 will be considered eligible for graduation with the honor summa cum laude.

Other Honors and Awards

UNIVERSITY MARSHALS
Each year the students classified as juniors who have among highest GPAs are selected as university marshals. This is the highest collegiate honor attainable by student with junior standing. The students receiving this distinction lead the senior class in all formal academic processions and are given public recognition at the time of commencement.

PRESIDENT’S AWARD
Each year the SNU faculty selects two seniors enrolled in traditional programs as the outstanding man
and woman of the graduating class. Candidates must have been enrolled in SNU for at least three semesters to be eligible for this award. The qualities considered in their selection include scholarship, loyalty and cooperation, leadership, service and sportsmanship.

**TULLIS FRESHMEN ACHIEVEMENT AWARD**
At the beginning of each academic year, the faculty selects four students from the freshman class of the preceding year to receive this award. Election is based upon scholarship, leadership, character and participation in school activities. The awards are announced during the following fall semester.

**SEMESTER ACHIEVEMENT RECOGNITION**
At the end of each semester the Semester Achievement Recognition list names eligible students for recognition of high academic achievement. Students are eligible if they have a semester GPA of 3.70 or above, have no grade below "C" and have completed a minimum of 12 credit hours during the semester as a traditional undergraduate student.

**SEMESTER EXCELLENCE RECOGNITION**
At the end of each semester the university president recognizes those traditional undergraduate students who have completed 12 credit hours or more during the semester with a GPA of 4.00.

**Honor Societies**
SNU is an institutional member of the National Association of Collegiate Honor Societies. In addition, a variety of campus-wide, discipline-based honor societies are active on campus.

**ALPHA LAMBDA DELTA**
This national freshman honor society has a chapter on the SNU campus. Its purpose is to encourage a high standard of learning, to promote intelligent living, and to help students recognize and develop meaningful goals for their roles as informed citizens in society. Students earn membership by maintaining a GPA of 3.60 on a first semester load of at least 15 credit hours, or a two-semester load of at least 30 credit hours. Members are active in the sophomore year.

**ALPHA EPSILON DELTA**
Alpha Epsilon Delta is the National Health Preprofessional Honor Society dedicated to the encouragement and recognition of excellence in preprofessional health scholarship, including medicine, dentistry, veterinary, and others. The society welcomes all students pursuing a professional healthcare career. AED offers opportunities for intellectual and professional development, provides a forum for students with common interests, and extends a program of service to benefit the college/university community.

**BETA BETA BETA**
Beta Beta Beta (TriBeta) is a society for students, particularly undergraduates, dedicated to improving the understanding and appreciation of biological study and extending boundaries of human knowledge through scientific research. Members must have completed one term of a second year of a four-year curricular program or its equivalent. Also, members must have completed with a 3.00 GPA at least three courses in biological sciences of which at least one is not an introductory course.

**DELTA MU DELTA**
This honor society promotes sound scholarship in business and recognizes scholastic achievement in business subjects. To be eligible, undergraduate students must have a cumulative GPA of at least 3.25 after completing 62 credit hours, and must be in the top 20 percent of their total class in cumulative grades. Graduate members must have a cumulative GPA of 3.80 after completing 16 credit hours and must be in the top 20 percent of their total class in cumulative grades.

**KAPPA DELTA PI**
This international honor society for education students seeks to recognize sound scholarship, commendable personal qualities, worthy educational ideals and outstanding contributions to education.
Any junior student majoring in education, with a 3.50 GPA, is invited to join the society and remains a member for life. The local chapter (Phi Tau) is very active in service projects and in sponsoring programs that promote excellence in education.

**MORTAR BOARD**
This national honor organization focuses on scholarship, leadership, and service. Membership is open to elected seniors in traditional programs who are in the upper 35 percent of their class. Service to campus and community are a primary focus of this group.

**PHI DELTA LAMBDA**
This organization is the national honor society of the colleges and universities of the Church of the Nazarene. The SNU affiliate is known as the Epsilon Chapter. The chapter is comprised of honor graduates of SNU’s traditional programs (approximately the top 15 percent of each graduating class) who have been elected to membership by the faculty. Membership in the chapter is a significant honor. Among the criteria considered by the faculty in the election of honor society members are 1) graduation with honors, and 2) exemplary behavior reflecting the ethical standards and Christian ideals of SNU. The minimum GPA of graduation with honors is 3.50.

**PHI ALPHA THETA**
Phi Alpha Theta is the national history honor society that works to promote the study of history by encouraging research, good teaching, publication and the exchange of learning and ideas among historians and those with an interest in the field. Southern Nazarene University students are eligible for membership in the local chapter of Phi Alpha Theta (Alpha Xi Delta) if they have completed 12 credit hours in history with a 3.10 GPA or better and a cumulative 3.00 GPA.

**PSI CHI**
This honor society is for psychology students who are elected to membership on the basis of scholarship and academic excellence. The society's purpose is to encourage excellence in all areas of a student’s study and to promote the advancement of the science of psychology. Undergraduates must be in the top 35 percent of their class; graduate members must maintain a 3.00 average.

**SIGMA TAU DELTA**
Sigma Tau Delta (Psi Xi) is a National English Honor Society for English majors. Undergraduates must have a 3.20 GPA and be in the top 15% of the student's class GPA, either junior or senior.

**SIGMA DELTA PI**
Junior and senior students of Spanish may be elected to membership after completing 24 credit hours of Spanish (including at least three credit hours of Hispanic literature). The society seeks to honor those who attain excellence in the study of the Spanish language, literature and culture. It also promotes greater awareness of the contributions of Hispanic culture to the modern world and fosters mutual respect between Spanish- and English-speaking people.

**SIGMA PI SIGMA**
This national honor society is for students majoring in physics. Undergraduate candidates must complete three semester courses that would apply toward a degree in physics and be in the upper one-third of their class in general scholarship. Sigma Pi Sigma nurtures a spirit of professional community among its diverse members, encouraging them to offer their collective wisdom and perspectives to service of society.

**SIGMA TAU DELTA**
This is an international honor society for students majoring in English.

**SIGMA THETA TAU**
This international honor society for nursing students recognizes achievement and leadership, fosters professionalism and creativity, and seeks to strengthen commitment to ideals of the profession. Eligible students must have completed half of the nursing curriculum, be in the upper 35 percent of their
graduating class, have a 3.00 cumulative GPA, and have demonstrated academic integrity.
Financial Information (Traditional)

Southern Nazarene University is among the most affordable Christian colleges in the country. The financial support of our denomination enables us to offer a quality education for thousands less than other similar universities. To maximize this value, students are encouraged to complete the FAFSA (Federal Financial Aid). Additionally, students can use our scholarship estimator to calculate some of the institutional awards which are available.

For the most current financial information related to costs, fees, refund policies, payment plans, and financial assistance, visit the SNU Web site.

www.snu.edu/financial-undergrad
FINANCIAL INFORMATION

TUITION/FEES (Traditional Programs)

Southern Nazarene University is among the most affordable Christian colleges in the country. The financial support of our denomination enables us to offer a quality education for thousands less than other similar universities. To maximize this value, students are encouraged to complete the FAFSA (Federal Financial Aid). Additionally, students can use our online scholarship estimator (https://webapps.snu.edu/secure/scholarship-estimator/) to calculate some of the institutional awards which are available.

On-campus Students

<table>
<thead>
<tr>
<th>Item</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Block Tuition (12-17 Credit Hours)</td>
<td>Included</td>
</tr>
<tr>
<td>Laptop Computer</td>
<td>$20,490</td>
</tr>
<tr>
<td>Room &amp; Board (Semi-private, 15 meal plan with $200 flex)</td>
<td>$7,600</td>
</tr>
<tr>
<td>General Fee/Health Fee</td>
<td>$684</td>
</tr>
<tr>
<td>Yearly Total</td>
<td>$28,774</td>
</tr>
</tbody>
</table>

(Semester charges will be 1/2 of this amount)

Off-campus Students

<table>
<thead>
<tr>
<th>Item</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Block Tuition (12-17 Hours)</td>
<td>Included</td>
</tr>
<tr>
<td>Laptop Computer</td>
<td>$20,490</td>
</tr>
<tr>
<td>General Fee/Health Fee</td>
<td>$684</td>
</tr>
<tr>
<td>Yearly Total</td>
<td>$21,174</td>
</tr>
</tbody>
</table>

(Semester charges will be 1/2 of this amount)

These are estimated costs for the 2012-2013 academic year. Due to the individualized nature of these expenses, books, personal expenses, individual class fees, and travel are not included in these totals.

Important Note: All students are required to live on-campus until they are 22 years old, unless they live with their parents, grandparents, or are married.

FINANCIAL ASSISTANCE

A wealth of useful information about financial assistance opportunities available at Southern Nazarene University can be found on the SNU Web site at www.snu.edu/financial-assistance. Students are encouraged to apply for scholarships, financial assistance, and other resources by the appropriate deadlines. Use the link to go directly to the Free Application for Federal Student Aid on the Web to apply for most financial aid.

SATISFACTORY ACADEMIC PROGRESS

Students must make satisfactory progress toward a degree to receive financial assistance per federal regulations. Progress is measured by hours attempted, hours completed and cumulative grade point average. Financial assistance funds include Pell Grant, Supplemental Educational Opportunity Grant (SEOG), Academic Competitiveness Grant (ACG), SMART Grant, TEACH Grant, Work-Study, Perkins Loan, Direct/Stafford Student Loan, Parent Loan, Oklahoma Tuition Aid Grant (OTAG & OTEG), OHLAP and SNU scholarships.

Southern Nazarene University will monitor the following for all financial assistance students at the end of each spring semester.

Measurable Satisfactory Academic Progress

Hours attempted and completed:

<table>
<thead>
<tr>
<th>Student Type</th>
<th>Undergraduate</th>
<th>Graduate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full-time student</td>
<td>12 hrs/sem (24/yr)</td>
<td>9 hrs/sem (18/yr)</td>
</tr>
<tr>
<td>Three-quarter time student</td>
<td>9 hrs/sem (18/yr)</td>
<td>8 hrs/sem (16/yr)</td>
</tr>
<tr>
<td>Half-time student</td>
<td>6 hrs/sem (12/yr)</td>
<td>6 hrs/sem (12/yr)</td>
</tr>
</tbody>
</table>
Grades that will not be considered as completed credit hours include the following: F-Failing grade, W-Withdrawal, WP-Withdrawal Passing, I-Incomplete, CLEP or Audit-no credit.

Students who receive financial assistance must maintain a minimum 2.00 cumulative grade point average (1.75 for first time freshmen for their first academic year).

**Limitation of Eligibility of Federal Assistance**

Students must complete their program of study before they have attempted more than 150 percent of the published number of required credit hours. For example, students enrolled in a program that requires 124 credit hours, must complete all required courses by the time they have completed 186 credit hours. This includes accepted transfer credit hours.

**Probation**

In the event students fail to complete the required number of hours and/or required GPA, they may continue to receive financial assistance for one additional semester, but will be placed on probation for that semester. During the probation semester, if the students complete the semester with a 2.00 GPA and 12 credit hours, they will be removed from probation for the following semester. If they do not, the students will be placed on suspension for the following semester.

**Suspension**

For those students who have been placed on probation and have not made satisfactory academic progress, the Financial Assistance Office will suspend them for the following semester. The suspension notification means termination of all future financial assistance until reinstatement requirements have been met.

**Reinstatement**

To be reinstated from suspension and receive financial assistance, students must achieve a semester 2.00 GPA completing at least 12 credit hours.

When students have been reinstated from suspension, they will be returned to financial assistance on probation for one semester. While on reinstated probation, a student must maintain a 2.00 GPA completing 12 credit hours, otherwise they will again be suspended.

**Appeals**

Exceptions to this policy will be considered, on a case-by-case basis, when unusual circumstances warrant such action. Examples of unusual circumstances are: personal injury, illness, or death of an immediate family member. An appeal must be in writing to the Director of Financial Assistance and within 30 days of the suspension notice. The director will review the appeal and with advice from the financial assistance committee determine whether the suspension is justified. The student will be advised in writing of the decision.

**Transcripts**

Official transcripts are released only if all accounts are paid, and the student has requested the transcript IN WRITING.

**Other Financial Information**

More information about payment plans, scholarships and financial assistance can be found on the SNU Web site at http://snu.edu/financial-undergrad.
Academic Program Curricula

The success of SNU graduates reflects the commitment of faculty and administrators to thoroughly prepare students for their chosen avenues of service. SNU graduates enter a wide variety of occupational settings after having earned well-respected academic credentials at the University. Likewise, graduates from the University’s pre-professional programs are welcomed as strong candidates into the best professional schools all over the country.

While SNU faculty members are active, respected and published in their professions, their principal concern is to effectively facilitate student learning. Nearly all of the full-time faculty members teach lower-division and upper-division courses. A favorable faculty-student ratio makes it possible for students to receive personalized help not available at many larger universities. SNU students are also very fortunate to have facilities, equipment and opportunities usually available only at much larger universities.

This chapter outlines requirements for majors, minors, certifications, and/or emphases. The program credit hour totals listed at the end of each program simply refer to the credit hours for the major/minor/certificate, not the total credit hours needed to graduate. General Education requirements are found on separate pages of the catalog. Multidisciplinary program majors will be outlined by the student's advisor as guided by the criteria adopted for those majors by the SNU faculty. The specific course plan for multidisciplinary programs must be filed in the Office of the Registrar no later than the student’s sophomore year. Detailed information may be secured from the Office of Academic Affairs.
ACADEMIC PROGRAMS BY COLLEGE

COLLEGE OF BUSINESS, EDUCATION & KINESIOLOGY

SCHOOL OF BUSINESS

MAJORS
- Accounting
- Aviation –Business
- Business Administration
- Business Administration/Pre-law
- Business Multidisciplinary
- Finance
- International Studies (see Department of History, Politics and Geography)
- Management
- Marketing

MINOR
- Business

SCHOOL OF EDUCATION

MAJORS
- Early Childhood Education
- Education: Liberal Studies
- Elementary Education
- English Education (see Department of English)
- Mathematics Education (see Department of Mathematics)
- Music Education - Instrumental (see School of Music)
- Music Education - Vocal (see School of Music)
- Physical Education - P-12 (see Department of Kinesiology)
- Science Education (see Department of Physics)
- Social Studies Education (see Department of History, Politics and Geography)

MINOR
- Equine Studies

DEPARTMENT OF KINESIOLOGY

MAJORS
- Athletic Training
- Exercise Science
- Kinesiology
  - Pre-occupational Therapy
  - Pre-physical Therapy
- Physical Education - P-12
- Physical Education - Sports and Leisure
- Sport Information
- Sport Management

MINOR
- Coaching

COLLEGE OF HUMANITIES

DIVISION OF CULTURAL & COMMUNICATION STUDIES

(Departments of Art & Design, English, Modern Languages and Speech Communication)

MAJOR
- Cultural & Communication Studies

MINOR
- Cultural & Communication Studies
DEPARTMENT OF ART & DESIGN

MAJOR
Graphic Design

MINOR
Art

DEPARTMENT OF ENGLISH

MAJORS
English
English-Language and Culture
English-Literature
English-Writing
English Education

MINORS
Creative Writing
English
English as a Foreign Language

DEPARTMENT OF MODERN LANGUAGES

MAJORS
International Studies (see Department of History, Politics and Geography)
Spanish
Spanish-English Translation

MINOR
Spanish

DEPARTMENT OF SPEECH COMMUNICATION

MAJORS
Human Relations (see Department of Speech Communication)
Mass Communication
Public Relations
Speech Communication

MINORS
Mass Communication
Speech Communication

SCHOOL OF MUSIC

MAJORS
Music
Music Business
Music Education - Instrumental
Music Education - Vocal
Music Performance - Instrumental
Music Performance - Keyboard
Music Performance - Vocal
Worship Arts

MINORS
Church Music
Music

SCHOOL OF THEOLOGY AND MINISTRY

MAJORS
Missions
Philosophy
Theology
Pastoral Ministry
Youth Ministry

**MINORS**
- Biblical Languages
- Children’s Ministry
- Cross-cultural Ministry
- Philosophy
- Theology
- Urban Ministry
- Youth Ministry

**COLLEGE OF NATURAL, SOCIAL AND HEALTH SCIENCES**
**DIVISION OF SCIENCE AND MATHEMATICS**
(Departments of Biology, Chemistry, Computer Science/Network Engineering, Mathematics, and Physics)

**DEPARTMENT OF BIOLOGY**
**MAJORS**
- Biology
- Biology-Chemistry
- Environmental Studies

**MINOR**
- Biology

**DEPARTMENT OF CHEMISTRY**
**MAJORS**
- Biology-Chemistry (see Department of Biology)
- Chemistry

**MINOR**
- Chemistry

**DEPARTMENT OF COMPUTER SCIENCE/NETWORK ENGINEERING**
**MAJORS**
- Computer Science
- Management Information Systems
- Network Engineering
- Software Development

**DEPARTMENT OF MATHEMATICS**
**MAJORS**
- Mathematics
- Mathematics Education
- Statistics/Actuarial Science

**MINOR**
- Mathematics

**DEPARTMENT OF PHYSICS**
**MAJORS**
- Physics
- Science Education

**MINOR**
- Physics
DIVISION OF SOCIAL AND BEHAVIORAL SCIENCES
(Departments of History, Politics and Geography; Psychology and Counseling; and Sociology)

DEPARTMENT OF HISTORY, POLITICS AND GEOGRAPHY

**MAJORS**
- History
- International Studies
- Politics and Law
- Social Studies Education

**MINORS**
- Geography
- History

DEPARTMENT OF PSYCHOLOGY AND COUNSELING

**MAJORS**
- Psychology

**MINOR**
- Psychology

DEPARTMENT OF SOCIOLOGY

**MAJORS**
- Human Relations *(see Department of Speech Communication)*
- Sociology

**MINORS**
- Sociology
- Urban Ministry *(see School of Theology and Ministry)*

SCHOOL OF NURSING

**MAJORS**
- Nursing

UNSPECIFIED COLLEGE PROGRAMS

PREPROFESSIONAL PROGRAMS

- Allied Health
- Pre-agriculture
- Pre-architecture
- Pre-engineering
- Pre-medicine
- Pre-medical Technology
- Pre-optometry
- Pre-pharmacy
COLLEGE OF BUSINESS, EDUCATION AND KINESIOLOGY

Sylvia Goodman, Ed.D., Professor/Dean, College of Business, Education, Kinesiology (Fall 2001)

B.S., Taylor University
A.T.C., Certified Athletic Trainer
M.A., Miami University
Ed.D., Boston University

SCHOOL OF BUSINESS

School Mission
The mission of the SNU School of Business is to provide quality programs in preparation for professional careers in business and society based on a discernment of ethical Christian principles.

School Motto
Bringing the mind of Christ to the world of business.

School Objectives
School of Business graduates will demonstrate:
• a business philosophy as a calling in order to integrate one’s professional life within a framework of Christian principles and ethical business conduct;
• competencies in content areas in preparation for business and professional careers in various fields including not-for-profit organizations;
• servant-leadership, and teamwork skills in communicating, problem solving, and interpersonal relations;
• knowledge of current business trends including a global business perspective;
• preparation for graduate studies and professional certification in selected fields of business or law;
• use of information and technology effectively for problem solving and communicating professionally.

School Full-time Faculty
B.A., Southern Nazarene University
M.B.A, University of Central Oklahoma
Ed.D., Oklahoma State University

J. Rendall Garrett, CPA, Assistant Professor (Fall 1976)
B.S., Bethany Nazarene College
M.S.A., Oklahoma City University
Certified Public Accountant

Larry Mills, Ph.D., Professor (Fall 1969)
C.M.A., Institute of Management Accounting
B.S., Southern Nazarene University
M.B.A., University of Oklahoma
Ph.D., University of Oklahoma

David O’Bannon, Assistant Professor (Fall 2011)
B.S., Southern Nazarene University
M.B.A., Oklahoma City University
Cynthia Powell, CPA, Assistant Professor (Fall 1985)
B.S., Southern Nazarene University
M.B.A., University of Central Oklahoma
Certified Public Accountant

Randall Spindle, Ed.D., J.D., Professor/Interim Chair (1978-1993; Fall 1999)
B.A., Southern Nazarene University
M.A., Southern Nazarene University
Ed.D., Oklahoma State University
J.D., University of Oklahoma Law School

School Special Policies
Six concentration patterns are offered in fulfilling the requirements for a B.S. degree from the School of Business. These concentrations include the basic core and specialized subjects. A transfer student must take at least 50% of their course work in business from Southern Nazarene University to receive the B.S. degree from SNU. Double majors must be taken from two distinctly different disciplines; therefore, double majors are not permissible with the School of Business degree plans.

School Majors
ACCOUNTING MAJOR (124-Credit Hour Program)
Graduates of this accounting program are prepared for entry-level positions in public, private or not-for-profit accounting. Educational requirements to sit for the Certified Public Accountant (CPA) examination currently vary among states. All candidates sitting for the CPA exam in the State of Oklahoma will be required to have 150 credit hours in higher education, including a baccalaureate degree, and a minimum of 30 credit hours of upper division accounting courses with at least one course in auditing (see below).

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>BADM 1113</td>
<td>Ethics and Business Principles</td>
<td>3</td>
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<tr>
<td>ACC 2113</td>
<td>Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACC 2123</td>
<td>Principles of Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>BADM 3173</td>
<td>Principles of Management Science</td>
<td>3</td>
</tr>
<tr>
<td>BADM 3103</td>
<td>Business Communication</td>
<td>3</td>
</tr>
<tr>
<td>BADM 3113</td>
<td>Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>BADM 3123 or 3133</td>
<td>Business Law II or International Business Law</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2113</td>
<td>Macroeconomics</td>
<td>3</td>
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<tr>
<td>ECO 2123</td>
<td>Microeconomics</td>
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<tr>
<td>FIN 3103</td>
<td>Business Finance</td>
<td>3</td>
</tr>
<tr>
<td>MGT 2113</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 4123</td>
<td>Business Policy (senior capstone course)</td>
<td>3</td>
</tr>
<tr>
<td>MKT 2113</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>ACC 3113</td>
<td>Intermediate Accounting I</td>
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<td>Cost Analysis</td>
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<td>ACC 3153</td>
<td>Income Tax for Individuals</td>
<td>3</td>
</tr>
<tr>
<td>ACC 4123</td>
<td>Advanced Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 4133</td>
<td>Auditing</td>
<td>3</td>
</tr>
<tr>
<td>ACC 4143</td>
<td>Consolidated Statements</td>
<td>3</td>
</tr>
<tr>
<td>MGT 4113</td>
<td>Management Information Systems</td>
<td>3</td>
</tr>
</tbody>
</table>

Accounting Major Credit Hours 66
Suggested Additional Electives
ACC 3163 Managerial Accounting
ACC 4153 Income Tax for Business and Fiduciary Entities
ACC 4173 Not-for-Profit Accounting
ACC 4183 Accounting Internship

ACCOUNTING - CPA MAJOR (150-Credit Hour Program)
Graduates of this accounting program are prepared for entry-level positions in public, private or not-for-profit accounting. Educational requirements to sit for the Certified Public Accountant (CPA) examination currently vary among states. All candidates sitting for the CPA exam in the State of Oklahoma will be required to have 150 semester credit hours of college credit, including a baccalaureate degree, and a minimum of 30 credit hours of upper division accounting courses with at least one course in auditing.

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<tr>
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<tbody>
<tr>
<td>ACC 3163</td>
<td>Managerial Accounting</td>
<td></td>
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<tr>
<td>ACC 4153</td>
<td>Income Tax for Business and Fiduciary Entities</td>
<td></td>
</tr>
<tr>
<td>ACC 4173</td>
<td>Not-for-Profit Accounting</td>
<td></td>
</tr>
<tr>
<td>ACC 4183</td>
<td>Accounting Internship</td>
<td></td>
</tr>
</tbody>
</table>

Choose upper-division electives from the following to complete 150 credit hours:
ACC Internship, BADM, FIN, MGT, MKT, CS/NE, communications, ethics, logic, algebra, calculus, foreign language, statistical methods or other approved areas

Accounting-CPA Major Credit Hours 72

Note: Graduates of the 124-credit hour accounting degree may satisfy the 150-credit hour CPA exam candidacy requirement by completing the SNU Master of Business Administration program. The MBA program normally takes 22 months to complete; however, it may be possible to complete in 12 months. Students opting the 12-months completion program cannot be employed more than 30 hours a week.
AVIATION-BUSINESS MAJOR

Aviation credit hours in the baccalaureate program in business can be brought to the transcript on a pro rata basis. Primary Ground Instruction (AV 1113) and Primary Flying (AV 1123) will be added to the official transcript upon proof of private pilot license for the first 24 college credit hours. Instrument Ground Instruction (AV 3113) and Instrument Flying (AV 3123) will be added to the official transcript upon proof of instrument rating when 48 credit hours are earned. Commercial Ground Instruction (AV 3133), Commercial Flying I (AV 3143) and Commercial Flying II (AV 3153) will be added to the transcript upon proof of commercial rating when 62 credit hours are earned. All academic coursework must be taken at SNU. Southern Nazarene University reserves the right for check rides and passing before any aviation credit hours are added to the transcript. All check rides are at the student’s expense.

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<td>AV 1113</td>
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<td>AV 3153</td>
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<tr>
<td>AV 4121</td>
<td>Multi-Engine Flying</td>
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<td>AV 4132</td>
<td>Certified Flight Instructor</td>
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<td>AV 4141</td>
<td>Certified Flight Instrument Instructor</td>
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<td>AV 4151</td>
<td>Multi-Engine Instructor</td>
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<td>AV 4181-3</td>
<td>Internship/Individual Study</td>
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Aviation-Business Major Credit Hours: 63
## BUSINESS ADMINISTRATION MAJOR

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**Accounting Elective**

*Choose one of the following*

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<td>ACC 3163</td>
<td>Managerial Accounting</td>
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</table>

**Business Administration Courses**

Choose 18 credit hours of upper division courses (3000 or higher) from the following: ACC, AV, BADM, FIN, MGT, MKT (including at least one international course in FIN, Law, MGT or MKT)  

**Business Administration Major Credit Hours**  

60

## BUSINESS ADMINISTRATION/PRE-LAW MAJOR

<table>
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<td>Principles of Marketing</td>
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**Accounting Elective**

*Choose one of the following*

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<td>Managerial Accounting</td>
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### Business Administration Courses

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<th>Credit Hours</th>
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<tbody>
<tr>
<td>MGT 3123</td>
<td>Human Resource Management</td>
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<tr>
<td>HP 3993</td>
<td>Introduction to Law</td>
<td>3</td>
</tr>
<tr>
<td>At least one international course in FIN, Law, MGT or MKT</td>
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### Electives

*Choose three of the following*

<table>
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<td>ACC 3153</td>
<td>Income Tax for Individuals</td>
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<tr>
<td>ACC 4153</td>
<td>Income Tax for Business and Fiduciary Entities</td>
<td>3</td>
</tr>
<tr>
<td>FIN 3143</td>
<td>Real Estate</td>
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<td>HP 3123</td>
<td>Legislative Process</td>
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<tr>
<td>HP 4153</td>
<td>Constitutional Law</td>
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<tr>
<td>MGT 3133</td>
<td>Small Business Management</td>
<td>3</td>
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<tr>
<td>MGT 4163</td>
<td>Organizational Behavior</td>
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### Business Administration/Pre-law Major Credit Hours

60

### FINANCE MAJOR

<table>
<thead>
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<tr>
<td>BADM 1113</td>
<td>Ethics and Business Principles</td>
<td>3</td>
</tr>
<tr>
<td>ACC 2113</td>
<td>Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACC 2123</td>
<td>Principles of Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>BADM 3173</td>
<td>Principles of Management Science</td>
<td>3</td>
</tr>
<tr>
<td>BADM 3103</td>
<td>Business Communication</td>
<td>3</td>
</tr>
<tr>
<td>BADM 3113</td>
<td>Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>BADM 3123 or 3133</td>
<td>Business Law II or International Business Law</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2113</td>
<td>Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2123</td>
<td>Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>FIN 3103</td>
<td>Business Finance</td>
<td>3</td>
</tr>
<tr>
<td>MGT 2113</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 4123</td>
<td>Business Policy (senior capstone course)</td>
<td>3</td>
</tr>
<tr>
<td>MKT 2113</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Accounting Elective

*Choose one of the following*

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 3113</td>
<td>Intermediate Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACC 3143</td>
<td>Cost Analysis</td>
<td>3</td>
</tr>
<tr>
<td>ACC 3153</td>
<td>Income Tax for Individuals</td>
<td>3</td>
</tr>
<tr>
<td>ACC 3163</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Finance Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 3133</td>
<td>Investments</td>
<td>3</td>
</tr>
<tr>
<td>FIN 3143</td>
<td>Real Estate</td>
<td>3</td>
</tr>
<tr>
<td>FIN 4123</td>
<td>Money and Banking</td>
<td>3</td>
</tr>
<tr>
<td>FIN 4153</td>
<td>International Finance</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Electives

*Choose six credit hours from the following*

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Intermediate Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACC 3123</td>
<td>Intermediate Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>ACC 3153</td>
<td>Income Tax for Individuals</td>
<td>3</td>
</tr>
<tr>
<td>ACC 4153</td>
<td>Income Tax for Business and Fiduciary Entities</td>
<td>3</td>
</tr>
<tr>
<td>FIN 4113</td>
<td>Principles of Insurance</td>
<td>3</td>
</tr>
</tbody>
</table>
INTERNATIONAL STUDIES MAJOR
See Department of History, Politics and Geography

MANAGEMENT MAJOR

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BADM 1113</td>
<td>Ethics and Business Principles</td>
<td>3</td>
</tr>
<tr>
<td>ACC 2113</td>
<td>Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACC 2123</td>
<td>Principles of Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>BADM 3173</td>
<td>Principles of Management Science</td>
<td>3</td>
</tr>
<tr>
<td>BADM 3103</td>
<td>Business Communication</td>
<td>3</td>
</tr>
<tr>
<td>BADM 3113</td>
<td>Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>BADM 3123 or 3133</td>
<td>Business Law II or International Business Law</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2113</td>
<td>Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2123</td>
<td>Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>FIN 3103</td>
<td>Business Finance</td>
<td>3</td>
</tr>
<tr>
<td>MGT 2113</td>
<td>Principles of Management</td>
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</tr>
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<td>MGT 4123</td>
<td>Business Policy (senior capstone course)</td>
<td>3</td>
</tr>
<tr>
<td>MKT 2113</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
</tbody>
</table>

Accounting Elective

*Choose one of the following*

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
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</tr>
<tr>
<td>ACC 3163</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
</tbody>
</table>

Management Courses

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGT 3123</td>
<td>Human Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 3133</td>
<td>Small Business Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 4163</td>
<td>Organizational Behavior</td>
<td>3</td>
</tr>
<tr>
<td>MGT 4173</td>
<td>International Management</td>
<td>3</td>
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</tbody>
</table>

Electives

*Choose six credit hours from the following*

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGT 4113</td>
<td>Management Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>STAT 3143</td>
<td>Statistical Methods</td>
<td>3</td>
</tr>
<tr>
<td>MGT 4181-3</td>
<td>Internship</td>
<td>1-3</td>
</tr>
</tbody>
</table>

Management Major Credit Hours

60

MARKETING MAJOR

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BADM 1113</td>
<td>Ethics and Business Principles</td>
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<td>Principles of Accounting I</td>
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<tr>
<td>STAT 3143</td>
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<td>3</td>
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<td>FIN 4181-3</td>
<td>Internship</td>
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<td>Statistical Methods</td>
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</tr>
<tr>
<td>MGT 4181-3</td>
<td>Internship</td>
<td>1-3</td>
</tr>
</tbody>
</table>
### Accounting Elective

*Choose one of the following*

- ACC 3113 Intermediate Accounting I  
- ACC 3143 Cost Analysis  
- ACC 3153 Income Tax for Individuals  
- ACC 3163 Managerial Accounting  

### Marketing Courses

- MKT 3153 Promotional Strategies  
- MKT 3163 Consumer Behavior  
- MKT 4173 Strategic Marketing  
- MKT 4163 International Marketing  

### Electives

*Choose six credit hours from the following*

- MKT 3123 Professional Sales  
- MKT 3133 Retailing  
- MKT 4133 Supply Chain Management  
- MKT 4181-3 Internship (one to three credit hours)  
- MKT 4193 Marketing Research  
- MGT 3123 Human Resource Management  
- MCOM 4343 Public Relations  
- STAT 3143 Statistical Methods  

### Marketing Major Credit Hours

60

### MULTIDISCIPLINARY MAJOR IN BUSINESS (B.A. DEGREE)

The student will complete not less than 60 credit hours in courses related to the student’s declared objective and selected from more than one department or school of SNU. A minimum of 30 credit hours is required in the School of Business. Six credit hours of language study are required to complete this program.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ACC 2113</td>
<td>Principles of Accounting I</td>
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</tr>
<tr>
<td>ACC 2123</td>
<td>Principles of Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>BADM 3113</td>
<td>Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2113</td>
<td>Macroeconomics</td>
<td>3</td>
</tr>
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<td>ECO 2123</td>
<td>Microeconomics</td>
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</tr>
<tr>
<td>FIN 3103</td>
<td>Business Finance</td>
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</tr>
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<td>Principles of Marketing</td>
<td>3</td>
</tr>
</tbody>
</table>

**Electives** (choose six credit hours of upper-division courses)

6
Foreign Language 6

**Multidisciplinary Major in Business (B.A. Degree) Credit Hours 36**

**MULTIDISCIPLINARY MAJOR IN BUSINESS (B.S. DEGREE)**

The student will complete not less than 60 credit hours in courses related to the student’s declared objective and selected from more than one department or school of SNU. A minimum of 30 credit hours is required in the School of Business.

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<tbody>
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<td>BADM 3113</td>
<td>Business Law I</td>
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<tr>
<td>MGT 2113</td>
<td>Principles of Management</td>
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</tr>
<tr>
<td>MKT 2113</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
</tbody>
</table>

**Electives** (choose six credit hours of upper-division courses) 6

**Multidisciplinary Major in Business (B.S. Degree) Credit Hours 30**

**School Associate of Arts Degree Programs**

The Associate of Arts degree is awarded on the completion of selected two-year programs. All students enrolling in an A.A. degree program must fulfill the regular requirements for admission to SNU. To complete these degree programs, the degree candidate must complete 62 credit hours of college work and maintain a cumulative GPA of 2.00. Thirty credit hours must be completed at SNU and a minimum of 15 credit hours earned at SNU, (in residence) must be completed at the sophomore level or above. No more than nine credit hours of upper division credit count toward the residence requirement. If the student later chooses to pursue a bachelor’s degree, the courses completed as part of the A.A. may apply.

In addition to the general policies for Associate of Arts degrees, students seeking to be awarded an Associate of Arts degree must complete courses in the General Education Foundation area and at least one course in each General Education Perspectives (Windows) area (43-47 credit hours depending on pathway through Foundations coursework). The remainder of courses (15-19 credit hours) should be chosen from an area or areas of interest.

**AVIATION A.A. DEGREE**

All coursework must be done at SNU for aviation credit hours to be placed on the transcript.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AV 1113</td>
<td>Primary Ground Instruction</td>
<td>3</td>
</tr>
<tr>
<td>AV 1123</td>
<td>Primary Flying</td>
<td>3</td>
</tr>
<tr>
<td>AV 3113</td>
<td>Instrument Ground Instruction</td>
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</tr>
<tr>
<td>AV 3123</td>
<td>Instrument Flying</td>
<td>3</td>
</tr>
<tr>
<td>AV 3133</td>
<td>Commercial Ground Instruction</td>
<td>3</td>
</tr>
<tr>
<td>AV 3143</td>
<td>Commercial Flying I</td>
<td>3</td>
</tr>
<tr>
<td>AV 3153</td>
<td>Commercial Flying II</td>
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</tbody>
</table>

**Business Electives**

Select courses from any area in business to complete program 11

**Aviation Credit Hours for A.A. Degree 32**
BUSINESS A.A. DEGREE

Course Number  Course Title                                      Credit Hours
---             -----------------------------                          ----
ACC 2113       Principles of Accounting I                      3
BADM 1113      Ethics and Business Principles                 3
BADM 3173      Principles of Management Science               3
BADM 3103 or 3113 Business Communication or Business Law I  3
CSNE 1213      Computer Applications for Business              3
ECO 2113       Macroeconomics                                  3
MGT XXX3       Any management course                           3
MKT XXX3       Any marketing course                            3
Any business course                                     3

Business Electives
Select courses from any area in business to complete program 5

Business Credit Hours for A. A. Degree  32

School Minor
BUSINESS MINOR

A School of Business minor consists of 18 credit hours, of which nine must be upper division, selected from one or a combination of the following areas: accounting, aviation, business administration, finance, management, and marketing.

SCHOOL OF EDUCATION

School Objectives
The general purpose of professional Teacher Education at SNU is to orient the students to the teaching profession and to assist them in becoming competent teachers in a democratic society. Toward the realization of this objective, a sequential program of instruction and experience has been organized to assist students in the attainment of the following goals:

- To promote understanding of basic social, philosophical, psychological, legal and economic foundations of education.
- To become acquainted with mental, emotional, and physical foundations of education.
- To assist in forming a base for understanding the nature of equal education opportunity.
- To promote awareness and understanding of the diverse nature of learners including multicultural and mainstreaming dimensions of education and their demands for teachers and implications for society.
- To assist in the development of a positive self-concept.
- To promote mastery of learning processes.
- To develop basic skills in diagnosing learners' (including the mainstreamed student) needs and making decisions relative to meeting these needs with appropriate information, methods, and media.
- To develop knowledge, understanding and appreciation of the cultural social and scientific achievements of individuals in their environment.
- To develop a personal philosophy of life and of education within a framework of Christian principles.
• To promote positive interpersonal relationships that builds the learning-teaching process.
• To encourage development of an attitude that will lead to continued professional growth.

School Full-time Faculty

Beverly DeVries, Ed.D., Professor (Fall 1993)
B.A., Northwestern College
M.A., Western Michigan University
Ed.D., Oklahoma State University

Mary Eskridge, Ed.D., Professor (Fall 1996)
B.S., Bethany Nazarene College
M.A., Southern Nazarene University
Graduate Study, University of Central Oklahoma
Ed.D., Oklahoma State University

Kenneth (Kep) Keoppel, Ph.D., Professor (Fall 1981)
B.A., Bethany Nazarene College
M.A., Bethany Nazarene College
Ph.D., University of Oklahoma

Betty Lou Thompson, Associate Professor (Fall 1986)
B.S., Bethany Nazarene College
M.A., Bethany Nazarene College
Advanced Graduate Study, University of Oklahoma

J. Timothy Taylor, Ed.D., Professor/Director, Teacher Education (Fall 1995)
B.Mus.Ed., Bethany Nazarene College
Graduate Study, University of Arkansas
M.Ed., Northeastern Oklahoma State University
Ed.D., Oklahoma State University

Rex Tullis, Ed.D. Professor/Chair/Director, M.A.E.L. (Fall 1995)
B.A., Marion College
M.Ed., Indiana University
Ed.D., Ball State University

Teacher Education
Teacher Education is one of the leading undergraduate programs at SNU. All Teacher Education programs are accredited by the National Council for Accreditation of Teacher Education (NCATE) and approved by the State Board of Education for the State of Oklahoma.

CERTIFICATE PROGRAMS
SNU offers programs for certificates at the following levels and areas:
• Early Childhood (pre-kindergarten through grade 3)
• Elementary Education (grades 1-8)
• Secondary Education (grades 6-12)
• All levels (pre-kindergarten through grade 12) including:
  o Physical education
  o Music: instrumental/general
  o Music: vocal/general
• Secondary (grades 6 through 12) including:
Detailed academic requirements for these certificate programs are listed in the Teacher Education Handbook available through the School of Education.

The above programs are available to meet the academic course work requirements of the following classes of certificates.

**Standard (five-year validity)**
This is considered Oklahoma’s permanent certificate, although it must be renewed each five years. Renewal requirements are three years of teaching during the five-year period or completion of five credit hours in the major or a related field. Consult the State Department of Education for alternative methods of meeting requirements.

**One-year License**
All students completing programs will apply for the one-year license. A recommendation from the Office of Teacher Education verifies completion of an approved program certification at the appropriate level and is based on the academic preparation, the passing of the state teacher certification tests. If planning to teach outside of Oklahoma, the student should consult with the Department of Education of that state.

**ADMISSION TO TEACHER EDUCATION PROGRAM**
All students who wish to prepare to teach and meet certification requirements are required to apply and be admitted to Teacher Education. This admissions process must be completed preceding enrollment in any 4000-level professional education courses. Applications may be made any time after completion of 24 credit hours. However, all applications should be completed before the beginning of the junior year.

The admissions process is designed to recruit persons with a strong commitment to teaching. Early application assists in helping the student develop skills and abilities. Criteria for admission follows (Detailed check sheets are available in the Office of Teacher Education):

- Full admission to SNU
- Completion of Introduction to Education (ED 2111) including all observation hours.
- Successful completion of a minimum of 24 credit hours.
- Enrollment in Foundations of Education (ED 2162).
- Minimum cumulative GPA of 2.50.
- Pass the OGET (Oklahoma General Education Test).
- A grade of "C" or better in a basic speech communication course.
- Satisfactory completion of an interview with the admissions committee.
- 24 hours of field experience completed.
- Completion or current enrollment in Composition I (ENGL 1113).
- Completion or current enrollment in Composition II (ENGL 1213).
- Completion or current enrollment in a mathematics course.
- Demonstration of a positive interest in teaching by prior experiences and activities as shown on the Interview Guide and the Evaluation by Cooperating Teacher of Field Observation.

**ADMISSION TO TEACHER EDUCATION PROGRAM**
All students who are preparing to teach are required to take the all-day professional semester program. This program is an entire semester devoted to an intensive teaching experience. The student must plan and expect to devote the full school day, Monday through Friday, to coursework and laboratory
experiences and additional time to cocurricular activities. During the off-campus period, the student is expected to devote full time to professional responsibilities, as does the teacher on the job. Application for the professional semester should be made during the spring semester preceding the year in which the student plans to take the professional sequence of course work. This application is separate from the application for Admission to Teacher Education and approval is contingent upon the applicant meeting the following criteria (The Teacher Education Council is responsible for criteria implementation):

- Admission to the Teacher Education program prior to application for the professional semester.
- A cumulative GPA of 2.50 in the specialization and overall.
- Completion of at least one-half of the total specialization.
- Recommendation by the student’s major department and two faculty members.
- An approved certificate program on file.
- Good standing (not on disciplinary probation).
- Completion of a minimum of 90 semester credit hours.
- Completion of one semester in residence at SNU.
- Proof of professional liability insurance coverage.
- This candidate’s status is reviewed periodically as the student progresses through the program. Final recommendation by the School of Education is needed before a teacher candidate is approved for student teaching.

**CERTIFICATE CHECK SHEET**

Any student expecting to teach should confer with the teacher education advisor in the subject area in which the student desires to teach. The requirements outlined for General Education, professional education, and specialization fit into the degree requirements of SNU. The certificate programs are outlined in terms of areas and levels of teaching rather than college departments of instruction. By careful planning the student can meet the minimum requirements outlined for a certificate, and the additional requirements for a degree with a major in a chosen department, within the normal range of credit hours required for graduation.

**TEACHING LICENSE/STANDARD TEACHING CERTIFICATE**

To secure a license or standard certificate to teach in most states, six general requirements must be met:

- Completion of an approved certificate program in an institution approved for Teacher Education.
- Graduation from an accredited college with a bachelor’s degree.
- Passing the state teacher certification test(s) when required.
- Recommendation for licensure by the director of Teacher Education of the college attended or review and acceptance of a student's file by the state office for teacher certification.
- Meet any statutory requirements of the state. The curricular requirements for the certificate programs are divided into three areas: General Education, professional education, and specialization.
- Meet foreign language requirement.

**GENERAL EDUCATION FOR TEACHER EDUCATION**

The General Education requirement is essentially the same in all teacher education programs. In some certificate programs, a limited number of credit hours in General Education may be counted in the area of specialization when approved by the Teacher Education Council. Detailed outlines of the General Education requirements for all degrees are given in the section of the catalog devoted to degree requirements. Professional and specialization requirements are printed in the Teacher Education Handbook.
School Majors

EDUCATION MAJOR

All programs in early childhood, elementary, and secondary degrees follow the certificate program guidelines outlined in the Teacher Education Handbook. However, slight variations may be allowed if recommended by the director of teacher education and approved by the chair of the School of Education. In all cases, substantial coursework must be completed in both specialization and professional education.

EDUCATION-LIBERAL STUDIES MAJOR

This degree is for an individual who:

- is interested in a broad liberal arts education
- may have started a teacher education program but discovers an incompatibility with the expectations of the teaching profession
- has needs in parenting and family relationships
- has interest in church or business responsibilities and desires to combine these areas with education, or may not have a clear vocational goal
- is not seeking a standard teaching certificate

The following requirements are to be met in completing this degree:

1. Complete 24 credit hours selected from the following courses:

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ED 2111</td>
<td>Introduction to Education*</td>
<td>1</td>
</tr>
<tr>
<td>ED/PSY 2173</td>
<td>Psychology of Children/Youth*</td>
<td>3</td>
</tr>
<tr>
<td>ED or PSY</td>
<td>A guidance and/or counseling course</td>
<td>3</td>
</tr>
<tr>
<td>ED 2162</td>
<td>Foundations of Education*</td>
<td>2</td>
</tr>
<tr>
<td>ED 3223</td>
<td>Learning and Evaluation</td>
<td>3</td>
</tr>
<tr>
<td>ED 3222</td>
<td>Child Development</td>
<td>2</td>
</tr>
<tr>
<td>ED 4141</td>
<td>Survey of Exceptional Child</td>
<td>1</td>
</tr>
<tr>
<td>ED 3562</td>
<td>Health, Safety, Nutrition, and PE</td>
<td>2</td>
</tr>
<tr>
<td>ED 4534</td>
<td>Middle School Curriculum and Design</td>
<td>4</td>
</tr>
<tr>
<td>ED 4522</td>
<td>Characteristics of Early Adolescents</td>
<td>2</td>
</tr>
<tr>
<td>ED 4553</td>
<td>Child and Social Systems*</td>
<td>3</td>
</tr>
<tr>
<td>ED 3512</td>
<td>Social Studies in Elementary School</td>
<td>2</td>
</tr>
<tr>
<td>ED 3422</td>
<td>Primary Literature/Language Arts</td>
<td>2</td>
</tr>
<tr>
<td>ED 3464</td>
<td>Elementary Literature/Language Arts</td>
<td>4</td>
</tr>
<tr>
<td>ED 3633</td>
<td>Child Guidance: Theory and Practice</td>
<td>3</td>
</tr>
<tr>
<td>ED 2142</td>
<td>Educational Technology*</td>
<td>3</td>
</tr>
<tr>
<td>PSY 3133</td>
<td>Human Development</td>
<td>3</td>
</tr>
<tr>
<td>ED 3442</td>
<td>Primary Math/Science</td>
<td>2</td>
</tr>
<tr>
<td>ED 3452-3</td>
<td>Intermediate Math/Science</td>
<td>2-3</td>
</tr>
<tr>
<td>ED 3683</td>
<td>Literacy Development and the Creative Arts</td>
<td>3</td>
</tr>
<tr>
<td>ED 4483-4</td>
<td>Cognitive Development</td>
<td>3-4</td>
</tr>
<tr>
<td>ED 3323</td>
<td>Developmental Reading/Practicum</td>
<td>3</td>
</tr>
</tbody>
</table>

* Required courses.

2. Complete a total of 36 credit hours (no more than six credit hours may be counted in the General Education requirement) in three of the following areas. At least 15 credit hours must be completed in one area with no less than six credit hours in each of the three:

   -
3. Complete electives to make a minimum of 124 credit hours.

4. Complete 40 upper division credit hours.

Note: the student must submit a supplementary statement of non-teacher certification and the intention of pursuing a career outside of public school teaching.

**School Minor**  
**EQUINE STUDIES MINOR**

Students completing 18 credit hours of the following courses can earn a minor in Equine Studies. This minor can be combined with any major offered at SNU.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEG 1301 or 1311</td>
<td>Elementary Horsemanship I or II</td>
<td>1</td>
</tr>
<tr>
<td>EQST 2112</td>
<td>Advanced Horsemanship II</td>
<td>2</td>
</tr>
<tr>
<td>EQST 2123</td>
<td>Introduction to Equine Studies</td>
<td>3</td>
</tr>
<tr>
<td>EQST 3112</td>
<td>Equine Anatomy</td>
<td>2</td>
</tr>
<tr>
<td>EQST 3212</td>
<td>Equine Physiology</td>
<td>2</td>
</tr>
<tr>
<td>EQST 3133</td>
<td>Introduction to Equine Reproduction</td>
<td>3</td>
</tr>
<tr>
<td>EQST 3312</td>
<td>Equine Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>EQST 3313</td>
<td>Equine Facilities Management</td>
<td>3</td>
</tr>
</tbody>
</table>

**DEPARTMENT OF KINESIOLOGY**

**Departmental Objectives**

The SNU Department of Kinesiology operates in the framework of Biblical Christian values to which SNU is committed. Reflecting this philosophy, the objectives of the department are to provide instruction and experiences as follows:

- To prepare students to teach physical education, health, and safety (P-12) and athletic coaching.
- To prepare students for careers in exercise science (personal trainer, strength coach) and allied medical professions (pre-physical therapy, physical therapy (PT), pre-occupational therapy, and occupational therapy (OT)).
- To prepare athletic training students for the Board of Certification examination and become a certified athletic trainer (ATC) recognized by the National Athletic Trainers' Association (NATA).
- To develop a knowledge base for careers in sports management (athletic business) and sports information.
- To enable SNU students to develop an understanding of basic principles, knowledge, and practices for personal lifetime health/fitness/wellness activities.
- To enable students to develop skills in leisure lifetime physical activities.
Departmental Full-time Faculty

Holly Bingham, Assistant Professor (Fall 2012)
B.S., Southern Nazarene University
A.T.C., Certified Athletic Trainer
M.B.A., Southern Nazarene University

Sylvia Goodman, Ed.D., Professor/Dean, College of Business, Education, Kinesiology (Fall 2001)
B.S., Taylor University
A.T.C., Certified Athletic Trainer
M.A., Miami University
Ed.D., Boston University

Kenneth Hardee, Assistant Professor (Fall 2008)
B.A., Northwest Nazarene University
M.S., Southern Illinois University at Carbondale

Rachel Hildebrand, Assistant Professor (Fall 2012)
B.S., University of Tulsa
M.Ed., Xavier University
ATC, Certified Athletic Trainer
ABD, Oklahoma State University

Stephane Shellenberger, Assistant Professor/Chair (1977-1985; Fall 1992)
B.S., Bethany Nazarene College
M.A., Central State University

Departmental Majors

ATHLETIC TRAINING MAJOR

The objective of this program is to prepare students interested in an athletic training career. After January 1, 2004, undergraduate students must graduate from an accredited athletic training education program to be eligible to take the Board of Certification’s (BOC) certification examination. The SNU Athletic Training Education Program (ATEP) was awarded accreditation by the (CAAHEP) in January 2004 and is now accredited by the Commission on Accreditation of Athletic Training Education (CAATE). In addition to the prescribed academic courses, each student will be required to complete six semesters of clinical education under the direct supervision of an approved clinical instructor (ACI). These clinical experiences will occur in the SNU athletic training facilities, the SNU Student Health Center, private physical therapy clinics and physician’s offices. Admission to the SNU Athletic Training Education program is competitive. The admission requirements and policies are published in the Athletic Training Student Handbook.

Becoming an athletic training major at SNU requires successful completion of each of the following:

- The student must be accepted into SNU.
- The student is required to enroll in the following courses the (freshman) first semester: First Aid/CPR and Safety, Foundations of Athletic Training, Lower Extremity Injury Recognition and Evaluation of the Physically Active and Lab, and Human Anatomy.
- The student is required to enroll in the following courses the freshman second semester: Upper Extremity Injury Recognition and Evaluation of the Physically Active and Lab, and Human Physiology. In April of the freshman second semester, students may apply and interview for acceptance into the SNU ATEP.
- Contingent upon satisfactory grades, interview outcome and the evaluation of the technical standards (see Athletic Training Student Handbook, page 8), students will be offered appointment in the ATEP.
based on the number of available openings per year. Those students receiving notification of acceptance into the ATEP will then begin the three-year Athletic Training Clinical Rotation.

- Each athletic training student will be required to enroll in two off-site internships. The Internship I course is to be taken in the summer after completion of Clinical Rotation I and II. Internship II is to be taken in the summer after completion of Clinical Rotation III and IV. The student, with approval of the ATEP director, will arrange the internships. The student must obtain a letter grade of "C" or better to continue in the clinical rotation sequence.

- During the last semester of enrollment or upon completion of Clinical Rotations I – VI and Internships I and II, the student is eligible to apply for taking the BOC certification examination. Passing scores on the examination will result in being awarded the title of Certified Athletic Trainer (ATC) recognized by the NATA.

- Each student is minimally required to maintain a current professional rescuer CPR/first aid card and a cumulative GPA of 2.50. Application deadline for the student positions in the ATEP is April 15.

The athletic training curriculum is structured around the required course domains as specified by the CAATE and NATA, which include the following:

- Risk management and injury prevention
- Pathology of injuries and illnesses
- Orthopedic clinical examination and diagnosis
- Acute care of injury and illness
- Pharmacology
- General medical conditions and disabilities
- Healthcare administration
- Conditioning and rehabilitative exercise
- Therapeutic modalities
- Nutritional aspects of injury and illness
- Psychosocial intervention and referral
- Professional development and responsibilities

Note: The program director may allow a student to apply for admission into the program without the completion of one of the required courses. However, that course must be completed within one academic year of being accepted into the program.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 1113</td>
<td>General Psychology</td>
<td>**</td>
</tr>
<tr>
<td>KNES 1613</td>
<td>First Aid/CPR and Safety and Lab</td>
<td>**</td>
</tr>
<tr>
<td>KNES 1624</td>
<td>Lower Extremity Injury Rec/Eval of the Phys. Active &amp; Lab</td>
<td>4</td>
</tr>
<tr>
<td>NURS 2102</td>
<td>Pharmacology</td>
<td>2</td>
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<tr>
<td>BIOL 2224</td>
<td>Human Anatomy and Lab</td>
<td>**</td>
</tr>
<tr>
<td>BIOL 2234</td>
<td>Human Physiology and Lab</td>
<td>**</td>
</tr>
<tr>
<td>KNES 2613</td>
<td>Personal and Community Health</td>
<td>**</td>
</tr>
<tr>
<td>KNES 2664</td>
<td>Upper Extremity Injury Rec/Eval of the Phys. Active &amp; Lab</td>
<td>4</td>
</tr>
<tr>
<td>NURS 2323</td>
<td>Nutrition</td>
<td>3</td>
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<tr>
<td>KNES 3613</td>
<td>Exercise Physiology</td>
<td>3</td>
</tr>
<tr>
<td>KNES 3624</td>
<td>Therapeutic Modalities and Lab</td>
<td>4</td>
</tr>
<tr>
<td>KNES 4634</td>
<td>Therapeutic Physical Rehabilitation and Lab</td>
<td>4</td>
</tr>
<tr>
<td>KNES 4643</td>
<td>Administration and Mangmnt of Athletic Training Programs</td>
<td>3</td>
</tr>
<tr>
<td>KNES 4693</td>
<td>Biomechanics and Kinesiology</td>
<td>3</td>
</tr>
</tbody>
</table>
Clinical Education Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>KNES 1601</td>
<td>Foundations of Athletic Training</td>
<td>1</td>
</tr>
<tr>
<td>KNES 2632</td>
<td>Athletic Training Clinical Rotation I</td>
<td>2</td>
</tr>
<tr>
<td>KNES 2642</td>
<td>Athletic Training Clinical Rotation II</td>
<td>2</td>
</tr>
<tr>
<td>KNES 3652</td>
<td>Athletic Training Clinical Rotation III</td>
<td>2</td>
</tr>
<tr>
<td>KNES 3662</td>
<td>Athletic Training Clinical Rotation IV</td>
<td>**</td>
</tr>
<tr>
<td>KNES 4652 and 4662</td>
<td>Athletic Training Internship I and II</td>
<td>2/2</td>
</tr>
<tr>
<td>KNES 4672</td>
<td>Athletic Training Clinical Rotation V</td>
<td>2</td>
</tr>
<tr>
<td>KNES 4682</td>
<td>Athletic Training Clinical Rotation VI</td>
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</table>

Additional Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 1114</td>
<td>General Physics I and Lab <em>(Trigonometry recommended)</em></td>
<td>**</td>
</tr>
<tr>
<td>KNES 1511</td>
<td>Teaching and Performance of Weight Training</td>
<td>**</td>
</tr>
<tr>
<td>KNES 2653</td>
<td>Introduction to Health Psychology</td>
<td>3</td>
</tr>
<tr>
<td>KNES 2672</td>
<td>Terminology for Health Professions</td>
<td>2</td>
</tr>
<tr>
<td>KNES 4533</td>
<td>Research Measurement and Evaluation</td>
<td>**</td>
</tr>
<tr>
<td>NURS 2404</td>
<td>Health Assessment and Lab</td>
<td>4</td>
</tr>
</tbody>
</table>

Athletic Training Major Credit Hours **53-54**

EXERCISE SCIENCE MAJOR

The objective of this major is to prepare the student for a career related to health, fitness/wellness in schools, hospitals, medical clinics, community and private fitness centers. The American College of Sports Medicine (ACSM) offers a number of certifications: Personal Trainer, Health/Fitness Instructor (HFI), Exercise Specialist (ES), and Registered Clinical Exercise Physiologist (RCEP). Refer to www.lww.com.acsmcre for ACSM prerequisites and application materials. The National Strength and Conditioning Association (NSCA) certifies individuals as a Certified Personal Trainer (NSCA-CPT) and/or Certified Strength and Conditioning Specialist (CSCS). These certifications may require additional course prerequisites, workshops, clinical rotations and/or graduate education. Refer to departmental Program Planning Form, UNIVISOR, and/or Suggested Four-year Course Schedule for detailed graduation requirements.

Upon completion of the major, the student:

- demonstrates an understanding of content and disciplinary concepts related to human anatomy and physiology, kinesiology, exercise physiology and nutrition.
- is able to demonstrate leadership and service.
- is able to demonstrate collegiality in communicating to peers, clients and supervisors both verbally and through the use of technology.
- is able to demonstrate knowledge, attitudes, behaviors, and skills necessary to work respectfully and effectively with diverse populations and in a diverse work environment.
- is able to critically examine the body of knowledge as well as promote research and scholarship in exercise science.
- is able to demonstrate professional behavior.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 2224</td>
<td>Human Anatomy and Lab</td>
<td>**</td>
</tr>
<tr>
<td>BIOL 2234</td>
<td>Human Physiology and Lab</td>
<td>**</td>
</tr>
<tr>
<td>KNES 4693</td>
<td>Biomechanics and Kinesiology</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1124</td>
<td>General Chemistry I and Lab</td>
<td>4</td>
</tr>
<tr>
<td>CSNE 1113</td>
<td>Integrated Software Applications</td>
<td>**</td>
</tr>
<tr>
<td>KNES 3613</td>
<td>Exercise Physiology</td>
<td>**</td>
</tr>
</tbody>
</table>
KNES 2621 Technology & Professional Applications in Physical Education 1
KNES 1522 Care and Prevention of Athletic Injuries and Lab 2
KNES 1613 First Aid/CPR and Safety and Lab 3
KNES 2613 Personal and Community Health 3
KNES 4523 Motor Learning 3
NURS 2323 Nutrition 3
PEG 1011 Cardio Fit 1
PEG 1031 Water Aerobics I 1
KNES 1511 Teaching and Performance of Weight Training **
KNES 2621 Fitness Assessment and Technology 1
PSY 1113 General Psychology **
KNES 4533 Research Measurement and Evaluation 3

Choose one of the following
MATH 1513 College Algebra **
PHYS 1114 General Physics I (Trigonometry recommended) **

Additional Requirements
KNES 1713 Foundations of Kinesiology and Sport Management 3
KNES 2511 Motor and Sports Skills I 1
KNES 2521 Motor and Sports Skills II 1
KNES 2551 Motor and Sports Skills III 1
KNES 2561 Motor and Sports Skills IV 1
KNES 2653 Introduction to Health Psychology 3
KNES 3723 Sport Marketing and Promotions 3
KNES 4713 Organization, Leadership, and Management of Kinesiology & Sport Management 3
KNES 4723 Sport Facilities Management 3
KNES 4766 Internship I 6

Exercise Science Major Credit Hours 53

KINESIOLOGY MAJOR (PRE-PT/PRE-OT)
The objective of this program is to fulfill the prerequisites required for admission to a professional program offering entry level master’s or doctorate degrees in physical therapy, occupational therapy, physician assistant, or other allied medical professions. Credit for General Education courses may be attained via CLEP, but cannot be waived or substituted. Each student is responsible for obtaining specific prerequisite information about the particular professional program(s) to which they seek admission. A tailored undergraduate program can then be designed to meet those requirements. Refer to departmental Program Planning Form, UNIVISOR, and/or Suggested Four-year Course Schedule for detailed graduation requirements. An A.A. degree is also offered through the Department of Kinesiology.

Upon completion of the major, the student:
- demonstrates an understanding of content and disciplinary concepts of biology, chemistry, physics, kinesiology, exercise physiology, health and orthopedic assessment.
- is able to work utilizing a teamed approach to effect a positive patient outcome.
- is able to demonstrate leadership and service.
- is able to demonstrate knowledge, attitudes, behaviors, and skills necessary to work respectfully and effectively with diverse populations and in a diverse work environment.
- is able to critically examine the body of knowledge as well as promote research and scholarship in kinesiology.
- is able to demonstrate professional behavior.

The following courses are the prerequisites offered at SNU for the University of Oklahoma Health Sciences Center (OUHSC) program in Oklahoma City, OK.
<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 1113</td>
<td>General Psychology</td>
<td>**</td>
</tr>
<tr>
<td>PHYS 1114</td>
<td>General Physics I and Lab</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 1314</td>
<td>Cells &amp; Systems and Lab</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1124</td>
<td>General Chemistry I and Lab</td>
<td>**</td>
</tr>
<tr>
<td>MATH 1513</td>
<td>College Algebra</td>
<td>**</td>
</tr>
<tr>
<td>KNES 1511</td>
<td>Teaching and Performance of Weight Training</td>
<td>**</td>
</tr>
<tr>
<td>KNES 1624</td>
<td>Lower Extremity Injury Rec./Eval. of the Phys. Active &amp; Lab</td>
<td>4</td>
</tr>
<tr>
<td>KNES 1713</td>
<td>Foundations of Kinesiology and Sport Management</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 2224</td>
<td>Human Anatomy and Lab</td>
<td>**</td>
</tr>
<tr>
<td>BIOL 2234</td>
<td>Human Physiology and Lab</td>
<td>4</td>
</tr>
<tr>
<td>KNES 2664</td>
<td>Upper Extremity Injury Rec./Eval. of the Phys. Active &amp; Lab</td>
<td>4</td>
</tr>
<tr>
<td>PSY 3133</td>
<td>Human Development</td>
<td>3</td>
</tr>
<tr>
<td>STAT 3143</td>
<td>Statistical Methods</td>
<td>3</td>
</tr>
<tr>
<td>KNES 3613</td>
<td>Exercise Physiology</td>
<td>**</td>
</tr>
<tr>
<td>KNES 3624</td>
<td>Therapeutic Modalities and Lab</td>
<td>4</td>
</tr>
<tr>
<td>KNES 4634</td>
<td>Therapeutic Physical Rehabilitation and Lab</td>
<td>4</td>
</tr>
<tr>
<td>KNES 4693</td>
<td>Biomechanics and Kinesiology</td>
<td>3</td>
</tr>
<tr>
<td>KNES 4766</td>
<td>Internship I (270 clock hours required)</td>
<td>6</td>
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</tbody>
</table>

**Electives**

- Natural Science (biology, physics, or zoology course) 4
- Foreign language proficiency ^ 6

**Kinesiology Major Credit Hours** 53

**ADDITIONAL PT or OT REQUIREMENTS** (subject to change according to OUHSC prerequisites)

**Pre-physical Therapy (PT)**

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 1214</td>
<td>General Physics II and Lab</td>
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</tbody>
</table>

**Pre-PT Program Credit Hours** 57

**Pre-occupational Therapy (OT)**

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 4153</td>
<td>Psychology of Personality</td>
<td>3</td>
</tr>
<tr>
<td>Natural Science (biology, physics or zoology course)</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

**Pre-OT Program Credit Hours** 60

**PHYSICAL EDUCATION - HEALTH, AND SAFETY: P-12 MAJOR**

The objective of this program is to enable the student to acquire an essential knowledge base, skills, and a philosophical foundation for how to make successful, professional decisions that are required for teachers/coaches in public and private schools. Courses required for this major are congruent with Oklahoma state competencies and the National Association for Sport and Physical Education professional recommendations. Refer to the kinesiology departmental Program Planning Form, UNIVISOR, and/or the Suggested Four-year Course Schedule for detailed graduation requirements.

Upon completion of the major, the following objectives will be met.

- Scientific and Theoretical Knowledge - Physical education teacher candidates know and apply discipline-specific scientific and theoretical concepts critical to the development of a physically educated person.
- Skill and Fitness Based Competence - Physical education teacher candidates are physically educated individuals with the knowledge and skills necessary to demonstrate competent movement
performance and health enhancing fitness as delineated in the NASPE P-12 (Pre-Kindergarten through 12th grade) Standards.

- Planning and Implementation - Physical education teacher candidates plan and implement developmentally appropriate learning experiences aligned with local, state, and national standards to address the diverse needs of all students.
- Instructional Delivery and Management—Physical Education teacher candidates use effective communication and pedagogical skills and strategies to enhance student engagement and learning.
- Impact on Student Learning—Physical education teacher candidates utilize assessments and reflection to foster student learning and inform instructional decisions.
- Professionalism—Physical education teacher candidates demonstrate dispositions essential to becoming effective professionals.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>KNES 1613</td>
<td>First Aid/CPR and Safety and Lab</td>
<td>3</td>
</tr>
<tr>
<td>KNES 1713</td>
<td>Foundations of Kinesiology and Sport Management</td>
<td>3</td>
</tr>
<tr>
<td>KNES 2511</td>
<td>Motor and Sports Skills I</td>
<td>1</td>
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<tr>
<td>KNES 2521</td>
<td>Motor and Sports Skills II</td>
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<tr>
<td>KNES 2551</td>
<td>Motor and Sports Skills III</td>
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</tr>
<tr>
<td>KNES 2561</td>
<td>Motor and Sports Skills IV</td>
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</tr>
<tr>
<td>KNES 2571</td>
<td>Motor and Sports Skills V</td>
<td>1</td>
</tr>
<tr>
<td>KNES 2541</td>
<td>Practicum/Clinical Experience</td>
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</tr>
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<td>KNES 2613</td>
<td>Personal and Community Health</td>
<td>3</td>
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<tr>
<td>KNES 2621</td>
<td>Fitness Assessment and Technology</td>
<td>1</td>
</tr>
<tr>
<td>KNES 3523</td>
<td>School Health/Safety Curriculum: P-12</td>
<td>3</td>
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<tr>
<td>KNES 3533</td>
<td>Methods in Elementary Physical Education</td>
<td>3</td>
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<tr>
<td>KNES 3543</td>
<td>Methods in Secondary Physical Education</td>
<td>3</td>
</tr>
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<td>KNES 3613</td>
<td>Exercise Physiology</td>
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<tr>
<td>KNES 4513</td>
<td>Adapted/Inclusive Physical Education</td>
<td>3</td>
</tr>
<tr>
<td>KNES 4523</td>
<td>Motor Learning</td>
<td>3</td>
</tr>
<tr>
<td>KNES 4533</td>
<td>Research Measurement and Evaluation</td>
<td>3</td>
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<tr>
<td>KNES 4713</td>
<td>Organization, Leadership, and Management of Kinesiology &amp; Sport Management</td>
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<tr>
<td>KNES 4741</td>
<td>Senior Seminar for Physical Education</td>
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<td>Choose one of the following</td>
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<td>KNES 2623</td>
<td>Structural Kinesiology</td>
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<td>KNES 4693</td>
<td>Biomechanics and Kinesiology</td>
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<tr>
<td>Education Courses</td>
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<tr>
<td>ED 2111</td>
<td>Introduction to Education and Teaching Lab</td>
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<tr>
<td>ED 2142</td>
<td>Educational Technology</td>
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<tr>
<td>ED 2162</td>
<td>Foundations of Education</td>
<td>2</td>
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<tr>
<td>ED 2173</td>
<td>Psychology of Children and Youth</td>
<td>3</td>
</tr>
<tr>
<td>ED 4141</td>
<td>Survey of the Exceptional Child</td>
<td>**</td>
</tr>
<tr>
<td>ED 4273</td>
<td>Professional Decision Making</td>
<td>3</td>
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<tr>
<td>ED 4700</td>
<td>Student Teaching Seminar</td>
<td>0</td>
</tr>
<tr>
<td>ED 4805</td>
<td>Student Teaching: Elementary</td>
<td>5</td>
</tr>
<tr>
<td>ED 4815</td>
<td>Student Teaching: Secondary; 7-12</td>
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</tr>
<tr>
<td>Physical Education (P-12) Major Credit Hours</td>
<td></td>
<td>60</td>
</tr>
<tr>
<td>Recommended Additional Coaching Courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>KNES 1511</td>
<td>Teaching and Performance of Weight Training</td>
<td>1</td>
</tr>
</tbody>
</table>
PHYSICAL EDUCATION - SPORTS AND LEISURE MAJOR

The objective of this program is to enable students to acquire an essential knowledge base, skills and philosophical foundation for successful professional decision making required for coaching in educational and recreational organizations. Refer to kinesiology departmental Program Planning Form, UNIVISOR, and/or Suggested Four-Year Course Schedule for detailed graduation requirements.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>KNES 1613</td>
<td>First Aid/CPR and Safety and Lab</td>
<td>3</td>
</tr>
<tr>
<td>KNES 1713</td>
<td>Foundations of Kinesiology and Sport Management</td>
<td>3</td>
</tr>
<tr>
<td>KNES 2511</td>
<td>Motor and Sports Skills I</td>
<td>1</td>
</tr>
<tr>
<td>KNES 2521</td>
<td>Motor and Sports Skills II</td>
<td>1</td>
</tr>
<tr>
<td>KNES 2551</td>
<td>Motor and Sports Skills III</td>
<td>1</td>
</tr>
<tr>
<td>KNES 2561</td>
<td>Motor and Sports Skills IV</td>
<td>1</td>
</tr>
<tr>
<td>KNES 2571</td>
<td>Motor and Sports Skills V</td>
<td>1</td>
</tr>
<tr>
<td>KNES 2541</td>
<td>Practicum/Clinical Experience</td>
<td>1</td>
</tr>
<tr>
<td>KNES 2613</td>
<td>Personal and Community Health</td>
<td>3</td>
</tr>
<tr>
<td>KNES 2621</td>
<td>Fitness Assessment and Technology</td>
<td>1</td>
</tr>
<tr>
<td>KNES 3523</td>
<td>School Health/Safety Curriculum: P-12</td>
<td>3</td>
</tr>
<tr>
<td>KNES 3533</td>
<td>Methods in Elementary Physical Education</td>
<td>3</td>
</tr>
<tr>
<td>KNES 3543</td>
<td>Methods in Secondary Physical Education</td>
<td>3</td>
</tr>
<tr>
<td>KNES 3613</td>
<td>Exercise Physiology **</td>
<td></td>
</tr>
<tr>
<td>KNES 4513</td>
<td>Adapted/Inclusive Physical Education</td>
<td>3</td>
</tr>
<tr>
<td>KNES 4523</td>
<td>Motor Learning</td>
<td>3</td>
</tr>
<tr>
<td>KNES 4533</td>
<td>Research Measurement and Evaluation</td>
<td>3</td>
</tr>
<tr>
<td>KNES 4713</td>
<td>Organization, Leadership, and Management of Kinesiology &amp; Sport Management</td>
<td>3</td>
</tr>
<tr>
<td>KNES 4741</td>
<td>Senior Seminar for Physical Education</td>
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</table>

Choose one of the following

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>KNES 2623</td>
<td>Structural Kinesiology</td>
<td>3</td>
</tr>
<tr>
<td>KNES 4693</td>
<td>Biomechanics and Kinesiology</td>
<td>3</td>
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</tbody>
</table>

Athletic Coaching Core Courses

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>KNES 1511</td>
<td>Teaching and Performance of Weight Training</td>
<td>1</td>
</tr>
<tr>
<td>KNES 1522</td>
<td>Care and Prevention of Athletic Injuries and Lab</td>
<td>2</td>
</tr>
<tr>
<td>KNES 2531</td>
<td>Officiating</td>
<td>1</td>
</tr>
<tr>
<td>KNES 3512</td>
<td>Coaching</td>
<td>2</td>
</tr>
<tr>
<td>KNES 4766</td>
<td>Internship I</td>
<td>6</td>
</tr>
</tbody>
</table>

Physical Education - Sports and Leisure Major Credit Hours 51

Multidisciplinary Majors

SPORT INFORMATION

The objective of this program is to prepare students for careers in sports journalism, sports broadcasting, and/or as a sports information director at colleges/universities, conference offices, or
sports governing bodies. This major involves three components:

1. sport management core courses
2. sport information core courses; and
3. selected electives of concentration in which students pursue professional interests. Refer to the departmental Program Planning Form, UNIVISOR, and/or Suggested Four-Year Course Schedule for detailed graduation requirements.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>KNES 1713</td>
<td>Foundations of Kinesiology and Sport Management</td>
<td>3</td>
</tr>
<tr>
<td>KNES 3713</td>
<td>Sociology of Sports</td>
<td>3</td>
</tr>
<tr>
<td>KNES 3723</td>
<td>Sport Marketing and Promotions</td>
<td>3</td>
</tr>
<tr>
<td>KNES 3734</td>
<td>Practicum</td>
<td>4</td>
</tr>
<tr>
<td>KNES 4713</td>
<td>Organization, Leadership, and Management of Kinesiology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>&amp; Sport Management</td>
<td></td>
</tr>
<tr>
<td>KNES 4723</td>
<td>Sport Facility Management</td>
<td>3</td>
</tr>
<tr>
<td>KNES 4766</td>
<td>Internship I</td>
<td>6</td>
</tr>
<tr>
<td>KNES 3733</td>
<td>Sport Law</td>
<td>3</td>
</tr>
<tr>
<td>KNES 3753</td>
<td>Sport Governance and Policy</td>
<td>3</td>
</tr>
</tbody>
</table>

Sport Information Core Courses

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCOM 2313</td>
<td>Newswriting</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 2353</td>
<td>Interviewing Techniques</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 2361</td>
<td>Newspaper Practicum</td>
<td>1</td>
</tr>
<tr>
<td>MCOM 2381</td>
<td>Broadcast Practicum</td>
<td>1</td>
</tr>
<tr>
<td>MCOM 2393</td>
<td>Video Production</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 2513</td>
<td>Studio Recording I</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 3143</td>
<td>Technical Communication</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 3353</td>
<td>Advanced Video Production</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 3313</td>
<td>Magazine Writing</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 3383</td>
<td>Publication Design and Production</td>
<td>3</td>
</tr>
<tr>
<td>MCOM XXX#</td>
<td>Elective</td>
<td>3</td>
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<tr>
<td>MCOM XXX1</td>
<td>Elective Practicum</td>
<td>1</td>
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</tbody>
</table>

Sport Information Major Credit Hours  

61

SPORT MANAGEMENT

The objective of this program is to prepare students with a strong business component that will provide opportunities for students to develop skills applicable to management level positions in organized sport. Examples of such positions are public relations director, corporate administrator of sporting events, tournament director, college/university athletic director or associate/assistant athletic director, business manager, fund raising administrator, account executives for professional teams, sales representatives for sporting goods companies, and marketing directors in intercollegiate athletic programs, conference offices, or governing bodies. This major involves two components: 1) sport management core courses; and 2) business core courses. Refer to the kinesiology departmental Program Planning Form, UNIVISOR, and/or Suggested Four-Year Course Schedule for detailed graduation requirements.

Upon completion of the major, the student-

• demonstrates an understanding of content and disciplinary concepts related to sport law, personnel management, organizational structure and sport marketing.
• is able to demonstrate leadership and service.
• is able to demonstrate collegiality in communicating to peers, clients and supervisors both verbally and through the use of technology.

• is able to demonstrate knowledge, attitudes, behaviors, and skills necessary to work respectfully and effectively with diverse populations and in a diverse work environment.

• is able to critically examine the body of knowledge as well as promote research and scholarship in sport management.

• is able to demonstrate professional behavior.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sport Management Core Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>KNES 1713</td>
<td>Foundations of Kinesiology and Sport Management</td>
<td>3</td>
</tr>
<tr>
<td>KNES 3713</td>
<td>Sociology of Sports</td>
<td>3</td>
</tr>
<tr>
<td>KNES 3723</td>
<td>Sport Marketing and Promotions</td>
<td>3</td>
</tr>
<tr>
<td>KNES 3734</td>
<td>Practicum</td>
<td>4</td>
</tr>
<tr>
<td>KNES 4713</td>
<td>Organization, Leadership, and Management of Kinesiology &amp; Sport Management</td>
<td>3</td>
</tr>
<tr>
<td>KNES 4723</td>
<td>Sport Facilities Management</td>
<td>3</td>
</tr>
<tr>
<td>KNES 4766</td>
<td>Internship I</td>
<td>6</td>
</tr>
<tr>
<td>KNES 3733</td>
<td>Sport Law</td>
<td>3</td>
</tr>
<tr>
<td>KNES 3753</td>
<td>Sport Governance and Policy</td>
<td>3</td>
</tr>
<tr>
<td><strong>Business Core Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BADM 1113</td>
<td>Ethics and Business Principles</td>
<td>3</td>
</tr>
<tr>
<td>ACC 2113</td>
<td>Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACC 2123 or 3163</td>
<td>Principles of Accounting II or Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>FIN 3103</td>
<td>Business Finance</td>
<td>3</td>
</tr>
<tr>
<td>MGT 2113</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>MKT 2113</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BADM 3113</td>
<td>Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>MGT 3133</td>
<td>Small Business Management</td>
<td>3</td>
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<tr>
<td><strong>Business Electives</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Choose two three-credit courses in ACC, FIN, MGT, MKT, BADM</td>
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<tr>
<td><strong>Sport Management Major Credit Hours</strong></td>
<td>61</td>
<td></td>
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</table>

Departmental A.A. Degrees

**EXERCISE SCIENCE CONCENTRATION**

See requirements for A.A. Degrees.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>PEG 1002</td>
<td>Health and Wellness</td>
<td></td>
</tr>
<tr>
<td>PEG 1011</td>
<td>Cardio Fit</td>
<td>1</td>
</tr>
<tr>
<td>PEG 1031</td>
<td>Water Aerobics I</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 1113</td>
<td>Introduction to Biological Science</td>
<td></td>
</tr>
<tr>
<td>KNES 1511</td>
<td>Teaching and Performance of Weight Training</td>
<td></td>
</tr>
<tr>
<td>KNES 1522</td>
<td>Care and Prevention of Athletic Injuries and Lab</td>
<td>2</td>
</tr>
<tr>
<td>KNES 1613</td>
<td>First Aid/CPR and Safety and Lab</td>
<td>3</td>
</tr>
<tr>
<td>KNES 1713</td>
<td>Foundations of Kinesiology and Sport Management</td>
<td>3</td>
</tr>
<tr>
<td>KNES 2613</td>
<td>Personal and Community Health</td>
<td>3</td>
</tr>
<tr>
<td>KNES 2653</td>
<td>Introduction to Health Psychology</td>
<td>3</td>
</tr>
<tr>
<td>KNES 3613</td>
<td>Exercise Physiology</td>
<td>3</td>
</tr>
<tr>
<td>NURS 3103</td>
<td>Nutrition</td>
<td>3</td>
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</table>
COACHING CONCENTRATION

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>PEG activity electives</td>
<td>three one-credit courses required</td>
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</tr>
<tr>
<td>PEG 1002</td>
<td>Health and Wellness</td>
<td>2**</td>
</tr>
<tr>
<td>BIOL 1113</td>
<td>Introduction to Biological Science</td>
<td>3**</td>
</tr>
<tr>
<td>KNES 1511</td>
<td>Teaching and Performance of Weight Training</td>
<td>1**</td>
</tr>
<tr>
<td>KNES 1523</td>
<td>Care and Prevention of Athletic Injuries and Lab</td>
<td>3</td>
</tr>
<tr>
<td>KNES 1613</td>
<td>First Aid/CPR and Safety and Lab</td>
<td>3</td>
</tr>
<tr>
<td>KNES 1713</td>
<td>Foundations of Kinesiology and Sport Management</td>
<td>3</td>
</tr>
<tr>
<td>KNES 2511</td>
<td>Motor and Sports Skills I</td>
<td>1</td>
</tr>
<tr>
<td>KNES 2521</td>
<td>Motor and Sports Skills II</td>
<td>1</td>
</tr>
<tr>
<td>KNES 2551</td>
<td>Motor and Sports Skills III</td>
<td>1</td>
</tr>
<tr>
<td>KNES 2561</td>
<td>Motor and Sports Skills IV</td>
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</tr>
<tr>
<td>KNES 2531</td>
<td>Officiating</td>
<td>1</td>
</tr>
<tr>
<td>KNES 3512</td>
<td>Coaching</td>
<td>2</td>
</tr>
<tr>
<td>KNES 3543</td>
<td>Methods in Secondary Physical Education</td>
<td>3</td>
</tr>
<tr>
<td>KNES 4693</td>
<td>Biomechanics and Kinesiology</td>
<td>3</td>
</tr>
<tr>
<td>KNES 4713</td>
<td>Organization, Leadership, and Management of Kinesiology &amp; Sport Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Coaching Concentration Credit Hours for A.A. Degree: 28

* This concentration is designed to meet the requirements for state teacher certification.

* The state of Oklahoma currently requires that any coach in the public schools must have a course in Care and Prevention of Athletic Injuries and Lab.

Departmental Minor
COACHING MINOR

A 22-credit minor in athletic coaching is offered through the Department of Kinesiology. The required courses are as follows:

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEG 1002</td>
<td>Health and Wellness</td>
<td>2**</td>
</tr>
<tr>
<td>KNES 1511</td>
<td>Teaching and Performance of Weight Training</td>
<td>1**</td>
</tr>
<tr>
<td>KNES 1522</td>
<td>Care and Prevention of Athletic Injuries and Lab</td>
<td>3</td>
</tr>
<tr>
<td>KNES 1613</td>
<td>First Aid/CPR and Safety and Lab</td>
<td>3</td>
</tr>
<tr>
<td>KNES 1713</td>
<td>Foundations of Kinesiology and Sport Management</td>
<td>3</td>
</tr>
<tr>
<td>KNES 2511</td>
<td>Motor and Sports Skills I</td>
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</tr>
<tr>
<td>KNES 2521</td>
<td>Motor and Sports Skills II</td>
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<tr>
<td>KNES 2551</td>
<td>Motor and Sports Skills III</td>
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<td>KNES 2561</td>
<td>Motor and Sports Skills IV</td>
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<tr>
<td>KNES 2531</td>
<td>Officiating</td>
<td>1</td>
</tr>
<tr>
<td>KNES 3512</td>
<td>Coaching</td>
<td>2</td>
</tr>
<tr>
<td>KNES 4713</td>
<td>Organization, Leadership, and Management of Kinesiology</td>
<td>3</td>
</tr>
</tbody>
</table>

Coaching Minor Credit Hours: 22

Notes for all programs:

** Credit hours are counted for General Education requirements.

^ Foreign language proficiency is equal to two high school years or two college courses with a grade of "B" or higher; both years/courses must be same language.
COLLEGE OF HUMANITIES

Melany Kyzer, J.D., Professor/Dean College of Humanities (Fall 2001)
B.S., Bethany Nazarene College
M.A., Southern Nazarene University
J.D., Oklahoma City University

DIVISION OF CULTURAL AND COMMUNICATION STUDIES

Department of Art & Design
Department of English
Department of Modern Languages
Department of Speech Communication

CULTURAL AND COMMUNICATION STUDIES DISCIPLINARY MAJOR
A 45-credit hour major with courses selected from the departments of the Division is known as a communication and cultural studies disciplinary major. Courses for this program must be approved by the academic advisor and department chair or Dean of the College of Humanities.

CULTURAL AND COMMUNICATION STUDIES DISCIPLINARY A.A. DEGREE
Students enrolling in an A.A. degree program must fulfill the regular requirements for admission to SNU. To complete this degree, the student must complete 62 credit hours of college work and maintain a cumulative GPA of 2.00. Thirty credit hours must be completed in residence and a minimum of 15 residence credit hours must be completed at the sophomore level or above. No more than nine upper-division credit hours count toward the residence requirement. If the student later wishes to pursue a baccalaureate program, the courses completed as part of the A.A. may apply toward the bachelor's degree.

Course Number | Course Title | Credit Hours
--- | --- | ---
C W 2313 | Newswriting | 3
C W 2813 | Genre Writing | 3
C W 2833 | Introduction to Poetry and Poetics | 3
C W 3313 | Magazine Writing | 3
MCOM 1XXX or 2XXX | MCOM electives from 1000-2000 level courses | 9

Cognate Area Electives
1000-2000 level courses in literature, PHIL, modern languages, PSY or SOC | 8

Cultural and Communication Studies A.A. Degree Credit Hours | 32

DEPARTMENT OF ART & DESIGN

Departmental Objectives
The objectives of the Department of Art & Design are as follows:

- Students will understand and demonstrate the design process from start to finish.
- Students can visually and verbally articulate chosen concept and final design solution in a classroom and professional setting.
- Student will exhibit graphic design projects with a professional level of presentation and craft skills.
- Students can critique or evaluate design skills and design solutions, individually and in peer situations.
Students understand and demonstrate proficiency in Adobe Creative Suite software applications.

- Students will participate in the local art and design community.
- Students will have a working knowledge of the history and contemporary trends of graphic design.

**Departmental Full-time Faculty**

**Whitney Porch– Van Heuvelen, M.F.A., Assistant Professor** (Fall 2007)

- B.F.A., University of Oklahoma
- M.F.A., University of Notre Dame

**Departmental Major**

**GRAPHIC DESIGN MAJOR**

A major in Graphic Design consists of a combination of 49 credit hours of art and graphic design courses.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GDSG 1311</td>
<td>Introduction to Cultural and Communication Studies</td>
<td>1</td>
</tr>
<tr>
<td>ART 1113</td>
<td>Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>ART 1213</td>
<td>Design I</td>
<td>3</td>
</tr>
<tr>
<td>ART 1223</td>
<td>Design II</td>
<td>3</td>
</tr>
<tr>
<td>ART 2013</td>
<td>History of Art and Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 2113</td>
<td>Color Visual Language</td>
<td>3</td>
</tr>
<tr>
<td>ART 2413</td>
<td>Vector and Raster Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>ART 2423</td>
<td>Vector and Raster Fundamentals II</td>
<td>3</td>
</tr>
<tr>
<td>GDSG 2433</td>
<td>Typography</td>
<td>3</td>
</tr>
<tr>
<td>GDSG 3413</td>
<td>Corporate Identity</td>
<td>3</td>
</tr>
<tr>
<td>GDSG 3433</td>
<td>Digital Imaging</td>
<td>3</td>
</tr>
<tr>
<td>GDSG 4413</td>
<td>Information Design</td>
<td>3</td>
</tr>
<tr>
<td>GDSG 4433</td>
<td>Professional Practice</td>
<td>3</td>
</tr>
<tr>
<td>GDSG 2113</td>
<td>Introduction to Web Design</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 4203</td>
<td>Writing for Digital Media</td>
<td>3</td>
</tr>
<tr>
<td>GDSG 4371</td>
<td>Cultural and Communication Studies Colloquium</td>
<td>1</td>
</tr>
<tr>
<td>ART/GDSG</td>
<td>Art/Graphic Design Electives</td>
<td>5</td>
</tr>
</tbody>
</table>

**Graphic Design Major Credit Hours** 49

**Departmental Minor**

**ART MINOR**

An 18-credit minor in art is offered through the Department of Art & Design.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 1113</td>
<td>Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>ART 1213</td>
<td>Design I</td>
<td>3</td>
</tr>
<tr>
<td>ART 1223</td>
<td>Design II</td>
<td>3</td>
</tr>
<tr>
<td>ART 2113</td>
<td>Color Visual Language</td>
<td>3</td>
</tr>
<tr>
<td>ART 2XXX</td>
<td>Art electives (must be above 1000-level)</td>
<td>6</td>
</tr>
</tbody>
</table>

**Art Minor Credit Hours** 18
DEPARTMENT OF ENGLISH

Departmental Objectives
Courses in the Department of English are designed to

- assist students in the development of competencies that will enable them to produce both academic and technical writing in their university career as well as competent communication in their professional future;
- provide venues to encourage the creation of imaginative literature;
- foster the ability to read, analyze critically, and produce literature in a variety of media, including print, digital and visual texts;
- introduce and reinforce a foundational understanding of theory and its importance in analyzing and interpreting literature and other cultural texts;
- encourage students to understand different kinds of cultural texts in a variety of verbal and visual formats.

Departmental General Education Objectives
Courses in the General Education English sequence are designed to

- offer venues for students at all levels of preparation for the development of competencies that will enable them to produce academic writing in their university career;
- foster the ability to read and critically analyze literature in a variety of media, including print, digital and visual texts;
- encourage students to think with clarity about different kinds of cultural texts in a variety of verbal and visual formats.

As a part of the General Education requirements, all students must demonstrate competency in English by successful completion of the following course sequence:

ENGL 1113 Composition I
ENGL 1213 or 2213 Composition II or Research and Argumentative Writing

Initial course placement is based on a student's incoming English ACT score, so some students may require preparatory work prior to placement in the above sequence. The student is required to pass each course before enrolling in a subsequent course. Advanced standing credit (AP or CLEP) may be used to fulfill these requirements but must be completed before subsequent course work is taken.

Note: For international students with limited English proficiency or who score below 550 on the TOEFL or below 6 on the IELTS, completion of ASEC program including recommendation of ASEC director or English Language and Culture I (ENGL 0024) required to enter the above sequence of courses enrolling in Composition I (ENGL 1113) and Writing Workshop I (ENGL 0131) concurrently.

Sections of Composition I (ENGL 1113) are limited to students scoring at least 15 on the English portion of the ACT (or the equivalent score on the SAT) or students who have successfully completed Modern English Usage (ENGL 0103). Concurrent enrollment in Writing Workshop I (ENGL 0131) is required for Composition I and II students scoring 18 or lower on the English portion of the ACT. Modern English Usage (ENGL 0103) is required for students scoring 0-14 on the English portion of the ACT.

Students who score 25 or above on the English portion of the ACT should be enrolled directly in Composition II (ENGL 1213) or Academic Writing: Research and Argument (ENGL 2213) instead of Composition I.
Departmental Full-time Faculty

Pamela Bracken, Professor  (Fall 1994)
   B.A., Bethany Nazarene College
   M.A., Southern Nazarene University
   Ph.D., Catholic University of America

Gwen Ladd Hackler, Professor/Director, Academic Grants  (Fall 1983)
   B.A., Bethany Nazarene College
   M.A., University of Kansas
   Ph.D., University of Kansas

Margaret (Peggy) Poteet, Professor/Division of Cultural and Communication Studies Chair (1973-1978; Fall 1988)
   B.A., Northwest Nazarene College
   M.A., California State College at Los Angeles
   Ph.D., University of Oklahoma

James Galen Wilcox, Associate Professor  (Fall 1979)
   B.A., Northwest Nazarene College
   Graduate Study, Nazarene Theological Seminary
   M.A., University of Missouri-Kansas City
   Graduate Study, Central State University
   Graduate Study, University of Oklahoma

Gina Weaver Yount, Associate Professor/Director, Honors Program  (Fall 2006)
   B.A., Southern Nazarene University
   M.A., Rice University
   Ph.D., Rice University

Departmental Majors

ENGLISH MAJOR

Two options are available when pursuing a major in English. The first option is a 60-credit hour program including an 18-credit hour minor, recommended for those interested in law school or graduate school. The second set of options requires the student to develop a focused concentration in one of three areas: Language and Culture, Literature, and Writing. These options are designed for those interested in graduate study, teaching, writing, or cross-cultural ministry careers. All options include the 36-credit hour English Core.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1311</td>
<td>Introduction to Cultural and Communication Studies</td>
<td>1</td>
</tr>
<tr>
<td>ENGL 2213</td>
<td>Academic Writing: Research and Argumentation</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2833</td>
<td>Introduction to Poetry and Poetics</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2933</td>
<td>Foundations for English Studies</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 3043</td>
<td>Survey of American Literature I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 3053</td>
<td>Survey of American Literature II</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 3163</td>
<td>Survey of British Literature I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 3173</td>
<td>Survey of British Literature II</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 3323</td>
<td>Survey of World Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 4103</td>
<td>English Grammar II</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 4203 or 3143</td>
<td>Writing for Digital Media or Technical Communication</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 4293</td>
<td>Contemporary Literary Theory</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 4901</td>
<td>Advanced Academic Writing</td>
<td>1</td>
</tr>
</tbody>
</table>
ENGLISH MAJOR - LANGUAGE AND CULTURE CONCENTRATION

This major is recommended for public school teachers, those preparing for graduate school in linguistics, or those interested in cross-cultural ministry.

<table>
<thead>
<tr>
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<th>Course Title</th>
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</thead>
<tbody>
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</tr>
<tr>
<td>ENGL 3043</td>
<td>Survey of American Literature I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 3053</td>
<td>Survey of American Literature II</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 3163</td>
<td>Survey of British Literature I</td>
<td>3</td>
</tr>
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<td>ENGL 3173</td>
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<td>Contemporary Literary Theory</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 4901</td>
<td>Advanced Academic Writing</td>
<td>1</td>
</tr>
<tr>
<td>ENGL 4931</td>
<td>Cultural and Communication Studies Colloquium</td>
<td>1</td>
</tr>
</tbody>
</table>

Other Required English Courses

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 2123</td>
<td>Teaching ESL I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 4283</td>
<td>The English Language: History and Linguistics</td>
<td>3</td>
</tr>
</tbody>
</table>

Multicultural Electives (choose 12 hours from the list below)

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MISS 2113</td>
<td>Introduction to Missions</td>
<td>3</td>
</tr>
<tr>
<td>MISS 4183</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>SP C 4233</td>
<td>Intercultural Communication</td>
<td>3</td>
</tr>
<tr>
<td>MGT 4173</td>
<td>International Management</td>
<td>3</td>
</tr>
<tr>
<td>TRAN 2153</td>
<td>Fundamentals of Translation</td>
<td>3</td>
</tr>
</tbody>
</table>

English Major - Language and Culture Concentration Credit Hours 54

ENGLISH MAJOR - LITERATURE CONCENTRATION

This major is recommended for those preparing for graduate school.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1311</td>
<td>Introduction to Cultural and Communication Studies</td>
<td>1</td>
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<td>ENGL 3053</td>
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<tr>
<td>ENGL 3163</td>
<td>Survey of British Literature I</td>
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<td>ENGL 3173</td>
<td>Survey of British Literature II</td>
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<tr>
<td>ENGL 3323</td>
<td>Survey of World Literature</td>
<td>3</td>
</tr>
</tbody>
</table>
ENGL 4103 English Grammar II 3
ENGL 4203 or 3143 Writing for Digital Media or Technical Communication 3
ENGL 4293 Contemporary Literary Theory 3
ENGL 4901 Advanced Academic Writing 1
ENGL 4931 Cultural and Communication Studies Colloquium 1

Other Required English Courses
ENGL 3223 Mythology 3
ENGL 4113 Shakespeare 3
ENGL 4001-2 Senior Thesis 1-2

Electives
One literary genre course 3
Electives in literature 10-11

English Major - Literature Concentration Credit Hours 56-58

ENGLISH MAJOR - WRITING CONCENTRATION

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1311</td>
<td>Introduction to Cultural and Communication Studies</td>
<td>1</td>
</tr>
<tr>
<td>ENGL 2213</td>
<td>Academic Writing: Research and Argumentation</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2833</td>
<td>Introduction to Poetry and Poetics</td>
<td>3</td>
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<tr>
<td>ENGL 2933</td>
<td>Foundations for English Studies</td>
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<td>Survey of American Literature II</td>
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</tr>
<tr>
<td>ENGL 4931</td>
<td>Cultural and Communication Studies Colloquium</td>
<td>1</td>
</tr>
</tbody>
</table>

Other Required Courses
ENGL 2313 Newswriting 3
ENGL 2813 Introduction to Genre Writing 3
ENGL or MCOM Choose courses to total nine credit hours 9

English Elective (choose one elective from the following)
ENGL 3153 Grant Writing 3
ENGL 3313 Magazine Writing 3
ENGL 4833 Roundtable 3
ENGL 4381-3 Internship 1-3

English Major - Writing Concentration Credit Hours 54

ENGLISH EDUCATION (6-12) MAJOR

Programs are available to prepare students for secondary teacher licenses/certificates in English. Standard certification requirements for English appear in the Teacher Education Handbook available in the School of Education. Courses required for English teacher certification are listed on the School of Education degree checklist found on the SNU Web site at http://snu.edu/education-checklists.

MASS COMMUNICATION MAJOR
See Department of Speech Communication

**Departmental Minors**

**ENGLISH MINOR**
Eighteen credit hours in courses above the freshman level (1000), including at least three upper-division courses (3000-4000). Courses must be selected in consultation with the Cultural and Communication Studies division chair.

**TEACHING ENGLISH AS A SECOND LANGUAGE MINOR**

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 2123</td>
<td>Teaching English as a Second Language I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2213</td>
<td>Academic Writing: Research and Argumentation</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 4103</td>
<td>English Grammar II</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 4283</td>
<td>The English Language: History and Linguistics</td>
<td>3</td>
</tr>
</tbody>
</table>

**Elective Courses**
Choose one three-credit hour literature course with multicultural emphasis and one course listed below

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MISS 2133</td>
<td>Introduction to Missions</td>
<td>3</td>
</tr>
<tr>
<td>SP C 4233</td>
<td>Intercultural Communication</td>
<td>3</td>
</tr>
<tr>
<td>MGT 4173</td>
<td>International Management</td>
<td>3</td>
</tr>
<tr>
<td>MISS 4183</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
</tbody>
</table>

**TESL Minor Credit Hours**

18

**CREATIVE WRITING MINOR**
Eighteen credit hours in creative writing including Introduction to Genre Writing (C W/ENGL 2813) are required. Courses must be selected in consultation with the chair of the Division of Cultural and Communication Studies.

**MASS COMMUNICATION MINOR**
See Department of Speech Communication.

**English as a Foreign Language Programs (EFL)**
Two English as a Foreign Language programs are offered to non-native English speakers through the Center for Applied Studies in English (ASEC). Based on initial proficiency testing, an incoming international, non-native English speaking student is assigned to begin English study at a specific ASEC level then proceeds through the higher levels at a self-determined pace. The student must complete through the ASEC Level 5 (basic English proficiency is determined by external benchmarks) in order to receive credit toward completion of an EFL program. The student may earn up to six credit hours for each ASEC level completed. Courses associated with each ASEC Level are as listed below, and the student would opt for no more than six credit hours per level (excluding Level 0).

**Level 0**
EFL 1013 Foundations of Vocabulary/Reading in EFL
EFL 1023 Foundations of Composition/Grammer in EFL

**Level 1**
EFL 1113 Beginning Vocabulary/Reading in EFL
EFL 1123 Beginning Composition/Grammar in EFL

**Level 2**
EFL 1213 Lower Intermediate Vocabulary/Reading in EFL
ENGLISH AS A FOREIGN LANGUAGE MINOR
A minor in English as a Foreign Language would consist of 18 credit hours of ASEC courses at Level 1 or above plus six credit hours from the following courses.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1311</td>
<td>Intro to Cultural and Communication Studies</td>
<td>1</td>
</tr>
<tr>
<td>ENGL 2103</td>
<td>English Grammar I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2213</td>
<td>Academic Writing, Research, and Argumentation</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 3143</td>
<td>Technical Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 4103</td>
<td>English Grammar II</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 4283</td>
<td>The English Language: History and Linguistics</td>
<td>3</td>
</tr>
<tr>
<td>SP C 4233</td>
<td>Intercultural Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

ENGLISH AS A FOREIGN LANGUAGE ASSOCIATE’S DEGREE
Students enrolling in an A.A. degree program must fulfill the regular requirements for admission to SNU. To complete this degree, the student must complete 62 credit hours of college work and maintain a cumulative GPA of 2.00. Thirty credit hours must be completed in residence and a minimum of 15 residence credit hours must be completed at the sophomore level or above. No more than nine credit hours of upper-division credit hours count toward the residence requirement. If the student later wishes to pursue a baccalaureate program, the courses completed as part of the A.A. may apply toward the bachelor’s degree.

The associate’s degree in English as a Foreign Language requires completion of 18 credit hours at Level 2 or above.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1113</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1213</td>
<td>Composition II</td>
<td>3</td>
</tr>
<tr>
<td>SP C 1133</td>
<td>Introduction to Speech Communication</td>
<td>3</td>
</tr>
<tr>
<td>THEO 1513</td>
<td>Christian Faith &amp; Life</td>
<td>3</td>
</tr>
<tr>
<td>HP 1533</td>
<td>Modern World</td>
<td>3</td>
</tr>
<tr>
<td>N S XXXX</td>
<td>Any natural science course</td>
<td>3</td>
</tr>
<tr>
<td>HP XXXX</td>
<td>Any history or government course</td>
<td>3</td>
</tr>
<tr>
<td>MATH XXXX</td>
<td>Any mathematics course</td>
<td>3</td>
</tr>
<tr>
<td>Choose any electives to total six credit hours</td>
<td>6</td>
<td></td>
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</tbody>
</table>

EFL Courses (Level 2 or above)  18
Cultural and Communication Studies Courses
Choose courses from the list below to total 14 credit hours

<table>
<thead>
<tr>
<th>Course Number</th>
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</thead>
<tbody>
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</tr>
<tr>
<td>SP C 4233</td>
<td>Intercultural Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

English as a Foreign Language A.A. Degree Credit Hours 62

DEPARTMENT OF MODERN LANGUAGES

Departmental Objectives
The objectives of the Department of Modern Languages are designed:

- To provide the student with a working knowledge of a second language for communicating with other people of the world.
- To help the student recognize the many contributions which have been made by people of varied linguistic backgrounds to the culture of the United States and the world.
- To enable the student to interpret and enjoy the literature, art and music of other cultures.

Departmental Full-time Faculty
Frank Johnson, D.Min., Associate Professor (Fall 2005)
B.A., Oklahoma Baptist University
M.Div., Boston University
M.B.A., Boston University
D.Min, Southwestern Baptist Theological Seminary
American Translator Association Certification for Spanish into English Translation

Departmental Majors
INTERNATIONAL STUDIES MAJOR
See Department of History, Politics and Geography

SPANISH MAJOR
This program requires at least 34 credit hours with at least 30 credit hours completed beyond the elementary-level Spanish courses.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 1311</td>
<td>Introduction to Cultural and Communication Studies</td>
<td>1</td>
</tr>
<tr>
<td>SPAN 3533</td>
<td>Masterpieces of Spanish Literature</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4473</td>
<td>Intensive Spanish Composition and Conversation</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4592</td>
<td>Seminar</td>
<td>2</td>
</tr>
<tr>
<td>Choose one of the following</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGL 4283</td>
<td>The English Language: History and Linguistics</td>
<td>3</td>
</tr>
<tr>
<td>SP C 4233</td>
<td>Intercultural Communication</td>
<td>3</td>
</tr>
<tr>
<td>Electives *</td>
<td></td>
<td>21-27</td>
</tr>
</tbody>
</table>
Spanish Major Credit Hours 34-40

- The Latin American Studies Program semester in Costa Rica is strongly recommended.

SPANISH-ENGLISH TRANSLATION MAJOR

The B.A. in Spanish-English Translation prepares students for careers in translation, business, print and electronic media and other fields in which translation and bilingual writing skills are an asset. The translation major consists of 60 credit hours distributed among required courses in English, Speech Communication, Spanish and Translation Studies and electives in those fields. No minor is required.

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>ENGL 3143</td>
<td>Technical Communications</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 4103</td>
<td>English Grammar II</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 4283</td>
<td>The English Language: History and Linguistics</td>
<td>3</td>
</tr>
<tr>
<td>SP C 4233</td>
<td>Intercultural Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

English/Mass Communication Electives (choose two from the following courses)

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 2123</td>
<td>Teaching English as a Second Language I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2213</td>
<td>Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 3313</td>
<td>Magazine Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 4203</td>
<td>Writing for Digital Media</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 2313</td>
<td>Newswriting</td>
<td>3</td>
</tr>
</tbody>
</table>

Spanish Courses

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 1311</td>
<td>Introduction to Cultural and Communication Studies</td>
<td>1</td>
</tr>
<tr>
<td>SPAN 2133</td>
<td>Intermediate Spanish I</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 2143</td>
<td>Intermediate Spanish II</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 3423</td>
<td>Composition and Conversation</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 3453</td>
<td>Commercial Spanish</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4473</td>
<td>Intensive Composition and Conversation</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 3XX3/4XX3</td>
<td>Upper division SPAN elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Translation Studies Courses

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRAN 2153</td>
<td>Fundamentals of Translation</td>
<td>3</td>
</tr>
<tr>
<td>TRAN 3123</td>
<td>Spanish into English Translation</td>
<td>3</td>
</tr>
<tr>
<td>TRAN 3133</td>
<td>English into Spanish Translation</td>
<td>3</td>
</tr>
<tr>
<td>TRAN XXXX</td>
<td>Other TRAN courses</td>
<td>14</td>
</tr>
</tbody>
</table>

Spanish-English Translation Major Credit Hours 60

Departmental Minor and Certification

SPANISH MINOR

Eighteen credit hours including six of upper-division credit hours is required for a minor in Spanish.

BUSINESS SPANISH CERTIFICATION

The Certificate in Business Spanish offers students with a major or minor in Business Spanish or International Studies a means to demonstrate competency in Spanish and Spanish business styles at a level that would be functional in their career. Upon completion of the certificate requirements, the student would be a candidate to take one of the EXIGE exams, recognized as a measure of the candidate's linguistic competence in the business environment.

Candidates for the certificate program must be able to function at the level of someone who had finished Intermediate Spanish II (SPAN 2143). This could be achieved by:

- completing a sequence of courses through Intermediate Spanish II
- being a native or near-native speaker
having four or more years of high school Spanish with a "B" average or better. The latter two options require passing the CLEP exam in Spanish resulting in 12 credit hours of elementary and intermediate Spanish.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 3423</td>
<td>Spanish Conversation and Composition</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4473</td>
<td>Intensive Spanish Conversation and Composition</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 3453</td>
<td>Commercial Spanish</td>
<td>3</td>
</tr>
<tr>
<td>SP 4233</td>
<td>Intercultural Communication</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4593</td>
<td>Seminar: An Advanced Topic in Business Spanish</td>
<td>3</td>
</tr>
<tr>
<td>SPAN XXX1-3</td>
<td>Internship/Practicum</td>
<td>1-3</td>
</tr>
</tbody>
</table>

It is strongly recommended that students complete as many of the above courses as possible through the Latin American Studies Program offered through the as a study abroad option through the CCCU.

**DEPARTMENT OF SPEECH COMMUNICATION**

**Departmental Objectives**
The objectives of the Department of Speech Communication are designed to

- emphasize to the student the importance of intelligent speech as inherent and central in the structure of a society of free people.
- develop within the student an ethic that recognizes the responsibility of social consequence arising out of the individual’s speech behavior.
- help the student understand the role of communication in effective interpersonal relations, group interaction, conflict management and organizational life.
- help the student achieve effectiveness that will merit response in areas of persuasion and influence.
- develop within the student aesthetic appreciation and personal skills in literary and performance values of speech, literature, and drama.

**Departmental Full-time Faculty**

**Pamela S. Broyles, Ph.D., Professor** (Fall 1979)
- B.A., Bethany Nazarene College
- M.Ed., University of Oklahoma
- Ph.D., University of Oklahoma

**Melany Kyzer, J.D., Professor/Dean of the College of Humanities** (Fall 2001)
- B.S., Bethany Nazarene College
- M.A., Southern Nazarene University
- J.D., Oklahoma City University

**Jimmie D. Smith, Associate Professor** (1987-1989; Fall 1991)
- B.A., Bethany Nazarene College
- M.A., Bethany Nazarene College
- Ph.D. coursework, University of Oklahoma

**Departmental Majors**

**HUMAN RELATIONS**
The Human Relations major is a structured, 60-credit hour, multidisciplinary major in speech communication, psychology, and sociology that leads to a Bachelor of Science degree. It is designed to serve a variety of professional interests that focus on personal interaction in human relations.
Upon completion of the major students will be able to:

- demonstrate effective interpersonal communication skills.
- demonstrate effective written communication skills.
- demonstrate conceptual knowledge of core courses in the major.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 1113 or 1213</td>
<td>General Psychology I or II</td>
<td>3</td>
</tr>
<tr>
<td>PSY 3113</td>
<td>Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 3133</td>
<td>Human Development</td>
<td>3</td>
</tr>
<tr>
<td>PSY 3203</td>
<td>Industrial/Organizational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 4103</td>
<td>Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 2353</td>
<td>Interviewing Techniques</td>
<td>3</td>
</tr>
<tr>
<td>SOC 1113</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 2113</td>
<td>Social Problems</td>
<td>3</td>
</tr>
<tr>
<td>SOC 3103</td>
<td>Race and Ethnicity</td>
<td>3</td>
</tr>
<tr>
<td>SOC 2153</td>
<td>Sociology of the Family</td>
<td>3</td>
</tr>
<tr>
<td>SP C 4223</td>
<td>Group Interaction and Leadership</td>
<td>3</td>
</tr>
<tr>
<td>SP C 4213</td>
<td>Communication in Conflict Management</td>
<td>3</td>
</tr>
<tr>
<td>SP C 4133</td>
<td>Persuasion</td>
<td>3</td>
</tr>
<tr>
<td>SP C 3463</td>
<td>Family Communication</td>
<td>3</td>
</tr>
<tr>
<td>SP C 4233</td>
<td>Intercultural Communication</td>
<td>3</td>
</tr>
<tr>
<td>SP C, PSY, OR SOC</td>
<td>Colloquium</td>
<td>1-2</td>
</tr>
</tbody>
</table>

**Electives**

- PSY, SOC, SP C to total at least 13 credit hours
- PSY 2102 Self Concept Development 2
- PSY 4153 Personality Psychology 3
- PSY 4213 Principles of Counseling 3
- PSY 4263 Techniques of Counseling 3
- SOC 3153 Urban Sociology 3
- SOC 3213 Political and Social Philosophy 3
- SOC 3433 Death and Dying 3
- SOC 4143 Social Theory 3
- SOC 4183 Cultural Anthropology 3
- SP C 2213 Introduction to Organizational Communication 3

**Human Relations Major Credit Hours**

60

* Special studies (appropriate topics), internship, practicum, and study abroad courses are strongly recommended as electives.

**MASS COMMUNICATION MAJOR**

The Departments of Speech Communication and English supervise Mass Communication programs.

At the completion of the Mass Communication major, students will be able to

- demonstrate effective public speaking skills.
- demonstrate effective writing skills.
- demonstrate an understanding of the theory and process of mass communication.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCOM 1213</td>
<td>Design I</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 1311</td>
<td>Introduction to Cultural and Communication Studies</td>
<td>1</td>
</tr>
<tr>
<td>MCOM 2313</td>
<td>Newswriting</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 2323</td>
<td>Survey of Mass Media</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 2353</td>
<td>Interviewing Techniques</td>
<td>3</td>
</tr>
</tbody>
</table>
MCOM 2393  Video Production  3  
MCOM 3383  Publication Design and Production  3  
MCOM 4103  English Grammar II  3  
MCOM 4371  Cultural & Communication Studies Colloquium  1  

Foreign Language  6  

Practicum Courses  
Choose two of the following  
MCOM 2361  Newspaper Practicum  1  
MCOM 2371  Yearbook Practicum  1  
MCOM 2381  Broadcasting Practicum  1  

Elective Courses  
Choose eight credit hours from the following  
MCOM 2113  Web Design I  3  
MCOM 2123  Web Design II  3  
MCOM 2332  Photography  2  
MBUS 2513  Studio Recording I  3  
MCOM 2813  Genre Writing  3  
MCOM 3133  Writing for Publication  3  
MCOM 3143  Technical Communications  3  
MCOM 3153  Promotional Strategies  3  
MCOM 3313  Magazine Writing  3  
MCOM 3353  Advanced Video Production  3  
MCOM 3363  Newspaper Editor Practicum  3  
MCOM 3373  Yearbook Editor Practicum  3  
MCOM 4183  Media Law  3  
MCOM 4203  Writing for Digital Media  3  
MCOM 4213  Media Ethics  3  
MCOM 4323  Broadcast News  3  
MCOM 4343  Public Relations Strategies  3  
MCOM 4362-3  Special Studies  2-3  
MCOM 4381-3  Internship  1-3  

Mass Communication Major Credit Hours  39  

SPEECH COMMUNICATION MAJOR  
A major in speech communication consists of 35 credit hours in speech communication above the freshman level General Education course plus six credit hours of a foreign language.  

At the complete of the Speech Communication major, students will be able to:  
• demonstrate effective public speaking skills.  
• demonstrate effective interpersonal skills.  
• demonstrate effective writing skills.  
• demonstrate an understanding of the theory and process of communication.  

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP C 1311</td>
<td>Introduction to Cultural and Communication Studies</td>
<td>1</td>
</tr>
<tr>
<td>SP C 2133</td>
<td>Public Speaking and Debate</td>
<td>3</td>
</tr>
<tr>
<td>SP C 2213</td>
<td>Introduction to Organizational Communication</td>
<td>3</td>
</tr>
<tr>
<td>SP C 2353</td>
<td>Interviewing Techniques</td>
<td>3</td>
</tr>
<tr>
<td>SP C 3123</td>
<td>Communication Analysis</td>
<td>3</td>
</tr>
<tr>
<td>SP C 3463</td>
<td>Family Communication</td>
<td>3</td>
</tr>
<tr>
<td>SP C 4133</td>
<td>Persuasion</td>
<td>3</td>
</tr>
</tbody>
</table>
### Speech Communication Major Credit Hours

39

### PUBLIC RELATIONS MAJOR

The B.S. in Public Relations is a 46-credit hour major with a recommended 18-credit hour minor in mass communication, English, graphic design, business, psychology or foreign language.

At the completion of the Public Relations major, students will be able to:
- demonstrate effective public speaking skills.
- demonstrate effective interpersonal skills.
- demonstrate effective writing skills.
- demonstrate an understanding of the theory and process of communication.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required Courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MCOM 1213</td>
<td>Design I</td>
<td>3</td>
</tr>
<tr>
<td>SP C 1311</td>
<td>Introduction to Cultural and Communication Studies</td>
<td>1</td>
</tr>
<tr>
<td>SP C 2133</td>
<td>Public Speaking and Debate</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 2313</td>
<td>Newswriting</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 2353</td>
<td>Interviewing Techniques</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 3143</td>
<td>Technical Communications</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 3383</td>
<td>Publication Design and Production</td>
<td>3</td>
</tr>
<tr>
<td>SP C 4133</td>
<td>Persuasion</td>
<td>3</td>
</tr>
<tr>
<td>SP C 4191</td>
<td>Cultural &amp; Communication Studies Colloquium</td>
<td>3</td>
</tr>
<tr>
<td>SP C 4213</td>
<td>Communication in Conflict Management</td>
<td>3</td>
</tr>
<tr>
<td>SP C 4223</td>
<td>Group Interaction and Leadership</td>
<td>3</td>
</tr>
<tr>
<td>SP C 4233</td>
<td>Intercultural Communication</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 4343</td>
<td>Public Relations Strategies</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 4213</td>
<td>Media Ethics</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 4183</td>
<td>Media Law</td>
<td>3</td>
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</tbody>
</table>

### Practicum Courses

Choose two of the following

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCOM 2361</td>
<td>Newspaper Practicum</td>
<td>1</td>
</tr>
<tr>
<td>MCOM 2371</td>
<td>Yearbook Practicum</td>
<td>1</td>
</tr>
<tr>
<td>MCOM 2381</td>
<td>Broadcasting Practicum</td>
<td>1</td>
</tr>
</tbody>
</table>

### Electives

Choose from the following to total three credit hours

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCOM 2332</td>
<td>Photography</td>
<td>2</td>
</tr>
<tr>
<td>MCOM 2393</td>
<td>Video Production</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2813</td>
<td>Genre Writing</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 3133</td>
<td>Writing for Publication</td>
<td>3</td>
</tr>
<tr>
<td>MKT 3153</td>
<td>Promotional Strategies</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 3313</td>
<td>Magazine Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 4103</td>
<td>English Grammar II</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 4203</td>
<td>Writing for Digital Media</td>
<td>3</td>
</tr>
</tbody>
</table>
MCOM 4363  Special Studies in Mass Communication  3
SPC 4381  Internship  1

Public Relations Major Credit Hours  46

MULTIDISCIPLINARY MAJOR
A major of 60 credit hours selected from speech communication and from at least one other department (excluding the Departments of Modern Languages and English) which is related to a stated life objective or vocational goal is known as a multidisciplinary major. A minimum of 20 credit hours of coursework is required in each major area of a multidisciplinary program. Basic courses in General Education may be included in the 60 credit hours. Within this major, various programs of study are possible and must be approved in advance through the Office of Academic Affairs. Two of the most common are Human Relations (see Department of Psychology) and Urban Ministry/Urban Studies (see School of Theology and Ministry).

Departmental Minor
SPEECH COMMUNICATION MINOR
Eighteen credit hours in speech communication courses above the freshman level General Education courses are required for a speech communication minor.

SCHOOL OF MUSIC

School Objectives
• To provide for the integration and appreciation of the fine arts within the context of a liberal arts education, developing artistic cultural awareness and fostering creative activity.
• To provide a thorough undergraduate program of studies for students with an interest in the field of music and music education.
• To train and encourage students in responsible and effective service to the Church through the discipline and expressive nature of music.
• To provide opportunities for the student body to participate in music making individually, in ensembles and corporately.

School Faculty
Rebekah Ambrosini, Associate Professor (Fall 2006)
  B.Mus., Oklahoma City University
  M.P.A., Oklahoma City University
  Graduate Study, University of Oklahoma

Richard E. Cantwell, Ph.D., Professor, Department of Music (Fall 2011)
  B.F.A., University of Nebraska
  M.M.E., University of Nebraska
  D.M.A., University of Missouri at Kansas City -Conservatory of Music

Matthew Denman, Assistant Professor (Fall 2012)
  B. M., Oklahoma City University
  M.M.E., University of Central Oklahoma

Jim Graves, Assistant Professor (Fall 2008)
  B.Mus.Ed., Boise State University
  M.M., Choral Conducting, University of North Texas
Melissa Lewis, D.M.A., Professor/Chair (Fall 1999)
B.S., Southern Nazarene University
M.M., University of Cincinnati College-Conservatory of Music
D.M.A., University of Cincinnati College-Conservatory of Music

Philip A. Moore, D.M.A., Professor (Fall 1981)
B.Mus.Ed., Bethany Nazarene College
M.Mus.Ed., University of Oklahoma
D.M.A., University of Oklahoma

Mark Reighard, D.M.A., Professor (Fall 1969)
B.Mus.Ed., Bethany Nazarene College
M.A., University of Oklahoma
D.M.A., University of Oklahoma

Kenneth Rosfeld, Associate Professional Specialist/Director, Music Business Program (Fall 2005)
B.A., Southern Nazarene University

School Special Requirements
The SNU School of Music is an accredited institutional member of the National Association of Schools of Music (NASM) and offers standards in accordance with the requirements of this organization.

Reference to the School of Music Handbook is essential in determining all current policies that may supersede this catalog.

QUALIFYING BARRIERS
1. Theory placement exams covering aural skills and music fundamentals are given to new students. Class assignments are based on the results of these examinations.
2. Applied music examinations (juries) are given by committees of the music faculty at the end of each semester. The examinations at the end of the sophomore year will determine whether or not a student majoring in music will be permitted entrance into the performance concentration.
3. Students preparing recitals will perform a recital preview for a committee of three music faculty not less than one month before a scheduled performance. Evaluation will be pass, provisional pass or fail.
4. Music majors must pass
   a. at least two parts of the Piano Proficiency examination by the spring of the freshman year, and
   b. all parts of the exam by the fall of the junior year.
   c. Piano Proficiency elements include Scales, Happy Birthday, Star-Spangled Banner, Score Reading, Praise Chorus or Hymn, Improvisation, Transposition, and Repertoire.

Failure to fulfill either requirement listed above will result in a one semester probation period. If the requirement is not completed after the probation period, the student will not be allowed to enroll in courses for the music major until the requirement is completed. Once Proficiency commences, students have six years to complete all elements. If all elements have not been passed within six years of the first attempt, the entire Proficiency must be taken again.

PERFORMANCE REQUIREMENTS
1. All music majors are to present a 30-minute Junior Level Recital in their major applied area. Performance majors are to present an additional 60-minute Senior Level Recital. Evaluation will be pass or fail.
2. In special instances, students pursuing a Bachelor of Arts in Music, a Bachelor of Science in Music with a worship arts or music business emphasis, or a Bachelor of Music Education degree may prepare a Capstone Project (M TH 4241, C M 4241, MBUS 4241, or M ED 4241) in lieu of a Junior Level
Recital. The nature and scope of the Capstone Project is determined after consultation with the student’s advisor, with the approval of the chair of the School of Music.

3. Music majors enroll in primary ensembles as required by their degree program. The primary ensemble for students with a wind or percussion concentration is the Symphonic Band; for string concentration, the Chamber/Metropolitan Orchestra; for vocal concentration, the SNU Chorale (freshmen will enroll in Concert Choir, as will those not accepted in the SNU Chorale based on audition); for guitar concentration, the Guitar Ensemble; for piano/organ concentration, any of the above.

4. Non-vocal concentration majors are also required to enroll in one semester of choral ensemble.

5. Music scholarship requirements may supersede the above requirements.

**PROFESSIONAL REQUIREMENTS**

Students pursuing the Bachelor of Music Education degree are required to join the Music Educators National Conference (MENC) each semester.

**APPLIED MUSIC (APMU) CREDIT**

Individual lessons are offered in voice, piano, organ, woodwind, brass, strings, percussion and guitar. All vocal music education majors must enroll their first year for at least one lesson in piano and one lesson in voice.

<table>
<thead>
<tr>
<th>Type of Lessons</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>One class lesson per week</td>
<td>1</td>
</tr>
<tr>
<td>Two class lessons per week</td>
<td>1-2</td>
</tr>
<tr>
<td>One 30-minute private lesson per week</td>
<td>1</td>
</tr>
<tr>
<td>One 60-minute private lesson per week</td>
<td>2</td>
</tr>
</tbody>
</table>

One credit hour in applied music requires a minimum of four to six hours of practice a week. The grade is based on practice and achievement. The student must attend 75 percent of regular lessons to pass.

Music majors must pursue individual instruction in the primary area of performance each semester. Private lessons in applied music are 30-minute and 60-minute periods. Lessons falling on legal holidays, SNU holidays or missed due to a student’s negligence will not be made up. Lessons missed unavoidably or by the instructor shall be made up at instructor’s earliest convenience.

**School Majors**

**MUSIC MAJOR (B.A. DEGREE)**

This degree program is designed for the student who wishes to have a general background in music. The major must be supported by one minor of not fewer than 15 credit hours in a related department.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>M TH 1322</td>
<td>Survey of Music</td>
<td>2</td>
</tr>
<tr>
<td>M TH 1332</td>
<td>Fundamentals of Music</td>
<td>2</td>
</tr>
<tr>
<td>M TH 1342</td>
<td>Harmony I</td>
<td>2</td>
</tr>
<tr>
<td>M TH 1352</td>
<td>Aural Theory I</td>
<td>2</td>
</tr>
<tr>
<td>M TH 2322</td>
<td>Harmony II</td>
<td>2</td>
</tr>
<tr>
<td>M TH 2342</td>
<td>Aural Theory II</td>
<td>2</td>
</tr>
<tr>
<td>M TH 2332</td>
<td>Harmony III</td>
<td>2</td>
</tr>
<tr>
<td>M TH 2352</td>
<td>Aural Theory III</td>
<td>2</td>
</tr>
<tr>
<td>M ED 3302</td>
<td>Music History I</td>
<td>2</td>
</tr>
<tr>
<td>M ED 4322-3</td>
<td>Music History II</td>
<td>2-3</td>
</tr>
<tr>
<td>M ED 4332-3</td>
<td>Music History III</td>
<td>2-3</td>
</tr>
<tr>
<td>M ED 3372</td>
<td>Conducting I</td>
<td>2</td>
</tr>
</tbody>
</table>
M ED 2300  Recital Attendance  0
C M 3113  Music, Ministry and the Church  3
APMU 2400  Enrichment Seminar  0
APMU 3141  Junior Level Recital  1
MENS  Music Ensemble  8+
APMU Electives (minimum of four credit hours in piano)  12

**Music electives** (other than MENS)  4

**Music Major (B.A. Degree) Credit Hours**  52+

**MUSIC MAJOR (B.S. DEGREE)**

Three emphases are offered for the B.S. degree: worship arts, music performance (vocal, keyboard, instrumental) and music business.

**WORSHIP ARTS EMPHASIS**

A liberal arts degree with a major in music designed for the student who wishes a greater depth of understanding and study in the area of music as it relates to the church.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>M TH 1322</td>
<td>Survey of Music</td>
<td>2</td>
</tr>
<tr>
<td>M TH 1332</td>
<td>Fundamentals of Music</td>
<td>2</td>
</tr>
<tr>
<td>M TH 1342</td>
<td>Harmony I</td>
<td>2</td>
</tr>
<tr>
<td>M TH 1352</td>
<td>Aural Theory I</td>
<td>2</td>
</tr>
<tr>
<td>M TH 2322</td>
<td>Harmony II</td>
<td>2</td>
</tr>
<tr>
<td>M TH 2342</td>
<td>Aural Theory II</td>
<td>2</td>
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<tr>
<td>M TH 2332</td>
<td>Harmony III</td>
<td>2</td>
</tr>
<tr>
<td>M TH 2352</td>
<td>Aural Theory III</td>
<td>2</td>
</tr>
<tr>
<td>M ED 3302</td>
<td>Music History I</td>
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<tr>
<td>M ED 4322</td>
<td>Music History II</td>
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</tr>
<tr>
<td>M ED 3372</td>
<td>Conducting I</td>
<td>2</td>
</tr>
</tbody>
</table>
| M ED 2300     | Recital Attendance  

C M 3113  Music, Ministry and the Church  3
APMU 2400  Enrichment Seminar  0
APMU 3141  Junior Level Recital  1

**Other Required Music Courses**

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>M ED 3382</td>
<td>Conducting II</td>
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<tr>
<td>C M 4213</td>
<td>Church Music Administration</td>
<td>3</td>
</tr>
<tr>
<td>APMU</td>
<td>Applied Major Instrument (primary)</td>
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</tr>
<tr>
<td>APMU</td>
<td>Applied Piano</td>
<td>2</td>
</tr>
<tr>
<td>APMU</td>
<td>Applied Voice</td>
<td>2</td>
</tr>
<tr>
<td>APMU</td>
<td>Applied Guitar</td>
<td>2</td>
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<tr>
<td>MBUS 1312</td>
<td>Live Recording Techniques</td>
<td>2</td>
</tr>
<tr>
<td>MBUS 2541</td>
<td>Introduction to Production Techniques</td>
<td>1</td>
</tr>
<tr>
<td>MBUS 2513</td>
<td>Studio Recording I</td>
<td>3</td>
</tr>
<tr>
<td>M ED 3391</td>
<td>Fundamentals of Instrumental Methods</td>
<td>1</td>
</tr>
<tr>
<td>M TH 4442</td>
<td>Arranging</td>
<td>2</td>
</tr>
</tbody>
</table>
| MENS          | Music Ensemble  

C M 4283  Music Internship  3

Choose an elective from Art (ART), Graphic Design (GDSG) or Communications (MCOM)

**Suggested courses:**

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ART 2013</td>
<td>History of Art &amp; Design</td>
<td>3</td>
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</table>
Choose 2 electives from Practical Theology (PRTH) or Christian Ed (C ED)

Worship Arts Major Credit Hours 70+

**MUSIC PERFORMANCE EMPHASIS**
The degree programs with a music performance emphasis are liberal arts degrees with a major in music. These are designed for the student who wishes a greater depth of understanding and study in the area of musical performance. All three concentrations—vocal, keyboard, and instrumental—require the Music Core Courses with other courses as described below.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td><strong>Music Core Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M TH 1322</td>
<td>Survey of Music</td>
<td>2</td>
</tr>
<tr>
<td>M TH 1332</td>
<td>Fundamentals of Music</td>
<td>2</td>
</tr>
<tr>
<td>M TH 1342</td>
<td>Harmony I</td>
<td>2</td>
</tr>
<tr>
<td>M TH 1352</td>
<td>Aural Theory I</td>
<td>2</td>
</tr>
<tr>
<td>M TH 2322</td>
<td>Harmony II</td>
<td>2</td>
</tr>
<tr>
<td>M TH 2342</td>
<td>Aural Theory II</td>
<td>2</td>
</tr>
<tr>
<td>M TH 2332</td>
<td>Harmony III</td>
<td>2</td>
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<tr>
<td>M TH 2352</td>
<td>Aural Theory III</td>
<td>2</td>
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<tr>
<td>M ED 3302</td>
<td>Music History I</td>
<td>2</td>
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<tr>
<td>M ED 4322-3</td>
<td>Music History II</td>
<td>2-3</td>
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<tr>
<td>M ED 4332-3</td>
<td>Music History III</td>
<td>2-3</td>
</tr>
<tr>
<td>M ED 3372</td>
<td>Conducting I</td>
<td>2</td>
</tr>
<tr>
<td>M ED 2300</td>
<td>Recital Attendance ^∞</td>
<td>0</td>
</tr>
<tr>
<td>C M 3113</td>
<td>Music, Ministry and the Church</td>
<td>3</td>
</tr>
<tr>
<td>APMU 2400</td>
<td>Enrichment Seminar #</td>
<td>0</td>
</tr>
<tr>
<td>APMU 3141</td>
<td>Junior Level Recital *</td>
<td>1</td>
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</tbody>
</table>

**VOCAL PERFORMANCE CONCENTRATION**

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>M ED 4323</td>
<td>Music History II</td>
<td>3</td>
</tr>
<tr>
<td>M ED 4333</td>
<td>Music History III</td>
<td>3</td>
</tr>
<tr>
<td>M ED 3211</td>
<td>Introduction to Opera</td>
<td>1</td>
</tr>
<tr>
<td>M ED 3222</td>
<td>Vocal Literature and Diction I</td>
<td>2</td>
</tr>
<tr>
<td>M ED 3231</td>
<td>Vocal Literature and Diction II</td>
<td>1</td>
</tr>
<tr>
<td>M ED 3362</td>
<td>Vocal Pedagogy</td>
<td>2</td>
</tr>
<tr>
<td>M TH 4413</td>
<td>Counterpoint</td>
<td>3</td>
</tr>
<tr>
<td>M TH 4423</td>
<td>Music Analysis</td>
<td>3</td>
</tr>
<tr>
<td>APMU</td>
<td>Applied Voice</td>
<td>14</td>
</tr>
<tr>
<td>APMU</td>
<td>Applied Piano</td>
<td>4</td>
</tr>
<tr>
<td>APMU 4141</td>
<td>Senior Level Recital</td>
<td>1</td>
</tr>
<tr>
<td>MENS</td>
<td>Music Ensemble ^</td>
<td>8</td>
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</tbody>
</table>

Two semesters French or German

**Music Performance Emphasis-Vocal Concentration Credit Hours 75**

**KEYBOARD PERFORMANCE CONCENTRATION**

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>M ED 4323</td>
<td>Music History II</td>
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</tr>
<tr>
<td>M ED 4333</td>
<td>Music History III</td>
<td>3</td>
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<tr>
<td>M ED 3352</td>
<td>Keyboard Pedagogy</td>
<td>2</td>
</tr>
<tr>
<td>M ED 3411</td>
<td>Keyboard Literature</td>
<td>1</td>
</tr>
<tr>
<td>MBUS 3432</td>
<td>MIDI Production</td>
<td>2</td>
</tr>
<tr>
<td>M TH 4413</td>
<td>Counterpoint</td>
<td>3</td>
</tr>
</tbody>
</table>
M TH 4423  Music Analysis  3
M TH 4432 or 4442  Orchestration or Arranging  2
APMU  Applied Keyboard  14
APMU 4141  Senior Level Recital  1
MENS  Music Ensemble  8
Two semesters French or German  6

Music Performance Emphasis-Vocal Concentration Credit Hours  72

INSTRUMENTAL PERFORMANCE CONCENTRATION
M ED 4323  Music History II  3
M ED 4333  Music History III  3
APMU  Applied Major instrument  14
APMU 4141  Senior Level Recital  1
APMU  Applied Piano  2
APMU  Other Applied  2
MENS 2511/3511  Symphonic Band/Orchestra  8
MENS  Choral Ensemble  1
M TH 4413  Counterpoint  3
M TH 4423  Music Analysis  3
M TH 4432 or 4442  Orchestration or Arranging  2
Two semesters French or German  6

Choose one of the following
M ED 3311  Brass Methods  1
M ED 3321  Percussion Methods  1
M ED 3331  Woodwind Methods  1
M ED 3341  String Methods  1

Music Performance Emphasis-Instrumental Concentration Credit Hours  73

‡ See School of Music Handbook for possible waiver.

MUSIC BUSINESS EMPHASIS
A liberal arts degree with a major in music designed for the student with an interest in the music business industry.

Course Number  Course Title  Credit Hours
M TH 1322  Survey of Music  2
M TH 1332  Fundamentals of Music  2
M TH 1342  Harmony I  2
M TH 1352  Aural Theory I  2
C M 3113  Music, Ministry and the Church  3
M ED 3372  Conducting I  2
M ED 4322  Music History II  2
M ED 4332  Music History III  2
M TH 4432  Orchestration  2
APMU  Applied Performance  6
MENS  Music Ensemble  8
M ED 2300  Recital Attendance  0
APMU 2400  Enrichment Seminar #  0
MBUS 1213  Introduction to Music Business  3
MBUS 1312  Live Recording Techniques  2
MBUS 2513  Studio Recording I  3
MBUS 2523  Studio Recording II  3
MBUS 2541  Introduction to Production Technology  1
MBUS 3303  History of Recorded Music  3
MBUS 3412  Music Publishing  2
MBUS 3432-3  MIDI Production  2-3
MBUS 4381-3  Music Business Internship  1-3
ACC 2113  Principles of Accounting I  3
BADM 3103  Business Communication  3
MKT 3123  Human Resources Management  3
MKT 2113  Principles of Marketing  3

Choose one of the following
APMU 3141  Junior Level Recital  1
MBUS 4241  Capstone Project *  1

Music Business Emphasis Credit Hours  66-69

MUSIC EDUCATION DEGREE (B.M.E.)
This degree option is designed for the student who is preparing to teach vocal or instrumental music in the public schools. Students must make application and be approved for admission to the Teacher Education program and student teaching at appropriate points in the degree program.

VOCAL CONCENTRATION

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>M TH 1322</td>
<td>Survey of Music</td>
<td>2</td>
</tr>
<tr>
<td>M TH 1332</td>
<td>Fundamentals of Music</td>
<td>2</td>
</tr>
<tr>
<td>M TH 1342</td>
<td>Harmony I</td>
<td>2</td>
</tr>
<tr>
<td>M TH 1352</td>
<td>Aural Theory I</td>
<td>2</td>
</tr>
<tr>
<td>M TH 2322</td>
<td>Harmony II</td>
<td>2</td>
</tr>
<tr>
<td>M TH 2342</td>
<td>Aural Theory II</td>
<td>2</td>
</tr>
<tr>
<td>M TH 2332</td>
<td>Harmony III</td>
<td>2</td>
</tr>
<tr>
<td>M TH 2352</td>
<td>Aural Theory III</td>
<td>2</td>
</tr>
<tr>
<td>M ED 3302</td>
<td>Music History I</td>
<td>2</td>
</tr>
<tr>
<td>M ED 4322-3</td>
<td>Music History II</td>
<td>2-3</td>
</tr>
<tr>
<td>M ED 4332-3</td>
<td>Music History III</td>
<td>2-3</td>
</tr>
<tr>
<td>M ED 3372</td>
<td>Conducting I</td>
<td>2</td>
</tr>
<tr>
<td>M ED 2300</td>
<td>Recital Attendance ∞</td>
<td>0</td>
</tr>
<tr>
<td>CM 3113</td>
<td>Music, Ministry and the Church</td>
<td>3</td>
</tr>
<tr>
<td>APMU 2400</td>
<td>Enrichment Seminar #</td>
<td>0</td>
</tr>
<tr>
<td>APMU 3141</td>
<td>Junior Level Recital *</td>
<td>1</td>
</tr>
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</table>

Other Required Courses

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>M ED 3222</td>
<td>Vocal Literature and Diction I</td>
<td>2</td>
</tr>
<tr>
<td>M ED 3231</td>
<td>Vocal Literature and Diction II</td>
<td>1</td>
</tr>
<tr>
<td>M ED 3362</td>
<td>Vocal Pedagogy</td>
<td>2</td>
</tr>
<tr>
<td>M ED 3382</td>
<td>Conducting II</td>
<td>2</td>
</tr>
<tr>
<td>M ED 3391</td>
<td>Fundamentals of Instrumental Methods</td>
<td>1</td>
</tr>
<tr>
<td>M ED 4352</td>
<td>Elementary Music Methods</td>
<td>2</td>
</tr>
<tr>
<td>M ED 4362</td>
<td>Secondary Music Methods</td>
<td>2</td>
</tr>
<tr>
<td>M TH 4442</td>
<td>Arranging</td>
<td>2</td>
</tr>
<tr>
<td>APMU</td>
<td>Applied Voice (or Piano)</td>
<td>7</td>
</tr>
<tr>
<td>APMU</td>
<td>Applied Piano (or Voice)</td>
<td>4</td>
</tr>
<tr>
<td>MENS</td>
<td>Music Ensembles*</td>
<td>8</td>
</tr>
<tr>
<td>ED 2111</td>
<td>Introduction to Education</td>
<td>1</td>
</tr>
<tr>
<td>ED 2162</td>
<td>Foundations of Education</td>
<td>2</td>
</tr>
<tr>
<td>Course Number</td>
<td>Course Title</td>
<td>Credit Hours</td>
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<tr>
<td>---------------</td>
<td>--------------------------------------------------</td>
<td>--------------</td>
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<tr>
<td>ED 2173</td>
<td>Psychology of Child and Youth</td>
<td>3</td>
</tr>
<tr>
<td>ED 3223</td>
<td>Educational Psychology</td>
<td>3</td>
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<tr>
<td>ED 4141</td>
<td>Survey of Exceptional Child</td>
<td>1</td>
</tr>
<tr>
<td>ED 4273</td>
<td>Professional Decision Making</td>
<td>3</td>
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<tr>
<td>ED 4700</td>
<td>Seminar</td>
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<tr>
<td>ED 4965</td>
<td>Student Teaching Elementary</td>
<td>5</td>
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<tr>
<td>ED 4995</td>
<td>Student Teaching Secondary</td>
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</table>

Foreign language proficiency required

**B.M. Vocal Concentration Credit Hours**

Total Credit Hours: 87

### INSTRUMENTAL CONCENTRATION

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>M TH 1322</td>
<td>Survey of Music</td>
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</tr>
<tr>
<td>M TH 1332</td>
<td>Fundamentals of Music</td>
<td>2</td>
</tr>
<tr>
<td>M TH 1342</td>
<td>Harmony I</td>
<td>2</td>
</tr>
<tr>
<td>M TH 1352</td>
<td>Aural Theory I</td>
<td>2</td>
</tr>
<tr>
<td>M TH 2322</td>
<td>Harmony II</td>
<td>2</td>
</tr>
<tr>
<td>M TH 2342</td>
<td>Aural Theory II</td>
<td>2</td>
</tr>
<tr>
<td>M TH 2332</td>
<td>Harmony III</td>
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<td>M TH 2352</td>
<td>Aural Theory III</td>
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<td>M ED 3302</td>
<td>Music History I</td>
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<tr>
<td>M ED 4322-3</td>
<td>Music History II</td>
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<td>M ED 4332-3</td>
<td>Music History III</td>
<td>2-3</td>
</tr>
<tr>
<td>M ED 3372</td>
<td>Conducting I</td>
<td>2</td>
</tr>
<tr>
<td>M ED 2300</td>
<td>Recital Attendance *</td>
<td>∞</td>
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<tr>
<td>CM 3113</td>
<td>Music, Ministry and the Church</td>
<td>3</td>
</tr>
<tr>
<td>APMU 2400</td>
<td>Enrichment Seminar *</td>
<td>0</td>
</tr>
<tr>
<td>APMU 3141</td>
<td>Junior Level Recital *</td>
<td>1</td>
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### Other Required Courses

<table>
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<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>M ED 3311</td>
<td>Brass Methods</td>
<td>1</td>
</tr>
<tr>
<td>M ED 3321</td>
<td>Percussion Methods</td>
<td>1</td>
</tr>
<tr>
<td>M ED 3331</td>
<td>Woodwind Methods</td>
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<tr>
<td>M ED 3341</td>
<td>String Methods</td>
<td>1</td>
</tr>
<tr>
<td>M ED 3382</td>
<td>Conducting II</td>
<td>2</td>
</tr>
<tr>
<td>M ED 4342 or 3442</td>
<td>Marching Band Techniques or String Pedagogy</td>
<td>2</td>
</tr>
<tr>
<td>M ED 4352</td>
<td>Elementary Music Methods</td>
<td>2</td>
</tr>
<tr>
<td>M ED 4362</td>
<td>Secondary Music Methods</td>
<td>2</td>
</tr>
<tr>
<td>M TH 4432 or 4442</td>
<td>Orchestration or Arranging</td>
<td>2</td>
</tr>
<tr>
<td>APMU</td>
<td>Applied Major Instrument</td>
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<tr>
<td>APMU</td>
<td>Applied Piano</td>
<td>1</td>
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<tr>
<td>APMU</td>
<td>Applied Voice</td>
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<tr>
<td>Other Applied</td>
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<tr>
<td>MENS 2511 or 2521</td>
<td>Symphonic Band or Orchestra</td>
<td>8</td>
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<tr>
<td>MENS</td>
<td>Choral Ensemble^</td>
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</tr>
<tr>
<td>ED 2111</td>
<td>Introduction to Education</td>
<td>1</td>
</tr>
<tr>
<td>ED 2162</td>
<td>Foundations of Education</td>
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<tr>
<td>ED 2173</td>
<td>Psychology of Children and Youth</td>
<td>3</td>
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<tr>
<td>ED 3122</td>
<td>Learning and Evaluation</td>
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<tr>
<td>ED 4142</td>
<td>Survey of Exceptional Child</td>
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</tr>
<tr>
<td>ED 4273</td>
<td>Professional Decision Making</td>
<td>3</td>
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</tbody>
</table>
B.M.E. Instrumental Concentration Credit Hours 87

Note: all music majors must pass a minimum piano proficiency examination and in addition, Worship Arts majors must pass a minimum guitar proficiency.

Additional specifications for Music majors may be found in the School of Music Handbook, available in the music office (405.491.6345).

OTHER NOTES
∞ Students are required to attend a certain number of live performances each semester, determined by the total number of live performances on campus.

# Enrichment Seminars are presented each Friday from 2:00—2:50 p.m.

* Students must apply each semester for advanced levels of proficiency in their primary applied instrument. Minimum levels must be reached before a recital may be given.

^ See section on ensembles in School Special Requirements.

School Minors
Students wishing to minor in music have two options available. Both require completion of 18 credit hours in music, as specified below. Three semesters of Recital Attendance and Enrichment Seminar are also required.

MUSIC MINOR

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>M TH 1322</td>
<td>Survey of Music</td>
<td>2</td>
</tr>
<tr>
<td>M TH 1332</td>
<td>Fundamentals of Music</td>
<td>2</td>
</tr>
<tr>
<td>M TH 1342</td>
<td>Harmony I</td>
<td>2</td>
</tr>
<tr>
<td>M TH 1352</td>
<td>Aural Theory I</td>
<td>2</td>
</tr>
<tr>
<td>M ED 3372</td>
<td>Conducting I</td>
<td>2</td>
</tr>
<tr>
<td>MENS</td>
<td>Music Ensemble</td>
<td>2</td>
</tr>
<tr>
<td>APMU</td>
<td>Applied Music</td>
<td>4</td>
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<tr>
<td>Music elective (other than ensemble or FA 2123)</td>
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Music Minor Credit Hours 18

CHURCH MUSIC MINOR

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>M TH 1322</td>
<td>Survey of Music</td>
<td>2</td>
</tr>
<tr>
<td>M TH 1332</td>
<td>Fundamentals of Music</td>
<td>2</td>
</tr>
<tr>
<td>M ED 3372</td>
<td>Conducting I</td>
<td>2</td>
</tr>
<tr>
<td>MENS</td>
<td>Ensemble (at least one credit of vocal ensemble)</td>
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<tr>
<td>M ED 3391</td>
<td>Fundamentals of Instrumental Methods</td>
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<tr>
<td>APMU 1601</td>
<td>Private Voice</td>
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<tr>
<td>MBUS 2541</td>
<td>Introduction to Production Technology</td>
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<tr>
<td>CM 3223</td>
<td>Survey of Worship</td>
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<tr>
<td>CM 4283</td>
<td>Church Music Internship</td>
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</table>

Church Music Minor Credit Hours 18
School Mission
The mission of the School of Theology and Ministry, in obedience to the Great Commission, is to inspire and equip people for responsible Christian leadership in the Wesleyan holiness tradition.

School Objectives
The School of Theology and Ministry seeks to introduce the heritage, resources, and practices of the Christian faith in the General Education courses to orient all SNU students toward responsible Christian service in all walks of life. The school also provides pre-professional and professional training to equip students wishing to enter vocational Christian ministry.

GENERAL OBJECTIVES FOR ALL STUDENTS
Because Scripture is the primary authority for Christian faith, the school intends

- to stimulate students’ love of Scripture as the dynamic word of God.
- to equip students to participate in the disciplines of Bible study, scriptural truths in life, community and personal decisions.

Because reason organizes understanding and enables communication of the faith, the School of Theology and Ministry intends:

- to equip students to think critically and analytically about circumstances, ideas, and the intuitive foundations of our concepts.
- to enable students to understand theological presuppositions, language, and systems.
- to stimulate students to a lifetime application of a Wesleyan-Arminian theological perspective on contemporary issues.

Because understanding of Christian tradition frees individuals to participate constructively in community, the School of Theology and Ministry intends

- to introduce students to the pivotal persons, events, movements, and ideas of the church’s development.
- to stimulate an appreciation of the cultural and historical heritage and the promise of the Church of the Nazarene.
- to equip students for effective leadership in the Christian community of faith.

Because the Christian faith is lived out in human experience, the School of Theology and Ministry intends

- to resource students to become intentional about ministry in the church’s global mandate of the Kingdom of God.
- to stimulate in students a hunger for spirituality and vital piety.
- to equip students with leadership skills and attitudes that enable them to participate effectively in ministry.

SPECIFIC OBJECTIVES FOR PREPROFESSION
- To facilitate the integration of skills in communication, leadership, management, and churchmanship with deepening biblical and theological understanding.
- To provide an appropriate basis for graduate theological education.
- To provide resources, skills, and motivation for a lifetime of theological study.

SPECIFIC OBJECTIVES FOR THE STUDENT OF PHILOSOPHY
- To provide the student an understanding of the method and subject matter of philosophy.
- To engender in the student’s life the love of truth and the desire for an enriched life.
- To resolve the oppositions of skepticism and dogmatism by an investigation of all experience.
• To foster in the student the habit of accurate and consistent thinking.
• To teach the student what and how to question.

**School Full-time Faculty**

**Hal A. Cauthron, Ph.D., Professor/Chair** (Fall 1995)
B.A., Bethany Nazarene College  
M.A., Bethany Nazarene College  
M.Div., Nazarene Theological Seminary  
M.A., Vanderbilt University  
Ph.D., Vanderbilt University

**Timothy J. Crutcher, Ph.D., Professor** (Fall 2003)
B.A., Southern Nazarene University  
M.A. Southern Nazarene University  
M.Div. Nazarene Theological Seminary  
M.Th., Katholieke Universiteit Leuven, Belgium  
Ph.D./S.T.D., Katholieke Universiteit Leuven, Belgium

**Howard R. Culbertson, D.Min., Professor/Garner Chair of Missions** (Fall 1988)
B.A., Bethany Nazarene College  
M.Div., Nazarene Theological Seminary  
M.R.E., Nazarene Theological Seminary  
Graduate Study, Fuller Theological Seminary  
D.Min., Denver Seminary

**Donald W. Dunnington, D.Min., Professor/Director, Center for Global Engagement** (Fall 1991)
B.A., Olivet Nazarene University  
M.Div., Nazarene Theological Seminary  
D.Min., Trinity Evangelical Divinity School  
Graduate Study, Vanderbilt University

**Douglas D. Forsberg, Associate Professor** (Fall 2003)
B.A., Bartlesville Wesleyan College  
M.Div., Nazarene Theological Seminary  
M.A., Oklahoma State University

**Stephen G. Green, D.Min., Professor/W. N. King Chair, Theological and Biblical Studies** (Fall 1998)
B.S., Bethany Nazarene College  
M.Div., Nazarene Theological Seminary  
D.Min., Vanderbilt University  
Advanced Graduate Study, Fuller Theological Seminary

**Marty A. Michelson, Ph.D., Professor** (Fall 1998)
B.A., Northwest Nazarene College  
M.A., Point Loma Nazarene College  
M.A., Southern Nazarene University  
Postgraduate coursework, Iliff School of Theology and University of Denver  
Ph.D., University of Manchester, U.K.

**Brint A. Montgomery, Ph.D., Professor** (Fall 1996)
B.A., Northwest Nazarene College  
M.Div., Nazarene Theological Seminary  
M.A., University of Oklahoma  
Ph.D., University of Oklahoma
R. Douglas Samples, D.Min., Professor/Director, Ministry Internship Program (Fall 1998)
B.A., Olivet Nazarene University
M.Div., Nazarene Theological Seminary
D.Min., Fuller Theological Seminary

School Majors for B.A. Degrees
A B.A. degree program is the normal pattern of ministry preparation for students intending to serve as pastors, evangelists, missionaries, and theological educators. Preseminary students are strongly urged to follow one of the B.A. degree patterns.

All B.A. degree programs of the School of Theology and Ministry require three credit hours of philosophy beyond General Education Foundations or Windows courses. History of Modern Philosophy (PHIL 3113) is required.

All B.A. degree programs in the School of Theology and Ministry require 12 credit hours of New Testament Greek.

PASTORAL MINISTRY MAJOR
The pastoral ministry major for the B.A. degree is certified by the Church of the Nazarene as meeting all requirements of the Ministerial Course of Study for the Elder Track.

Upon successful completion of a Pastoral Ministry major, students will be able to
- narrate/tell the story of the Bible with regard to characters/persons/events and the soteriological significance of the Canon.
- think theologically about the practice of ministry.
- organize and lead the people of God in light of the Christian vision.
- articulate a clear response, informed by the history of the church's tradition, to the question "What is the church?"
- articulate the value of and means of practicing classical disciplines of the Christian life such as prayer, solitude, silence, lectio divina, fasting, worship, sacraments.
- be educationally prepared for ordination in the Church of the Nazarene.
- understand and communicate the gospel of Jesus Christ.
- write clearly, think coherently and verbally communicate particularly in the context (and practice) of church settings.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRTH 1113</td>
<td>Introduction to Ministry</td>
<td>3</td>
</tr>
<tr>
<td>CHS 3113</td>
<td>Introduction to Church History</td>
<td>3</td>
</tr>
<tr>
<td>CHS 4303</td>
<td>Special Topics in Church History</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 3113</td>
<td>History of Modern Philosophy</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Second Gen Ed course (either OTL&amp;L or NTL&amp;L)</td>
<td>3</td>
</tr>
<tr>
<td>BLT 2163</td>
<td>Methods in Biblical Study</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Upper division OT course and Upper division NT course</td>
<td>6</td>
</tr>
<tr>
<td>THEO 3113</td>
<td>Old Testament Theology</td>
<td>3</td>
</tr>
<tr>
<td>THEO 3123</td>
<td>New Testament Theology</td>
<td>3</td>
</tr>
<tr>
<td>THEO 3133</td>
<td>Doctrine of Holiness</td>
<td>3</td>
</tr>
<tr>
<td>THEO 4111</td>
<td>Senior Colloquium</td>
<td>1</td>
</tr>
<tr>
<td>THEO 4133</td>
<td>Systematic Theology I</td>
<td>3</td>
</tr>
<tr>
<td>THEO 4143</td>
<td>Systematic Theology II</td>
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</tr>
<tr>
<td>TOTAL</td>
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</table>
Biblical Literature Core Courses

Choose one Old Testament exegesis elective from the following:

- B LT 3113 Pentateuchal Narratives
- B LT 3123 Historical Books: The Former Prophets
- B LT 4123 Eighth and Seventh Century Prophets
- B LT 4213 Poetic and Wisdom Literature

Choose one New Testament exegesis elective course from the following:

- B LT 3243 Matthew and Mark
- B LT 3253 Pauline Epistles
- B LT 4173 Johannine Literature
- B LT 4193 General Epistles and Revelation

Other Required Courses

- PRTH 3113 Fundamentals of Preaching
- PRTH 3323 Evangelism and Church Renewal
- MISS 2113 Introduction to Christian Missions
- PRTH 4XX3 New Course TBD
- PRTH 4163 Pastoral Leadership and Team Building
- PRTH 4181-3 or 4381-3 Ministry Experience or Ministry Intensive

Pastoral Ministry Major for B.A. Degree Credit Hours 64

* Students not considering ministry in the Church of the Nazarene can take an alternative elective.

PHILOSOPHY MAJOR

Upon successful completion of the philosophy major, students will be able to

- understand the method and subject matter of philosophy.
- develop the habit of accurate and consistent thinking.
- learn what and how to question.
- evaluate life to determine its worth and meaning in the light of philosophical, scientific, and religious perspectives.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRTH 1113</td>
<td>Introduction to Ministry</td>
<td>3</td>
</tr>
<tr>
<td>CHS 3113</td>
<td>Introduction to Church History</td>
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<tr>
<td>CHS 4303</td>
<td>Special Topics in Church History</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 3113</td>
<td>History of Modern Philosophy</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Second Gen Ed Course (either OTL&amp;L or NTL&amp;L)</td>
<td>3</td>
</tr>
<tr>
<td>B LT 2163</td>
<td>Methods in Biblical Study</td>
<td>3</td>
</tr>
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<td></td>
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<td>Old Testament Theology</td>
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<td>THEO 3123</td>
<td>New Testament Theology</td>
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</tr>
<tr>
<td>THEO 3133</td>
<td>Doctrine of Holiness</td>
<td>3</td>
</tr>
<tr>
<td>THEO 4111</td>
<td>Senior Colloquium</td>
<td>1</td>
</tr>
<tr>
<td>THEO 4133</td>
<td>Systematic Theology I</td>
<td>3</td>
</tr>
<tr>
<td>THEO 4143</td>
<td>Systematic Theology II</td>
<td>3</td>
</tr>
</tbody>
</table>

Biblical Literature Courses

Choose one Old Testament exegesis elective from the following:

- B LT 3113 Pentateuchal Narratives
- B LT 3123 Historical Books: The Former Prophets
Choose one New Testament exegesis elective course from the following:
- B LT 3243 Matthew and Mark
- B LT 3253 Pauline Epistles
- B LT 4173 Johannine Literature
- B LT 4193 General Epistles and Revelation

 MISSIONS MAJOR

Upon successful completion of the missions major, students will be able to:

- mobilize believers for the task of fulfilling the Great Commission by
  - laying out the biblical foundations for evangelism and global mission.
  - describing the functioning of a local church missions mobilization group like NMI.
  - articulating the pastoral role in mentoring those who feel called to ministry.
  - explaining ways that local churches can marshal financial support for world evangelism.
  - expressing the importance of a local church’s prayer support for world evangelism efforts.
  - explaining the importance of involving children and youth in the great commission.
  - describing plans for running a mission education program in a local church.

- work and communicate in another culture or in multicultural contexts. Students will
  - have had a face-to-face contact and experience with persons of other world religions.
  - have had a ministry experience conducted in another culture.
  - have had some participation in Youth in Mission, Beyond the Beach, Commission unto Mexico, or some other mission opportunity.
  - have interned in a local church mission.
  - be able to express an awareness of the importance of gospel communication in a people’s heart language.

- devise solutions for the problems facing today’s global mission enterprise. Students will
  - demonstrate an ability to come up with effective solutions for problems posed in cross cultural case studies.
  - have had face-to-face encounters with missionaries that explain unique situations for global effectiveness in a variety of locations.
  - be able to articulate some ways they would respond to the challenges posed by globalization and the shifting of the center of gravity of Christianity away from the West.
  - be able to articulate a future for and project outcomes of societal trends.
<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>THEO 3133</td>
<td>Doctrine of Holiness</td>
<td>3</td>
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<td>Senior Colloquium</td>
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<td>THEO 4133</td>
<td>Systematic Theology I</td>
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<td>THEO 4143</td>
<td>Systematic Theology II</td>
<td>3</td>
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<td>C HS 3113</td>
<td>Introduction to Church History</td>
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<td>C HS 4303</td>
<td>Special Topics in Church History</td>
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<td>History of Modern Philosophy</td>
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<td>B LT 2163</td>
<td>Methods in Biblical Study</td>
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<td>Upper division OT course and upper division NT course</td>
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</table>

**Biblical Literature Core Courses**

*Choose one Old Testament exegesis elective from the following:*

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>B LT 3113</td>
<td>Pentateuchal Narratives</td>
<td>3</td>
</tr>
<tr>
<td>B LT 3123</td>
<td>Historical Books: The Former Prophets</td>
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</tr>
<tr>
<td>B LT 4123</td>
<td>Eighth and Seventh Century Prophets</td>
<td>3</td>
</tr>
<tr>
<td>B LT 4213</td>
<td>Poetic and Wisdom Literature</td>
<td>3</td>
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*Choose one New Testament exegesis elective course from the following:*

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<tr>
<th>Course Number</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>B LT 3243</td>
<td>Matthew and Mark</td>
<td>3</td>
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<tr>
<td>B LT 3253</td>
<td>Pauline Epistles</td>
<td>3</td>
</tr>
<tr>
<td>B LT 4173</td>
<td>Johannine Literature</td>
<td>3</td>
</tr>
<tr>
<td>B LT 4193</td>
<td>General Epistles and Revelation</td>
<td>3</td>
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</table>

**Missions Courses**

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>MISS 2113</td>
<td>Introduction to Christian Missions</td>
<td>3</td>
</tr>
<tr>
<td>MISS 2133</td>
<td>Nazarene Missions</td>
<td>3</td>
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<tr>
<td>MISS 4163</td>
<td>Theology of Christian Missions</td>
<td>3</td>
</tr>
<tr>
<td>MISS 4183</td>
<td>Cultural Anthropology</td>
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<td>MISS XXXX</td>
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**Missions Major Credit Hours**

67

**THEOLOGY MAJOR**

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<td>Doctrine of Holiness</td>
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<td>Senior Colloquium</td>
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<td>THEO 4143</td>
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<td>CHS 3113</td>
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<td>CHS 4303</td>
<td>Special Topics in Church History</td>
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<td>PHIL 3113</td>
<td>History of Modern Philosophy</td>
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<td>B LT 2163</td>
<td>Methods in Biblical Study</td>
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<td>Upper division OT course and upper division NT course</td>
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</table>

**Biblical Literature Core Courses**

*Choose one Old Testament exegesis elective from the following:*

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>B LT 3113</td>
<td>Pentateuchal Narratives</td>
<td>3</td>
</tr>
<tr>
<td>B LT 3123</td>
<td>Historical Books: The Former Prophets</td>
<td>3</td>
</tr>
</tbody>
</table>
Choose one New Testament exegesis elective course from the following:
B LT 3243 Matthew and Mark 3
B LT 3253 Pauline Epistles 3
B LT 4173 Johannine Literature 3
B LT 4193 General Epistles and Revelation 3

School Majors for B.S. Degrees
The B.S. in Theology is designed for students who choose this option over the B.A. in Theology concentration. Since this program does not include a requirement in foreign language, approval must be obtained from the chair of the School of Theology and Ministry by the end of the student’s sophomore year.

All B.S. degree programs require three credit hours of philosophy beyond a General Education philosophy course History of Modern Philosophy (PHIL 3113) is required.

PASTORAL MINISTRY MAJOR
See the course requirements listed under the School Majors for B.A. Degree. For the B.S. degree, the language credit hours are not required. The Theology concentration for the B.S. degree is certified by the Church of the Nazarene as meeting all requirements of the Ministerial Course of Study for the Elder Track.

YOUTH MINISTRY MAJOR
Upon successful completion of the Youth Ministry degree program, students will be able to -
• understand youth cultures and the skills necessary to lead youth groups.
• cultivate a love and passion for Kingdom advancement with an eye toward preparing youth for their present and future leadership roles in the local church.
• acquire communication and leadership skills necessary for developing viable youth outreach and discipleship ministries within the local church in harmony with the overall vision of the church.

Course Number  Course Title  Credit Hours

Theology Core Courses
PRTH 1113  Introduction to Ministry  3
THEO 3113  Old Testament Theology  3
THEO 3123  New Testament Theology  3
THEO 3133  Doctrine of Holiness  3
THEO 4111  Senior Colloquium  1
THEO 4133  Systematic Theology I  3
THEO 4143  Systematic Theology II  3
CHS 3113  Introduction to Church History  3
CHS 4303  Special Topics in Church History  3
PHIL 3113  History of Modern Philosophy  3
Second Gen Ed course (either OTL&L or NTL&L)  3
B LT 2163  Methods in Biblical Study  3
Upper division OT course and upper division NT course  6
Biblical Literature Core Courses

Choose one Old Testament exegesis elective from the following:
B LT 3113 Pentateuchal Narratives 3
B LT 3123 Historical Books: The Former Prophets 3
B LT 4123 Eighth and Seventh Century Prophets 3
B LT 4213 Poetic and Wisdom Literature 3

Choose one New Testament exegesis elective course from the following:
B LT 3243 Matthew and Mark 3
B LT 3253 Pauline Epistles 3
B LT 4173 Johannine Literature 3
B LT 4193 General Epistles and Revelation 3

Other Required Courses
C ED 2123 Foundations of Christian Education 3
C ED 2173 Psychology of Children and Youth 3
C ED 3193 Family Ministries in the Local Church 3
C ED 4123 Life Span Ministries 3
C ED 4133 Survey of Youth Ministry 3
C ED 4183 or 4383 Ministry Experience or Ministry Intensive 3

Electives
Choose three from the following
C ED 4153 Multiple Staff Ministry 3
PRTH 3153 Ministry in Multicultural Context 3
PRTH 4163 Pastoral Leadership and Team Building 3
C ED 4173 Crisis Ministry: Advocacy and Intervention 3

Youth Ministry Major Credit Hours 73

School Multidisciplinary Majors

THEOLOGY MULTIDISCIPLINARY MAJOR

To pursue this option, a student develops a program of at least 60 credit hours in courses related to a declared life objective and selected from more than one specified discipline. A multi-disciplinary major with theology as the chief component requires the following courses:

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRTH 1113</td>
<td>Introduction to Ministry</td>
<td>3</td>
</tr>
<tr>
<td>B LT 3XXX/4XXX</td>
<td>Upper division Old Testament exegesis course</td>
<td>3</td>
</tr>
<tr>
<td>B LT 3XXX/4XXX</td>
<td>Upper division New Testament exegesis course</td>
<td>3</td>
</tr>
<tr>
<td>THEO 3113 or 3123</td>
<td>Old Testament Theology or New Testament Theology</td>
<td>3</td>
</tr>
<tr>
<td>THEO 3133</td>
<td>Doctrine of Holiness</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 3XXX/4XXX</td>
<td>Upper division philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 3113</td>
<td>History of Modern Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>THEO 4111</td>
<td>Senior Colloquium</td>
<td>1</td>
</tr>
<tr>
<td>Foreign or ancient language</td>
<td></td>
<td>6</td>
</tr>
</tbody>
</table>

Choose two of the following
C HS 3123 Church History I 3
C HS 3133 Church History II 3
THEO 4133 Systematic Theology I 3
THEO 4143 Systematic Theology II 3
In addition to the above specified courses, the student must complete a minimum of 20 credit hours in a second designated academic area at SNU and have a total program concentration of no less than 60 credit hours.

**School Minors**

Seven options are available to students wishing to pursue a minor in one of the theology and ministry areas. Each option requires completion of a minimum of 18-21 credit hours.

### THEOLOGY MINOR

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEO 3113</td>
<td>Old Testament Theology</td>
<td>3</td>
</tr>
<tr>
<td>THEO 3123</td>
<td>New Testament Theology</td>
<td>3</td>
</tr>
<tr>
<td>THEO 3133</td>
<td>Doctrine of Holiness</td>
<td>3</td>
</tr>
<tr>
<td>PRTH 1113</td>
<td>Introduction to Ministry</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Six credit hours of upper-division School of Theology and Ministry electives</td>
<td>6</td>
</tr>
</tbody>
</table>

**Theology Minor Credit Hours**  18

### BIBLICAL LANGUAGES MINOR

Eighteen credit hours in either Greek (GK) or Hebrew (HB) or a combination of both languages.

### CHILDREN’S MINISTRY MINOR

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>C ED 2173</td>
<td>Psychology of Children and Youth</td>
<td>3</td>
</tr>
<tr>
<td>C ED 3173</td>
<td>Survey of Children's Ministry</td>
<td>3</td>
</tr>
<tr>
<td>C ED 4123</td>
<td>Lifespan Ministries</td>
<td>3</td>
</tr>
<tr>
<td>CED4153 or CED 2123</td>
<td>Multiple Staff Ministry or Foundation of Christian Ed</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>2nd General Education Bible</td>
<td>3</td>
</tr>
<tr>
<td>Choose two of the following recommended options</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C ED 3193</td>
<td>Family Ministry in Local Church</td>
<td>3</td>
</tr>
<tr>
<td>PRTH 1113</td>
<td>Introduction to Ministry</td>
<td>3</td>
</tr>
<tr>
<td>PRTH 4143</td>
<td>Pastoral Care and Counseling</td>
<td>3</td>
</tr>
</tbody>
</table>

**Children’s Ministry Minor Credit Hours**  21

### CROSS-CULTURAL MINISTRY MINOR

Eighteen credit hours in Missions (MISS) or missions-related courses. Nine credit hours must be upper-division courses which may be taken in the School of Theology and Ministry or in an approved cross-cultural, study-abroad program.

### YOUTH MINISTRY MINOR

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>C ED 2173</td>
<td>Psychology of Children and Youth</td>
<td>3</td>
</tr>
<tr>
<td>C ED 4133</td>
<td>Survey of Youth Ministry</td>
<td>3</td>
</tr>
<tr>
<td>C ED 4153</td>
<td>Multiple Staff Ministry</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>2nd General Education Bible</td>
<td>3</td>
</tr>
<tr>
<td>Choose three of the following recommended options</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C ED 2123</td>
<td>Foundations of Christian Education</td>
<td>3</td>
</tr>
<tr>
<td>C ED 3193</td>
<td>Family Ministry in Local Church</td>
<td>3</td>
</tr>
<tr>
<td>C ED 4123</td>
<td>Life Span Ministries</td>
<td>3</td>
</tr>
<tr>
<td>C ED 3153</td>
<td>Christian Education in Multicultural Context</td>
<td>3</td>
</tr>
</tbody>
</table>

**Youth Ministry Minor Credit Hours**
PRTH 4163 Pastoral Leadership 3
C ED 4173 Crisis Ministry 3

**Youth Ministry Minor Credit Hours** 21

**URBAN MINISTRY MINOR**

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>C ED 2123</td>
<td>Foundations of Christian Education</td>
<td>3</td>
</tr>
<tr>
<td>C ED 3153</td>
<td>Christian Education in Multi-cultural Context</td>
<td>3</td>
</tr>
<tr>
<td>C ED 4173</td>
<td>Crisis Ministry</td>
<td>3</td>
</tr>
</tbody>
</table>

*Choose four of the following recommended options*

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 4383</td>
<td>Social Stratification</td>
<td>3</td>
</tr>
<tr>
<td>PSY 4103</td>
<td>Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 4213</td>
<td>Principles of Counseling</td>
<td>3</td>
</tr>
<tr>
<td>PRTH 1113</td>
<td>Introduction to Ministry</td>
<td>3</td>
</tr>
<tr>
<td>PRTH 4143</td>
<td>Pastoral Care and Counseling</td>
<td>3</td>
</tr>
<tr>
<td>MISS 4213</td>
<td>Communication Conflict Management</td>
<td>3</td>
</tr>
</tbody>
</table>

**Urban Ministry Minor Credit Hours** 21

* These elective credit hours may be taken in the School of Theology and Ministry or in an approved study-abroad, urban studies program.

**PHILOSOPHY MINOR**

A philosophy minor requires 15 credit hours of philosophy (PHIL) courses selected in consultation with the professor of philosophy and/or the chair of the School of Theology and Ministry.

**School Preprofessional Program**

**PRE-SEMINARY**

Admission to a theological seminary normally calls for graduation from college with a bachelor's degree. Students who expect to enter seminary after graduating from college should develop a background of literature, history, languages, philosophy, and social sciences in their degree program. Students graduating with the M.A. degree will be granted advanced standing at the Nazarene Theological Seminary. The Nazarene Theological Seminary conforms to the Association of Theological Schools in its admissions policies.
COLLEGE OF NATURAL, SOCIAL AND HEALTH SCIENCES

Mark Winslow, Ph.D., Professor/Dean, College of Natural, Social and Behavioral Sciences (Fall 2004)
B.S., Greenville College
M.S., University of Kansas
Ph.D., Kansas State University

DIVISION OF SCIENCE AND MATHEMATICS

- Department of Biology
- Department of Chemistry
- Department of Computer Science/Network Engineering
- Department of Mathematics
- Department of Physics

DEPARTMENT OF BIOLOGY

Departmental Objectives

GENERAL OBJECTIVES
- To share in accomplishing the mission of SNU.
- To train students to employ the methods of science in developing thorough habits of thinking.
- To provide students with a better understanding of themselves and their place in the world, thereby helping them to make effective adjustments to the demands of life.
- To help students develop an appreciation for beauty and complexity in the biological domain of the cosmos, brought into being by the Creator and upheld by his hand.
- To help students develop a satisfying integration of mainstream biological science with Wesleyan theology and plenary inspiration of the Scriptures as articulated by the Church of the Nazarene.

PROFESSIONAL OBJECTIVES
- To provide pre-professional training for students planning to enter fields of medicine, dentistry, physical therapy, occupational therapy, medical technology, and other health related vocations.
- To provide professional and pre-professional training for students preparing for careers in the environmental sciences.
- To equip the prospective teacher of biology with a foundational understanding of the field.

Departmental Full-time Faculty

Caroline Bentley, Ph.D., Associate Professor (Fall 2008)
B.S., Oral Roberts University
M.A., College of William and Mary
Ph.D., University of Washington

Jeffrey Griffitts, Ph.D., Assistant Professor (Fall 2010)
B.S., East Central University
Ph.D., University of Oklahoma Health Sciences Center

Wesley H. Hanson, Ph.D., Professor/Chair (Fall 1999)
B.A., Bemidji State College
Ph.D., University of North Dakota
Postdoctoral Study, Madison VA Hospital-University of Wisconsin
Postdoctoral Study, Human Nutrition Laboratory, ND
Departmental Majors

BIOLOGY MAJOR

A biology major requires at least 32 credit hours in biology including biology core requirements and at least one outdoor field course. Only three credit hours of research (BIOL 2321-2 and BIOL 4182-3) may be used towards the credit-hour total. Supporting coursework in chemistry (CHEM 1124 and above), physics, and mathematics (MATH 1513 or higher) can be taken. Calculus is strongly recommended.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1314</td>
<td>Organismal Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 1324</td>
<td>Cells and Systems</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 2124</td>
<td>Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 3124</td>
<td>Genetics</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 3193</td>
<td>Origins</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 3263</td>
<td>Cell and Molecular Biology</td>
<td>3</td>
</tr>
<tr>
<td>Any field course</td>
<td></td>
<td>1-4</td>
</tr>
<tr>
<td>BIOL XXXX</td>
<td>Additional biology electives</td>
<td>9-12</td>
</tr>
<tr>
<td>CHEM XXXX</td>
<td>Chemistry electives</td>
<td>8</td>
</tr>
<tr>
<td>PHYS XXXX</td>
<td>Physics electives</td>
<td>4</td>
</tr>
<tr>
<td>MATH XXX3</td>
<td>Mathematics elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Biology Major Credit Hours 48

BIOLOGY-CHEMISTRY MAJOR

The biology-chemistry major is designed for preparation of pre-medical students as well as for those with career goals such as biochemistry, molecular or cell biology, microbiology, molecular genetics, pharmacology, toxicology, and medicinal chemistry. It combines 25 chemistry credit hours with 29 from biology for a total program of 54 credit hours.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1314</td>
<td>Organismal Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 1324</td>
<td>Cells and Systems</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 2124</td>
<td>Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 3124</td>
<td>Genetics</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 3193</td>
<td>Origins</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 3263</td>
<td>Cell and Molecular Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 4391</td>
<td>Molecular Biology Lab</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 3XXX-4XXX</td>
<td>BIOL 3000 or 4000 level courses for six credit hours</td>
<td>6</td>
</tr>
<tr>
<td>CHEM 1124 and 1224</td>
<td>General Chemistry I and II</td>
<td>4/4</td>
</tr>
<tr>
<td>CHEM 3114 and 3125</td>
<td>Organic Chemistry I and II</td>
<td>4/5</td>
</tr>
<tr>
<td>CHEM 3133</td>
<td>Biochemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 4191</td>
<td>Chemistry Seminar</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 3024 or 4114</td>
<td>Analytical Chemistry I or Physical Chemistry</td>
<td>4</td>
</tr>
</tbody>
</table>

Biology-Chemistry Major Credit Hours 54

Other Courses Strongly Recommended

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 1114 /1214</td>
<td>General Physics I and II</td>
<td>4/4</td>
</tr>
<tr>
<td>PHYS 2114/2214</td>
<td>General Physics for Scientists and Engineers I and II</td>
<td>4/4</td>
</tr>
<tr>
<td>MATH 2324</td>
<td>Calculus I</td>
<td>4</td>
</tr>
</tbody>
</table>

Additional courses in biology (BIOL) and chemistry (CHEM)

ENVIRONMENTAL STUDIES MAJOR

The Environmental Science major is designed to expose and educate the student to global scientific problems and solutions as they relate to the human environment and the call to Christian stewardship of God’s resources. It will enable the student to enter fields, directly or through graduate education, such as environmental chemistry,
environmental physics, environmental management, environmental analysis, tropical biology, conservation biology and many other environmental related disciplines. The program requirements are as follows:

### Biology Courses

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1314</td>
<td>Organismal Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 1324</td>
<td>Cells and Systems</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 2124</td>
<td>Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 3124</td>
<td>Genetics</td>
<td>4</td>
</tr>
<tr>
<td><strong>Total Biology Core Course Credits</strong></td>
<td></td>
<td><strong>16</strong></td>
</tr>
<tr>
<td><strong>Field biology courses</strong></td>
<td></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

### Other Courses

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1124 and 1224</td>
<td>General Chemistry I and II</td>
<td>4/4</td>
</tr>
<tr>
<td>CHEM 3114</td>
<td>Organic Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 3154</td>
<td>General Ecology</td>
<td>4</td>
</tr>
</tbody>
</table>

**Environmental Studies Major Credit Hours**: 48

Other courses strongly recommended:

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 1114</td>
<td>General Physics I</td>
<td>4</td>
</tr>
<tr>
<td>STAT 3143</td>
<td>Statistical Methods</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 3024</td>
<td>Analytical Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 3133</td>
<td>Biochemistry</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 3263</td>
<td>Cell and Molecular</td>
<td>4</td>
</tr>
</tbody>
</table>

*The field biology courses requirement can be satisfied with one semester at the SNU Quetzal Educational Research Center (QERC) in Costa Rica (up to 8 credits) with two additional environmental field courses offered through Au Sable or SNU. Alternatively, the field biology course requirement can be satisfied solely through courses offered by Au Sable and SNU.

Other SNU offered environmental course options:

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1013</td>
<td>Environmental Sustainability</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 3182</td>
<td>Environmental Monitoring (QERC)</td>
<td>2</td>
</tr>
<tr>
<td>BIOL 3105</td>
<td>Tropical Ecology (QERC)</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 4003</td>
<td>Tropical Field Research (QERC)</td>
<td>3</td>
</tr>
<tr>
<td>HP 4303</td>
<td>American Environmental History</td>
<td>3</td>
</tr>
</tbody>
</table>

### Departmental Minor

**Biology Minor**

All students desiring a minor in biology will complete General Biology I and II (BIOL 1314 and 1324), and additional credits in biology to total 18 credits. One outdoor field course is required.

### Departmental Special Program

**Tropical Studies Semester Program**

The Tropical Studies Program at the Quetzal Education Research Center involves travel to San Gerardo de Dota, Costa Rica and seeks to promote biodiversity, conservation and sustainability in global and local communities. The program’s courses are designed to integrate the study of culture, ecology conservation and stewardship through field research of tropical Latin America. All students in the program will complete 16 credit hours.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>QERC/BIOL 3105</td>
<td>Tropical Ecology and Sustainability</td>
<td>5</td>
</tr>
<tr>
<td>QERC/BIOL 4003</td>
<td>Tropical Field Research</td>
<td>3</td>
</tr>
<tr>
<td>QERC/THEO 3263</td>
<td>Biblical Theology and Global Stewardship</td>
<td>3</td>
</tr>
<tr>
<td>QERC/SPAN 3333</td>
<td>Applied Cultural Integration: Hispanic Area Studies</td>
<td>3</td>
</tr>
<tr>
<td><strong>Elective Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Choose one two-credit hour course below</td>
<td></td>
<td></td>
</tr>
<tr>
<td>QERC/BIOL 3182</td>
<td>Environmental Monitoring</td>
<td>2</td>
</tr>
<tr>
<td>QERC/BIOL 3182</td>
<td>Tropical Medicine</td>
<td>2</td>
</tr>
</tbody>
</table>

**Tropical Studies Program Credit Hours** 16
DEPARTMENT OF CHEMISTRY

Departmental Mission
The mission of the Chemistry Department at Southern Nazarene University is to provide an excellent education in chemistry within the framework of a liberal arts tradition. Since chemistry is a laboratory science, we provide modern instruments that allow a careful study of chemical materials. We emphasize the responsible use of chemical knowledge to solve significant problems related to energy, natural resources, new materials, and human disease. We seek to prepare our students for various careers opportunities including chemical education, medicine and industry.

Departmental Objectives
- To understand and articulate the quantitative relationships that exist between materials involved in chemical changes.
- To gain “hands on” operational and interpretive experience with the laboratory equipment used in modern chemistry laboratories.
- To understand and articulate how a chemist asks, and answers questions related to natural world.
- To understand and articulate the responsibilities the chemist has to their world.
- To understand and articulate the atomic and structural viewpoint of nature.
- To understand and articulate the relationship of chemistry to the other scientific disciplines.
- To aid the student in understanding and articulating that there is not disagreement between the ethical pursuit of truth through modern science and the life of faith in Christ.

Departmental Full-time Faculty
Lisa Crow, Ph.D., Assistant Professor/Chair (Spring 2008)
  B.A., Greenville College
  M.S., University of Oklahoma
  Ph.D., University of Oklahoma

Shawna York, Ph.D., Professor, Department of Chemistry (Fall 2012)
  B.S., Southern Nazarene University
  M.S., University of Oklahoma
  Ph.D., University of Oklahoma

Departmental Programs
The Department of Chemistry offers two major program options; one combines work in chemistry with courses in biology to prepare students for a variety of scientific pursuits, while the other focuses on preparation in chemistry.

CHEMISTRY MAJOR
The chemistry major consists of at least 32 credit hours for a B.S. in the department.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1124 and 1224</td>
<td>General Chemistry I and General Chemistry II</td>
<td>4/4</td>
</tr>
<tr>
<td>CHEM 3024</td>
<td>Analytical Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 3114 and 3125</td>
<td>Organic Chemistry I and II</td>
<td>4/5</td>
</tr>
<tr>
<td>CHEM 4114</td>
<td>Physical Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 4191</td>
<td>Seminar in Chemistry</td>
<td>2</td>
</tr>
<tr>
<td>CHEM XXXX</td>
<td>Chemistry Electives</td>
<td>5</td>
</tr>
<tr>
<td><strong>Chemistry Major Credit Hours</strong></td>
<td></td>
<td><strong>32</strong></td>
</tr>
</tbody>
</table>

Courses strongly recommended for students planning to enter graduate programs in chemistry are:

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 3133</td>
<td>Biochemistry</td>
<td>3</td>
</tr>
</tbody>
</table>
They should also consider the following courses from supporting areas:

**Mathematics**: completion of the Calculus sequence and MATH 3113 Differential Equations

**Computer Science**: Introduction to CSNE 2443 Computer Science I and CSNE 2543 Computer Science II

**Biology**: BIOL 1324 Cells and Systems, BIOL 3263 Cell and Molecular Biology and BIOL 3124 Genetics

### BIOLOGY-CHEMISTRY MAJOR

See the Department of Biology

### Departmental Minor

#### CHEMISTRY MINOR

The following courses (15-16 credit hours) are required to complete a minor in chemistry.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1124</td>
<td>General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1224</td>
<td>General Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 3114</td>
<td>Organic Chemistry I</td>
<td>4</td>
</tr>
</tbody>
</table>

*Choose one of the following*

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 3024 and 3253</td>
<td>Analytical Chemistry I and II</td>
<td>4/3</td>
</tr>
<tr>
<td>CHEM 4114</td>
<td>Physical Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 4133</td>
<td>Advanced Inorganic Chemistry</td>
<td>3</td>
</tr>
</tbody>
</table>

**Chemistry Minor Credit Hours**: 15-16

---

### DEPARTMENT OF COMPUTER SCIENCE/NETWORK ENGINEERING

**Departmental Mission**

We are preparing students for success in the changing world of technology in the Department of Computer Science/Network Engineering (CS/NE) Southern Nazarene University.

**Departmental Full-time Faculty**

**Brent Eskridge, Ph.D., Associate Professor** (Fall 2004)

- B.S., Southern Nazarene University
- M.S., University of Oklahoma
- Ph.D., University of Oklahoma

**Jimmie D. Tabers, M.S., Associate Professor/Chair** (Fall 1980)

- B.A., Trevecca Nazarene College
- M.S., University of Oklahoma
- CNI, Novell Certification
- MCT, Microsoft Certification
- CCNA, Cisco Systems Certification
- CISSP, International Information Systems Security Certification Consortium
Departmental Majors

As computer-related careers remain in demand, CS/NE department strives to remain current with the latest equipment and programs. The CS/NE department currently offers four traditional degree tracks.

COMPUTER SCIENCE MAJOR

This major is heavily oriented toward scientific programming and research in computers. The student should have a strong background in mathematics and science to enter this program. The major consists of the required courses listed in this section.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSNE 2443</td>
<td>Introduction to Computer Science I</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 2543</td>
<td>Introduction to Computer Science II</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 2713</td>
<td>Network Technologies</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 2923</td>
<td>Data Structures</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 3213</td>
<td>Computer Architecture</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 4233</td>
<td>Operating Systems</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 4243</td>
<td>Database Systems</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 4313</td>
<td>Algorithm Analysis</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 4323</td>
<td>Software Engineering</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 4443</td>
<td>Computer Science Practicum</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives (choose from the following list of courses for a total of 15 credit hours)

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSNE 3193</td>
<td>Seminar: Programming Language</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 3943</td>
<td>Computer Graphics</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 3953</td>
<td>Object-Oriented Analysis and Design</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 4183</td>
<td>Computer Science Seminar</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 4513</td>
<td>Machine Learning</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 4533</td>
<td>Artificial Intelligence</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3013</td>
<td>Discrete Math</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3133</td>
<td>Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3143</td>
<td>Probability and Stat I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3153</td>
<td>Probability and Stat II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 2114</td>
<td>General Physics I for Scientists and Engineers</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 2214</td>
<td>General Physics II for Scientists and Engineers</td>
<td>4</td>
</tr>
</tbody>
</table>

Computer Science Major Credit Hours 45

MANAGEMENT INFORMATION SYSTEMS MAJOR

This major is intended for those who want to enter the area of business information systems programming and systems analysis.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSNE 2443</td>
<td>Introduction to Computer Science I</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 2543</td>
<td>Introduction to Computer Science II</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 2713</td>
<td>Network Technologies</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 2923</td>
<td>Data Structures</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 3193</td>
<td>Seminar: Programming Language</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 3213</td>
<td>Computer Architecture</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 4133</td>
<td>Management Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 4243</td>
<td>Database Systems</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 4323</td>
<td>Software Engineering</td>
<td>3</td>
</tr>
</tbody>
</table>
NETWORK ENGINEERING MAJOR
This major is intended for those with two primary interests in studying computers. The first focuses on growing interest in local area and wide area networks. This degree teaches the student broad-based skills to enter this area of computer networks. This degree also provides an alternative for students not wanting to be a computer programmer, yet desiring an opportunity to develop skills in a highly specialized area of computers/applications. Note: most classes have a nonrefundable fee.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSNE 2443</td>
<td>Introduction to Computer Science I</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 2713</td>
<td>Network Technologies</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 2813</td>
<td>Network Service and Support</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 3413</td>
<td>Windows Networking I</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 3673</td>
<td>Network Administration I</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 3683</td>
<td>Network Administration II</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 3713</td>
<td>Computer Forensics</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 3813</td>
<td>Windows Networking II</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 3913</td>
<td>Routers and Switches I</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 3923</td>
<td>Routers and Switches II</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 4113</td>
<td>Windows Networking III</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 4123</td>
<td>Windows Networking IV</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 4213</td>
<td>Windows Networking V</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 4233</td>
<td>Network Security I</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 4243</td>
<td>Database Systems</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 4333</td>
<td>Network Security II</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>Choose electives totaling 12 credit hours</td>
<td>12</td>
</tr>
</tbody>
</table>

Network Engineering Major Credit Hours 60

SOFTWARE DEVELOPMENT
This major is includes an overview of computer science, software engineering, data structures and several programming languages. After completing the program students should be able to:
- develop a breadth of knowledge in various areas of software development including databases, object-oriented programming, and Web development.
- develop a strong background in an area of emphasis outside the field of computer science to which software development can be applied.
- effectively apply software development best practices and tools.
- anticipate areas of change in needed software and design appropriately.
- complete a challenging software development project or industry internship.
- collaborate effectively in small software development teams.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSNE 2443</td>
<td>Introduction to Computer Science I</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 2543</td>
<td>Introduction to Computer Science II</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 2923</td>
<td>Data Structures</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 3193</td>
<td>Programming Languages (two semesters)</td>
<td>6</td>
</tr>
<tr>
<td>CSNE 3953</td>
<td>Object-oriented Analysis &amp; Design</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 4243</td>
<td>Database Systems</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 4323</td>
<td>Software Engineering</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 4353</td>
<td>Server-based Software Development</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 4443</td>
<td>Computer Science Practicum (two semesters)</td>
<td>6</td>
</tr>
<tr>
<td>Electives</td>
<td>At least 20 credit hours outside of CSNE</td>
<td>20+</td>
</tr>
</tbody>
</table>

Software Development Major Credit Hours: 53+

**DEPARTMENT OF MATHEMATICS**

*Departmental Objectives*
- To help the student to develop an understanding of the nature and spirit of mathematics: its cultural aspects, its relation to the sciences, philosophy and other liberal arts.
- To help the prospective mathematician to secure adequate foundation for later work in teaching, applied mathematics, research or in further study on the graduate level.
- To help prospective instructors of mathematics bridge whatever gap may exist between the content and spirit of their mathematical backgrounds and that of the courses they may teach.

*Departmental Full-time Faculty*

**Virgil Lee Turner, Ph.D., Professor/Chair** (Fall 1978)
- B.A., Olivet Nazarene University
- M.S., University of Iowa
- Graduate Study, Georgia Institute of Technology
- Ph.D., University of Oklahoma

**Nicholas Zoller, Ph.D., Assistant Professor** (Fall 2009)
- B.A., Messiah College
- M.S., Lehigh University
- Ph.D., Lehigh University

*Departmental Major*

**MATHEMATICS MAJOR**

Students majoring in mathematics can earn a Bachelor of Science or Bachelor of Arts** degree. Both degree programs include the following required courses.
<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 2324</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 2424</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 2524</td>
<td>Calculus III</td>
<td>4</td>
</tr>
</tbody>
</table>

**Calculus Courses * **

**Electives**

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 3XX3</td>
<td>Choose eight MATH courses numbered above 3000</td>
<td>24</td>
</tr>
<tr>
<td>PHYS</td>
<td>At least two courses in physics recommended</td>
<td>6-8</td>
</tr>
<tr>
<td>CHEM</td>
<td>At least two courses in chemistry recommended</td>
<td>6-8</td>
</tr>
</tbody>
</table>

**Capstone Courses**

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 3191</td>
<td>Junior Colloquium in Mathematics</td>
<td>1</td>
</tr>
<tr>
<td>MATH 4171</td>
<td>Mathematics Seminar</td>
<td>1</td>
</tr>
<tr>
<td>MATH 4191</td>
<td>Senior Research in Mathematics</td>
<td>1</td>
</tr>
</tbody>
</table>

**Mathematics Major Credit Hours for B.S. Degree**

51-55

* The entry point to the calculus sequence will depend upon the previous preparation.

** The Bachelor of Arts degree is also obtainable with additional degree requirements indicated for all Bachelor of Arts degree programs.

**Departmental Emphases**

Mathematics majors may also choose various emphases. The following are suggested courses for each.

**GRADUATE SCHOOL - MATH OR COGNATE AREA EMPHASIS**

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 2324</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 2424</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 2524</td>
<td>Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>MATH 3113</td>
<td>Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3133</td>
<td>Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3143</td>
<td>Probability and Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3191</td>
<td>Junior Colloquium in Mathematics</td>
<td>1</td>
</tr>
<tr>
<td>MATH 3213</td>
<td>Introduction of Analysis</td>
<td>3</td>
</tr>
<tr>
<td>MATH 4103</td>
<td>Introduction to Modern Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 4153</td>
<td>Complex Variables</td>
<td>3</td>
</tr>
<tr>
<td>MATH 4171</td>
<td>Mathematics Seminar</td>
<td>1</td>
</tr>
<tr>
<td>MATH 4191</td>
<td>Senior Research in Mathematics</td>
<td>1</td>
</tr>
<tr>
<td>MATH 3XXX</td>
<td>3000-level MATH electives totaling six credit hours</td>
<td>6</td>
</tr>
</tbody>
</table>

**Graduate School - Math or Cognate Area Emphasis Credit Hours**

39

**MATHEMATICS EDUCATION EMPHASIS**

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 2324</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 2424</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 2524</td>
<td>Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>MATH 3013</td>
<td>Discrete Mathematical Structures</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3133</td>
<td>Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3143</td>
<td>Probability and Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3191</td>
<td>Junior Colloquium in Mathematics</td>
<td>1</td>
</tr>
<tr>
<td>MATH 3223</td>
<td>History of Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 4013</td>
<td>Introduction to Modern Algebra</td>
<td>3</td>
</tr>
</tbody>
</table>
MATH 4123  
College Geometry I  
3

MATH 4133  
College Geometry II  
3

MATH 4171  
Mathematics Seminar  
1

MATH 4191  
Senior Research in Mathematics  
1

MATH 3XXX  
3000-level MATH electives totaling three credit hours  
3

Mathematics Teacher Education Emphasis Credit Hours  
39^  

^ See also Teacher Education for certification requirements.

STATISTICS/ACTUARIAL SCIENCE EMPHASIS

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 2324</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 2424</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 2524</td>
<td>Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>MATH 3013</td>
<td>Discrete Mathematical Structures</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3133</td>
<td>Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3143</td>
<td>Probability and Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3153</td>
<td>Probability and Statistics II</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3191</td>
<td>Junior Colloquium in Mathematics</td>
<td>1</td>
</tr>
<tr>
<td>MATH 4171</td>
<td>Mathematics Seminar</td>
<td>1</td>
</tr>
<tr>
<td>MATH 4191</td>
<td>Senior Research in Mathematics</td>
<td>1</td>
</tr>
<tr>
<td>MATH 3XXX</td>
<td>3000-level MATH electives totaling 12 credit hours</td>
<td>12</td>
</tr>
</tbody>
</table>

Statistics/Actuarial Science Emphasis Credit Hours  
39

Departmental Minor

MATHEMATICS MINOR

A minor in mathematics requires the completion of 17 credit hours numbered above MATH 2000 and must include Calculus III (MATH 2524).

DEPARTMENT OF PHYSICS

Departmental Objectives

- To equip the physics major for graduate school and a career in physics, and the many other professions to which the skills, knowledge, and insights of the physicist are transferable.
- To supplement the physics curriculum with extracurricular professional development experiences, including undergraduate research, participation in regional and national meetings, and other aspects of life in the physics community.
- To acquaint the student with the multiple career options that are available with the bachelor's degree in physics.
- To meet the needs of students in other majors who require some physics background.
- To encourage the study of physics as a liberal art, showing its aesthetic and philosophical qualities, its values and limitations, and its influence in the world of ideas.

Departmental Full-time Faculty

Dwight E. Neuenschwander, Ph.D., Professor/Chair (Fall 1986)  
B.S., University of Southern Colorado  
Ph.D., Arizona State University

Mark Winslow, Ph.D., Professor/Dean, College of Natural, Social and Behavioral Science (Fall 2004)  
B.S., Greenville College  
M.S., University of Kansas  
Ph.D., Kansas State University
## Departmental Majors

### PHYSICS MAJOR

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 2114</td>
<td>General Physics for Scientists and Engineers I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 2214</td>
<td>General Physics for Scientists and Engineers II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 3173</td>
<td>Waves and Optics*</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 3213</td>
<td>Quantum Mechanics I#</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 4123</td>
<td>Electricity and Magnetism I#</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 4133</td>
<td>Classical Mechanics I#</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 4151</td>
<td>Advanced Physics Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>PHYS 4181</td>
<td>Directed Research</td>
<td>1</td>
</tr>
<tr>
<td>PHYS 4213</td>
<td>Statistical Mechanics</td>
<td>3</td>
</tr>
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</table>

*Choose one of the following*

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>PHYS 3191</td>
<td>Selected Topics in Physics</td>
<td>1</td>
</tr>
<tr>
<td>PHYS 4311</td>
<td>General Relativity#</td>
<td>1</td>
</tr>
</tbody>
</table>

### Electives

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS XXXX</td>
<td>Six credit hours numbered above PHYS 2214*^</td>
<td>6</td>
</tr>
</tbody>
</table>

#### Physics Major Credit Hours

32

### Physics Major with Interdisciplinary Emphasis

#### BIOLOGICAL PHYSICS EMPHASIS

The intersection of physics and biology promises to be among the most fertile scientific frontiers of the 21st century. The development of positron emission tomography (PET) and magnetic resonance imaging (MRI) are only two among many recent applications of biological physics. SNU offers one of the few undergraduate programs in biological physics through its biological physics emphasis within the physics major. To pursue the biological physics emphasis, the student will take:

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 2114</td>
<td>General Physics for Scientists and Engineers I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 2214</td>
<td>General Physics for Scientists and Engineers II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 3173</td>
<td>Waves and Optics*</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 3213</td>
<td>Quantum Mechanics I#</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 4123</td>
<td>Electricity and Magnetism I#</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 4133</td>
<td>Classical Mechanics I#</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 4151</td>
<td>Advanced Physics Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>PHYS 4181</td>
<td>Directed Research</td>
<td>1</td>
</tr>
<tr>
<td>PHYS 4213</td>
<td>Statistical Mechanics</td>
<td>3</td>
</tr>
</tbody>
</table>

*Choose one of the following*

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 3191</td>
<td>Selected Topics in Physics</td>
<td>1</td>
</tr>
<tr>
<td>PHYS 4311</td>
<td>General Relativity#</td>
<td>1</td>
</tr>
</tbody>
</table>

### Other Physics Courses

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 3191-3</td>
<td>Selected Topics in Physics - Readings in Biological Physics</td>
<td>1-3</td>
</tr>
<tr>
<td>PHYS 2313</td>
<td>Introduction to Atomic and Nuclear Physics*^</td>
<td>3</td>
</tr>
</tbody>
</table>

### Biology Courses‡

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 2234</td>
<td>Human Physiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 3263</td>
<td>Cell and Molecular Biology</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Biological Physics Emphasis with Physics Major Credit Hours

37-39
If desired, the program may be further customized with emphasis in either: medical physics, cell and molecular physics, or environmental physics through additional selected electives from the Departments of Biology, Chemistry, Mathematics and Computer Science/Network Engineering.

NOTE: General Physics II (PHYS 2214) and Calculus III (MATH 2524) are prerequisites for most upper division physics courses.

* Quantum Mechanics I and II (PHYS 3213 and PHYS 3223), Electricity and Magnetism I and II (PHYS 4123 and PHYS 4223), Classical Mechanics I and II (PHYS 4133 and PHYS 4143), Waves and Optics (PHYS 3173), Statistical Mechanics (PHYS 4213), and General Relativity (PHYS 4311-2) are normally offered in alternate years, so advance planning to accommodate this sequence is important. Consult the current schedule of classes for specific information on these course offerings.

* Selected topics in Physics (PHYS 3191), Advanced Physics Laboratory (PHYS 4151), and Directed Research (PHYS 4181) may be repeated as part of this requirement.

^ Freshmen may be allowed to take Introduction to Atomic and Nuclear Physics (PHYS 2313) with advance consultation with the professor. Freshmen with strong mathematics backgrounds that include introductory calculus may take Calculus II (MATH 2424) and General Physics I and II (PHYS 2114 and PHYS 2214).

Multidisciplinary Physics Options
In addition to the 32-credit physics major course of study, physics majors typically earn a minor or second major in another field such as mathematics, computer science, chemistry, biology, environmental studies, or business. Such choices arise for diverse reasons, including graduate study in physics, graduate study in other fields that use physics (such as physical chemistry and radiology) or other forms of mathematical modeling (e.g., actuarial science), or to pursue engineering careers, which often develop into industrial management roles. Towards these ends, suggested courses may include but are not limited to the following:

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 3133</td>
<td>Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3143</td>
<td>Probability and Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 4113</td>
<td>Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>MATH 4153</td>
<td>Complex Variables</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 2443</td>
<td>Introduction to Computer Science I</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 2543</td>
<td>Introduction to Computer Science II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM/PHYS 4114</td>
<td>Physical Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 2234</td>
<td>Human Physiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 3263</td>
<td>Cell and Molecular Biology</td>
<td>3</td>
</tr>
<tr>
<td>BADM 1113</td>
<td>Ethics and Business Principles</td>
<td>3</td>
</tr>
<tr>
<td>MGT 2113</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Departmental Minor

PHYSICS MINOR
The physics minor consists of 11 credit hours of physics beyond General Physics I (PHYS 2214).

Departmental Associated Programs

PRE-ENGINEERING
Several options are available at SNU for students who wish to pursue a career in engineering.

Nationally and historically, about half of all physics bachelor’s degree recipients assume engineering positions upon graduation (American Institute of Physics, Statistics Division data). Thus the option of earning the bachelor’s degree in physics at SNU opens the door to engineering while creating other career options as well.

Alternatively, one may attend SNU for two years then transfer to a college of engineering at another institution offering an undergraduate engineering degree. A suggested two-year course of study at SNU
is outlined below. Students seeking degrees in electrical or mechanical engineering may participate in SNU’s cooperative program with Oklahoma Christian University (OC), near Edmond, Oklahoma, a 20-minute drive from SNU. The OC program is certified by the Accreditation Board for Engineering and Technology (ABET). In the SNU-OC cooperative program the student takes required general education courses at SNU and may remain in residence on the SNU campus. Academic scholarships awarded by SNU are recognized by OC. The engineering degree is awarded by OC.

Below is listed a typical four-semester curriculum.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGL 1113</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1124</td>
<td>General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 2324 or 2424</td>
<td>Calculus I or Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 2313</td>
<td>Introduction to Atomic and Nuclear Physics</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>General Education Courses</td>
<td>3</td>
</tr>
<tr>
<td><strong>Semester Credit Hours</strong></td>
<td></td>
<td><strong>16</strong></td>
</tr>
<tr>
<td><strong>Second Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGL 1213</td>
<td>Composition II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1224</td>
<td>General Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 2424 or 3164</td>
<td>Calculus II or Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>Electives</td>
<td>General Education Courses</td>
<td>3</td>
</tr>
<tr>
<td><strong>Semester Credit Hours</strong></td>
<td></td>
<td><strong>14</strong></td>
</tr>
<tr>
<td><strong>Third Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYS 2114</td>
<td>General Physics I for Scientists and Engineers</td>
<td>4</td>
</tr>
<tr>
<td>MATH XXXX</td>
<td>MATH elective</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 2443</td>
<td>Introduction to Computer Science I</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>General Education Courses</td>
<td>5</td>
</tr>
<tr>
<td><strong>Semester Credit Hours</strong></td>
<td></td>
<td><strong>15</strong></td>
</tr>
<tr>
<td><strong>Fourth Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYS 2214</td>
<td>General Physics II for Scientists and Engineers</td>
<td>4</td>
</tr>
<tr>
<td>CSNE 2543</td>
<td>Introduction to Computer Science II</td>
<td>3</td>
</tr>
<tr>
<td>MATH 2424</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>General Education Courses</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>Semester Credit Hours</strong></td>
<td></td>
<td><strong>15</strong></td>
</tr>
<tr>
<td><strong>Pre-engineering Program Credit Hours</strong></td>
<td></td>
<td><strong>61</strong></td>
</tr>
</tbody>
</table>

**DIVISION OF SOCIAL AND BEHAVIORAL SCIENCES**

*Department of History, Politics and Geography*
*Department of Psychology and Counseling*
*Department of Sociology*

**SOCIAL AND BEHAVIORAL SCIENCE DIVISIONAL MAJOR**

Twenty-four credit hours of courses above the freshman level plus 15 credit hours from the Department of Psychology & Counseling, the Department of Sociology, or the Department of History, Politics, and Geography.

**Departmental Objectives**

The Department of History, Politics and Geography offers programs of study that allow students to deepen and enhance their ability to:
• think critically.
• communicate effectively.
• engage in research utilizing appropriate methodologies.

HISTORY PROGRAMS
In the course of studying American, European, and World history, students in the history program practice thinking critically and communicating effectively by
• writing analytical and interpretative essays.
• writing research reports.
• making presentations and conversing effectively about important topics in the field.

Students learn research skills by
• identifying information relevant to historical research projects.
• evaluating information with regard to accuracy, authenticity, and authority.
• retrieving, recording and managing information for use in research and documentation.

SOCIAL STUDIES EDUCATION PROGRAM
Students in the Social Studies Education Program are provided with opportunities to obtain the knowledge and skills to achieve state certification and to effectively teach social studies.

Effective social studies teachers possess knowledge of culture and cultural diversity; time, continuity and change; people, places and environments; power, authority and governance; production, distribution and consumption; science, technology and society; global connections; civic ideals and practices; and interaction of individuals, groups and institutions.

Effective Social Studies education majors possess the knowledge and skills necessary to create effective learning in secondary education environments.

POLITICS AND LAW
In studying politics and law, students practice critical thinking and effective communication by
• writing book and article reviews.
• writing analytical and interpretative essays.
• writing research reports.
• making presentations and conversing effectively about important topics in the field.

Students practice research skills by
• identifying information relevant to the study of both domestic and international political systems.
• evaluating information with regard to accuracy, authenticity, and authority.
• retrieving, recording and managing information for use in research and documentation.
• practicing the skills of quantitative and qualitative research.

Students acquire a broad knowledge of
• civic ideals and practices.
• power, authority and governance.
• principles of political economy.
• global political systems.

Departmental Full-time Faculty
Heather Clemmer, Ph.D., Associate Professor/Chair, Director, General Education (Fall 2006)
  B.S., Southern Nazarene University
  B.A., Southern Nazarene University
  M.A., University of Oklahoma
  Ph.D., University of Oklahoma
Robert John Lively, Ph.D., Professor (Fall 1980)
B.A., Bethany Nazarene College
M.A., Bethany Nazarene College
Graduate Study, Oklahoma State University
Ph.D., University of Oklahoma

Dennis Williams, Ph.D., Professor/Dean, College of Teaching & Learning (Spring 1994)
B.A., Southern Nazarene University
M.A., Texas Tech University
Ph.D., Texas Tech University

Departmental Majors
Three majors are available through the Department of History, Politics and Geography. Completion of one of these degree programs enables students with good academic records to enter graduate study in history or cognate areas. In addition, the study of history provides students with scholarly abilities and habits, which are excellent preparation for such diverse careers as the military, church ministry, law, medicine, social service, business, civil service, politics and secondary or college teaching.

HISTORY MAJOR

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HP 1483</td>
<td>U.S. History I</td>
<td>3</td>
</tr>
<tr>
<td>HP 1493</td>
<td>U.S. History II</td>
<td>3</td>
</tr>
<tr>
<td>HP 2013</td>
<td>World Civilizations I</td>
<td>3</td>
</tr>
<tr>
<td>HP 1533</td>
<td>Modern World**</td>
<td>3</td>
</tr>
<tr>
<td>HP 2113</td>
<td>Historical Methods</td>
<td>3</td>
</tr>
<tr>
<td>HP 4393</td>
<td>Field Studies in History</td>
<td>3</td>
</tr>
<tr>
<td>HP 4912</td>
<td>Senior Project (repeated for four credit hours total)</td>
<td>4</td>
</tr>
<tr>
<td>Electives*</td>
<td>(as specified by the department)</td>
<td>24</td>
</tr>
</tbody>
</table>

History Major Credit Hours  
* As part of their elective credit hours, qualified students may elect to take advantage of one of the opportunities afforded by SNU’s participation in CCCU study abroad programs through which students may earn up to 16 credit hours for a semester study abroad experience.

POLITICS AND LAW MAJOR

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HP 1113</td>
<td>American Federal Government</td>
<td>3</td>
</tr>
<tr>
<td>HP 1483</td>
<td>U.S. History I</td>
<td>3</td>
</tr>
<tr>
<td>HP 1493</td>
<td>U.S. History II</td>
<td>3</td>
</tr>
<tr>
<td>HP 2013</td>
<td>World Civilizations I</td>
<td>3</td>
</tr>
<tr>
<td>HP 1533</td>
<td>Modern World**</td>
<td>3</td>
</tr>
<tr>
<td>HP 2123</td>
<td>Introduction to Political Studies</td>
<td>3</td>
</tr>
<tr>
<td>HP 3213</td>
<td>Political and Social Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>(as specified by the department)</td>
<td>27</td>
</tr>
</tbody>
</table>

Politics and Law Major Credit Hours  

Students intending to study law should take courses such as Introduction to Law (HP 2143), Constitutional Law (HP 4153), Business Law (BADM 3113), etc. Students in this track should plan to work in internships in either political or legal offices. Also recommended is at least one travel-study course and a serious consideration of taking advantage of the opportunities afforded by the SNU participation with CCCU study-abroad programs through which students may earn up to 16 credit hours for a semester study abroad experience.
SOCIAL STUDIES EDUCATION MAJOR

Students seeking professional certification in social studies education should consult the most recent copy of the Teacher Education Handbook for a complete discussion of certification requirements and their overall program of study. The following social studies courses are required for completion of the social studies education major:

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HP 1113</td>
<td>American Federal Government</td>
<td>3</td>
</tr>
<tr>
<td>HP 1483 and 1493</td>
<td>U.S. History I and U.S. History II</td>
<td>3/3</td>
</tr>
<tr>
<td>HP 2013</td>
<td>World Civilizations I</td>
<td>3</td>
</tr>
<tr>
<td>HP 1533</td>
<td>Modern World **</td>
<td>3</td>
</tr>
<tr>
<td>HP 2113</td>
<td>Historical Methods</td>
<td>3</td>
</tr>
<tr>
<td>HP 2503</td>
<td>World Regional Geography</td>
<td>3</td>
</tr>
<tr>
<td>HP 2123</td>
<td>Introduction to Political Science</td>
<td>3</td>
</tr>
<tr>
<td>HP 4363</td>
<td>Oklahoma History</td>
<td>3</td>
</tr>
<tr>
<td>SOC 1113</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2113 or 2123</td>
<td>Macroeconomics or Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>Non-HP Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>HP Electives *</td>
<td></td>
<td>9</td>
</tr>
</tbody>
</table>

Social Studies Education Major Credit Hours 45

* At least three credit hours are to be departmentally approved study-abroad or field study.

** Modern World (HP1533) is a required General Education Foundations course.

Cross-disciplinary Major

INTERNATIONAL STUDIES PROGRAM (ISP)

This cross-disciplinary degree program is comprised of 60 credit hours of courses above the freshman level as specified by the department, including courses in political science, modern languages, business and a required semester of international experience.

This program offers a multidisciplinary B.A. degree in business, political science and modern language and is designed to serve a variety of vocational areas, such as international business, international non-profit organizations, diplomacy, communications, travel, and international law.

REQUIREMENTS FOR ALL ISP MAJORS

INTERNATIONAL EXPERIENCE—In addition to the General Education requirements and the course requirements listed below, all ISP majors will be required to have the equivalent of a minimum of one semester of international experience which can be satisfied by participation in an international CCCU program or an approved ISP internship.

LANGUAGE PROFICIENCY—All ISP students must demonstrate proficiency at the intermediate level in a modern language other than English. Students whose native language is not English will be required to demonstrate proficiency in a modern language other than English or their native language. Proficiency can be demonstrated via the following:

- Complete a sequence of courses with a grade average of "B" or higher in the same modern language through the level that would be equivalent to Intermediate Spanish II or Intermediate French II at SNU (12 credit hours).
- Receive 12 credit hours in one modern language through the CLEP exam (equivalent to having completed language study through Intermediate II).
- Receive 12 credit hours in one modern language by achieving an intermediate high level on the ACTFL Oral Proficiency Interview (OPI).
AREA STUDIES COURSE—ISP students must take and pass Hispanic Area Studies (SPAN 3323) or Area Studies (G S 3323) in addition to the courses listed below.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 2113</td>
<td>Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2113</td>
<td>Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>FIN 3103</td>
<td>Business Finance</td>
<td>3</td>
</tr>
<tr>
<td>MGT 2113</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>MKT 2113</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>HP 2503</td>
<td>World Regional Geography *</td>
<td>3</td>
</tr>
<tr>
<td>HP 2123</td>
<td>Introduction to Political Science</td>
<td>3</td>
</tr>
<tr>
<td>HP 4113</td>
<td>International Relations</td>
<td>3</td>
</tr>
<tr>
<td>HP 4133</td>
<td>Comparative Government</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose one of the following

- HP 3433 Modern Europe
- HP 3993 Modern Middle East
- HP 4123 Modern East Asia
- HP 4173 Modern Latin America

ISP Core Course Credit Hours 30

* Must take this course in the sophomore year.

SPECIALIZATION REQUIREMENTS
Choose ONE of the following 15-credit hour emphases to complete the program.

BUSINESS SPANISH EMPHASIS

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP C 4233</td>
<td>Intercultural Communication</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 3423</td>
<td>Spanish Conversation and Composition</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 3453</td>
<td>Commercial Spanish</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4233</td>
<td>Special Studies: Advanced Topic in Business Spanish</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4473</td>
<td>Intensive Spanish Conversation and Composition</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: This course sequence and ISP internship also qualifies for a Certificate in Business Spanish.

ENGLISH AS A SECOND LANGUAGE EMPHASIS

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP C 4233</td>
<td>Intercultural Communication</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2123</td>
<td>Teaching ESL I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 4103</td>
<td>English Grammar II</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 4283</td>
<td>The English Language: History and Linguistics</td>
<td>3</td>
</tr>
</tbody>
</table>

LANGUAGE AND CULTURE EMPHASIS

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP C 4233</td>
<td>Intercultural Communication</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 4283</td>
<td>The English Language: History and Linguistics</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 3203</td>
<td>Special Studies: African-American Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 3323</td>
<td>Survey of World Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 3523</td>
<td>Latino Literature</td>
<td>3</td>
</tr>
<tr>
<td>HP 4173</td>
<td>Modern Latin America</td>
<td>3</td>
</tr>
<tr>
<td>MISS 4183</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 3103</td>
<td>Race and Ethnicity</td>
<td>3</td>
</tr>
<tr>
<td>Electives in selected language* and/or three from the following courses</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- ENGL 3203 Special Studies: African-American Literature 3
- ENGL 3323 Survey of World Literature 3
- ENGL 3523 Latino Literature 3
- HP 4173 Modern Latin America 3
- MISS 4183 Cultural Anthropology 3
- SOC 3103 Race and Ethnicity 3

* Electives in selected language include Courses 3023, 3213, 3223, 3313, 3413, 3513.
POLITICAL SCIENCE EMPHASIS

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HP 3213</td>
<td>Political and Social Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>HP 4513</td>
<td>Political Geography</td>
<td>3</td>
</tr>
<tr>
<td>HP 3433</td>
<td>Modern Europe</td>
<td>3</td>
</tr>
<tr>
<td>HP 3933</td>
<td>Modern Middle East</td>
<td>3</td>
</tr>
<tr>
<td>HP 4123</td>
<td>Modern East Asia</td>
<td>3</td>
</tr>
<tr>
<td>HP 4173</td>
<td>Modern Latin America</td>
<td>3</td>
</tr>
</tbody>
</table>

The three elective courses remaining not taken as part of the core courses 9

INTERNATIONAL BUSINESS EMPHASIS

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 2123 or 3163</td>
<td>Principles of Accounting II or Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BADM 3133 or 3123</td>
<td>International Business Law or Business Law II</td>
<td>3</td>
</tr>
<tr>
<td>FIN 4153</td>
<td>International Finance</td>
<td>3</td>
</tr>
<tr>
<td>MGT 4123</td>
<td>Business Policy</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose one of the following

- MGT 4173 | International Management | 3
- MKT 4163 | International Marketing | 3

International Studies Program Credit Hours 60^^

^May need to be taken at another institution.

^^ Including language proficiency and area studies course

Departmental Minors

HISTORY MINOR

Eighteen credit hours above the freshman level must be chosen in consultation with the department.

GEOGRAPHY MINOR

This 18-credit minor will provide students interested in this ancient and venerable field of study an introduction to various facets of the field. Further, geographical study is integral to the field of social studies and may be used by majors in social studies education as a more substantial component of their teaching preparation.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HP 1213</td>
<td>Physical Geography</td>
<td>3</td>
</tr>
<tr>
<td>HP 2503</td>
<td>World Regional Geography</td>
<td>3</td>
</tr>
<tr>
<td>Cartography-related course</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>
| A regional area study course (e.g. Modern Latin America, Modern Europe) | 3
| Field studies in geography |                                             | 9            |

Choose one of the following

- HP 4303 | Topics in U.S. History: Environmental History | 3
- HP 3113 | Geographical Information Systems (GIS) * | 3

Geography Minor Credit Hours 18

* For the GIS courses, students may be directed to off-campus locations where such courses are offered. While such courses are offered at the University of Oklahoma, a student may elect to take the course online through Earth Resources Surveys Inc. (ESRI), a leading educator in geographical information systems. Field studies coursework may include participation in CCCU study abroad programs, QERC programs, and select cultural or scientific field courses. Students must approve participation in field studies with their advisor in advance.
DEPARTMENT OF PSYCHOLOGY AND COUNSELING

Departmental Objectives

GENERAL OBJECTIVES

• To help all students to formulate a personal interpretation of human behavior that is compatible with a Christian concept of personality and is supported by the experimental data of a sound scientific psychology.
• To help all students to gain insight into the principles of conduct that will lead to intelligent control of personal affairs and to effective participation and leadership in activities of the social group.

PROFESSIONAL OBJECTIVES

• To provide thorough undergraduate training in psychology for those preparing for graduate work in psychology.
• To provide practical training in psychological skills and methods useful to students who will be working in one of the paraprofessional areas of psychology and related fields.
• To provide the background in psychology needed for those preparing for such vocations as the ministry, missions, school counseling and guidance, counseling, medicine, nursing, business, and teaching.
• To provide courses and other experiences which promote the personal development of the student and contribute to the General Education objectives of the college.

Note: a transfer student must complete at least 50 percent of the major psychology coursework in residence for any psychology major to receive a degree from SNU.

Departmental Full-time Faculty

Paul Jones, Ph.D., Assistant Professor (Fall 2008)
B.S., Southern Nazarene University
M.A., Fuller Theological Seminary
Ph.D., Fuller Theological Seminary

Alicia Limke, Ph.D., Associate Professor (Fall 2012)
B.S., Southern Nazarene University
M.S., University of Oklahoma
Ph.D., University of Oklahoma

Dorothy A. Stasser, Ed.D., Professor/Director, Testing Center (Fall 1967)
B.S., Bethany Nazarene College
M.S., Oklahoma State University
Ed.D., Oklahoma State University

Ronald W. Wright, Ph.D., Professor/Chair (1997-2002; Fall 2010)
B.A., Mount Vernon Nazarene University
M.A., Fuller Theological Seminary
Ph.D., Fuller Theological Seminary

Departmental Majors

PSYCHOLOGY MAJOR FOR B.A. DEGREE

The Bachelor of Arts degree in psychology is designed primarily as a liberal arts major for those entering fields requiring psychological understanding. A minimum of 38 credit hours are required and must include the following:
Course Number | Course Title | Credit Hours
--- | --- | ---
PSY 1113 | General Psychology I | 3
PSY 1131 | General Psychology Lab | 1
PSY 1213 | General Psychology II | 3
STAT 3143 | Statistical Methods | 3
PSY 3153 | Research Design | 3
PSY 4273 | History and Systems of Psychology | 3
PSY 4492 | Senior Colloquium | 2

Choose one of the following
PSY 3133 | Human Development | 3
PSY 4143 | Advanced Developmental Theories | 3
PSY 2173 | Psychology of Children and Youth | 3

Electives | Choose at least 17 credit hours of electives | 17

Psychology Major for B.A. Degree Credit Hours | 38

PSYCHOLOGY MAJOR FOR B.S. DEGREE

The B.S. degree track with a major in psychology is designed as a pregraduate school track. The required courses are selected based on expected preparation for graduate programs. Entrance into this degree track is by admission only; the first step for interested students would be to take the required prerequisite courses (General Psychology I (PSY 1113), General Psychology II (PSY 1213), General Psychology Laboratory (PSY 1131), Statistical Methods (STAT 3143), and one developmental psychology course. Each of these courses must be completed with at least a "B-" and with an overall minimum GPA of 3.00 in psychology. In addition, a student’s cumulative GPA must be at least a 2.75. Students failing to meet minimum grade criteria stated above may appeal to have their status reviewed.

Once a student has reached sophomore standing and has completed the prerequisite courses, application to be in the pregraduate school track can be made. Applications may be found online or from a psychology advisor. A goals statement and an APA writing sample will be requested with the application. Two letters of recommendation are needed; one from a psychology department faculty member and one from a faculty member not in the psychology department. Applicants are interviewed by pregraduate school screening committee. This committee’s recommendation, based on all the above listed criteria (grades, goals statement, writing sample, recommendations, interview) will determine admission status into the B.S. degree program.

If a student falls below the minimum GPA (2.75, overall; 3.00, psychology) for two semesters, the student will no longer be in the B.S. degree program. The student may be on probation for one semester, but if the minimum grade point average is not regained, the student will divert to another degree track. The student may remediate by retaking courses and apply to be readmitted to the B.S. degree program.

Once a student is identified in the B.S. degree track, the student should work closely with the advisor while making preparations for graduate programs. Most graduate school materials need to be sent to selected programs during the fall semester of the year before the student plans to enter a graduate program.

For the B.S. degree in psychology, 45 credit hours are required in departmental courses including those listed below.
### Methodology Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAT 3143</td>
<td>Statistical Methods</td>
<td>3</td>
</tr>
<tr>
<td>PSY 3153</td>
<td>Research Design (Prerequisite: STAT 3143)</td>
<td>3</td>
</tr>
<tr>
<td>STAT 3243</td>
<td>Computer-Packaged Stats (Prerequisite: STAT 3143)</td>
<td>3</td>
</tr>
<tr>
<td>PSY 3161</td>
<td>Senior Thesis (Prerequisite: PSY 3153)</td>
<td>1</td>
</tr>
</tbody>
</table>

### Core Content Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 3113</td>
<td>Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 3174</td>
<td>Physiological Psychology (with lab)</td>
<td>4</td>
</tr>
<tr>
<td>PSY 3193</td>
<td>Learning and Cognition</td>
<td>3</td>
</tr>
<tr>
<td>PSY 4153</td>
<td>Psychology of Personality</td>
<td>3</td>
</tr>
<tr>
<td>PSY 4273</td>
<td>History and Systems</td>
<td>3</td>
</tr>
</tbody>
</table>

*Choose one of the following*

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 3133</td>
<td>Human Development</td>
<td>3</td>
</tr>
<tr>
<td>PSY 2173</td>
<td>Psychology of Children and Youth</td>
<td>3</td>
</tr>
<tr>
<td>PSY 4143</td>
<td>Advanced Developmental Theories</td>
<td>3</td>
</tr>
</tbody>
</table>

### Integrative Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 4391-3</td>
<td>Practicum</td>
<td>1-3</td>
</tr>
<tr>
<td>PSY 4492</td>
<td>Senior Colloquium in Psychology</td>
<td>2</td>
</tr>
</tbody>
</table>

### Electives

- Chosen from any of the three areas listed below: 5-7

#### Specialty Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 3203</td>
<td>Industrial/Organizational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 4113</td>
<td>Psychology of Religion</td>
<td>3</td>
</tr>
<tr>
<td>PSY 3183</td>
<td>Psychological Testing</td>
<td>3</td>
</tr>
<tr>
<td>PSY 4373</td>
<td>Special Topic: Psychology and Law</td>
<td>3</td>
</tr>
<tr>
<td>PSY 4373</td>
<td>Special Topic: Sport Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 3433</td>
<td>Death and Dying</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Clinical Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 4103</td>
<td>Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 4213</td>
<td>Principles of Counseling</td>
<td>3</td>
</tr>
<tr>
<td>PSY 4263</td>
<td>Techniques of Counseling</td>
<td>3</td>
</tr>
<tr>
<td>PSY 2353</td>
<td>Interviewing Techniques</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Basic Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 2102</td>
<td>Self-Concept Development</td>
<td>2</td>
</tr>
<tr>
<td>PSY 1121</td>
<td>Careers in Psychology</td>
<td>1</td>
</tr>
</tbody>
</table>

### Nondepartmental Requirements (four of six areas required)

- Literature or composition course
- Mathematics course
- Modern language
- Natural science lab course
- Philosophy course
- Sociology course

### Psychology Major for B.S. Degree Credit Hours

45

### MULTIDISCIPLINARY MAJOR

A Bachelor of Science degree may also be obtained by following the multidisciplinary concentration with 60 credit hours in psychology and related courses. General Psychology I (PSY 1113), Senior Colloquium (PSY 4492) and 12 additional upper division credit hours are required as part of the 60 credit hours in a multidisciplinary concentration.
HUMAN RELATIONS MAJOR
See Department of Speech Communication

Departmental Minor
PSYCHOLOGY MINOR
A minimum of 18 credit hours is required to complete a minor in psychology, and must include the following courses:

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 1113</td>
<td>General Psychology I</td>
<td>3</td>
</tr>
<tr>
<td>PSY 1131</td>
<td>General Psychology Lab</td>
<td>1</td>
</tr>
<tr>
<td>PSY 3153 *</td>
<td>Research Design and Senior Thesis</td>
<td>4</td>
</tr>
<tr>
<td>PSY 3161</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSY 4273</td>
<td>History and Systems of Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

- Statistical Methods (STAT 3143) is strongly recommended and is a prerequisite for Research Design (PSY 3153).

DEPARTMENT OF SOCIOLOGY

Departmental Objectives

GENERAL OBJECTIVES

- To assist students in the development of a sociological perspective for interpreting human social behavior.
- To encourage the development of personal and professional responsibility as educated persons of faith.
- To enhance students' understanding of, and ability to function in, diverse societies.
- To enable students to understand the role and contribution of the social sciences in contemporary society.

PROFESSIONAL OBJECTIVES

- To enhance students' abilities to use sociological perspectives and methods.
- To develop the capability to systematically analyze human behavior and social arrangements.
- To provide quality undergraduate education that prepares graduates to enter graduate school or sociology career fields.

Departmental Full-time Faculty

Linda Patterson Wilcox, Ph.D., Professor (Fall 1993)
- B.S., Trevecca Nazarene College
- M.A., University of Missouri
- Ph.D., University of Oklahoma

Alan B. Young, Ph.D., Professor/Chair (Fall 2006)
- B.A. in Sociology, University of Illinois at Urbana-Champaign
- M.Div., Trinity Evangelical Divinity School
- M.A. in Sociology, University of Illinois at Urbana-Champaign
- M.B.A., Southern Nazarene University
- Ph.D., University of Illinois at Urbana-Champaign
Departmental Majors

HUMAN RELATIONS MAJOR
See Department of Speech Communication

SOCIOLOGY MAJOR
The major is designed for students planning to begin entry level careers or enter graduate school. Completing an internship and Elementary Spanish I (SPAN 1113) and Elementary Spanish II (SPAN 1123) are recommended for all majors.

A minimum of 18 residency credit hours in the major should be taken at SNU, with at least nine at the upper-division level. These courses should be chosen in consultation with a faculty advisor from the Department of Sociology.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 1113 *</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>STAT 3143</td>
<td>Statistical Methods</td>
<td>3</td>
</tr>
<tr>
<td>SOC 4143</td>
<td>Social Theory</td>
<td>3</td>
</tr>
<tr>
<td>SOC 4193</td>
<td>Methods of Social Research</td>
<td>3</td>
</tr>
<tr>
<td>SOC 4223</td>
<td>Colloquium in Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 2113</td>
<td>Social Problems</td>
<td>3</td>
</tr>
<tr>
<td>SOC 3103</td>
<td>Race and Ethnicity</td>
<td>3</td>
</tr>
<tr>
<td>SOC 3153</td>
<td>Urban Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 2153</td>
<td>Sociology of the Family</td>
<td>3</td>
</tr>
<tr>
<td>SOC 4383</td>
<td>Social Stratification</td>
<td>3</td>
</tr>
<tr>
<td>SOC 3213</td>
<td>Political and Social Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>SOC 4183</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 2243</td>
<td>Aging and Gerontology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 3433</td>
<td>Death and Dying</td>
<td>3</td>
</tr>
<tr>
<td>SOC 4131-4</td>
<td>Sociology Internship</td>
<td>1-4</td>
</tr>
</tbody>
</table>

**Electives**

*Choose from the following to total 21 credit hours*

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 3163</td>
<td>Social Problems</td>
<td>3</td>
</tr>
<tr>
<td>SOC 3173</td>
<td>Urban Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 3183</td>
<td>Sociology of the Family</td>
<td>3</td>
</tr>
<tr>
<td>SOC 4393</td>
<td>Social Stratification</td>
<td>3</td>
</tr>
<tr>
<td>SOC 3223</td>
<td>Political and Social Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>SOC 4283</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 3243</td>
<td>Aging and Gerontology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 3443</td>
<td>Death and Dying</td>
<td>3</td>
</tr>
<tr>
<td>SOC 4131-4</td>
<td>Sociology Internship</td>
<td>1-4</td>
</tr>
</tbody>
</table>

Other Sociology courses as offered

**Sociology Major Credit Hours**

36

* Introduction to Sociology (SOC 1113) is a prerequisite for all other Sociology courses.

^ Additional electives should be selected in consultation with the academic advisor. These electives should be selected from the course offerings in the Division of Social and Behavioral Sciences (Departments of Sociology, Psychology, and History, Politics, and Geography.)

Departmental Minors

SOCIOLOGY MINOR
Requires 18 credit hours including Introduction to Sociology (SOC 1113) and at least nine credit hours of upper-division courses in sociology. These courses should be chosen in consultation with a faculty advisor in the Department of Sociology.

URBAN MINISTRY MINOR
See School of Theology and Ministry
School Objectives

- To afford the student an opportunity to gain knowledge for discernment of truth and development of values for personal growth and service.
- To prepare the student for entry into nursing at the professional level as a generalist who can provide care for individuals, families and groups in a variety of settings through utilization of the nursing process.
- To provide an educational foundation conducive to graduate study and specialization in practice.
- To assist the student to apply Christian values and principles in the practice of nursing.

School Full-time Faculty

Wilma Galatian, R.N., M.S., Assistant Professor (Spring 2011)
  B.S.N., Oklahoma Wesleyan University
  M.S., Southern Nazarene University
  ABD, Capella University

Diane Gaston, R.N., M.S., Assistant Professor (Fall 2011)
  B.S.N., University of Central Oklahoma
  M.S., Southern Nazarene University

Peggy Hampton, R.N., M.S., Assistant Professor (Fall 2005)
  B.S.N., University of Central Oklahoma
  M.S., Southern Nazarene University

Mary Hibbert, Ph.D., Professor/Coordinator, Graduate Programs in Nursing (Fall 1995)
  B.S., Pittsburg State University
  M.S., University of Kansas
  Graduate Study, University of Kansas
  Ed.D., Texas Woman’s University

Debra Deanne Latham, R.N., M.S., C.N.E., Assistant Professor/Associate Chair (Fall 2005)
  A.D.N, Redlands Community College
  B.S.N., Southern Nazarene University
  M.S., University of Oklahoma

Donna R. McArthur, R.N., M.S., Assistant Professor (Fall 2006)
  B.S., Southern Nazarene University
  B.S.N., Southern Nazarene University
  M.S.N., Southern Nazarene University

Laura O’Neil, R.N., M.S., Assistant Professor (Fall 2005)
  B.S.N., University of Oklahoma
  M.S., University of Oklahoma

Katie Sigler, R.N., Ed.D., Assistant Professor/Director, Graduate Nursing Programs, SNU-Tulsa/Chair (Fall 2008)
  A.D.N., Cuesta College
  B.S.N., St. Mary’s of the Plains
  M.N., Wichita State University
  A.R.N.P., Pittsburg State University
  Ed.D., Oklahoma State University
State Nursing Licenses

The SNU School of Nursing is approved by the Oklahoma Board of Nursing. Graduates of this state-approved program are eligible to apply to write the National Council Licensure Examination (NCLEX) for (registered or practical) nurses. Applicants for Oklahoma licensure must meet all state and federal requirements to hold an Oklahoma license to practice nursing. In addition to completing a state-approved nursing education program that meets educational requirements and successfully passing the licensure examination, requirements include submission of an application for licensure, a criminal history records search, and evidence of citizenship or qualified alien status. Applicants for practical nurse licensure must also hold a high school diploma or a graduate equivalency degree (G.E.D.) [59 O.S. §567.5 & 567.6]. To be granted a license, an applicant must have the legal right to be in the United States (United States Code Chapter 8, Section 1621). In addition, Oklahoma law only allows a license to be issued to U.S. citizens, U.S. nationals, and legal permanent resident aliens. Other qualified aliens may be issued a temporary license that is valid until the expiration of their visa status, or if there is no expiration date, for one year. Applicants who are qualified aliens must present, in person, valid documentary evidence of:

1. A valid, unexpired immigrant or nonimmigrant visa status for admission into the United States;
2. A pending or approved application for asylum in the United States;
3. Admission into the United States in refugee status;
4. A pending or approved application for temporary protected status in the United States;
5. Approved deferred action status; or
6. A pending application for adjustment of status to legal permanent resident status or conditional resident status.

The Board has the right to deny a license to an individual with a history of criminal background, disciplinary action on another health-related license or certification, or judicial declaration of mental incompetence [59 O.S. §567.8]. These cases are considered on an individual basis at the time application for licensure is made, with the exception of felony charges. An individual with a felony conviction cannot apply for licensure for at least five years after completion of all sentencing terms, including probation and suspended sentences, unless a presidential or gubernatorial pardon is received [59 O.S. §567.5 & 567.6].

School Costs

Admission fees, general fees and tuition are essentially the same as for other students at SNU. Some scholarships are available. Program fees are assessed each semester to cover specific nursing costs. These fees are outlined in the Nursing Students’ Handbook.

Textbooks

Nursing textbooks and course syllabi are purchased at the beginning of the semester. Some required textbooks are used in more than one course.

Uniforms

Each student is required to purchase a designated uniform, nursing shoes, and lab coat for use in the clinical setting.

Medical Tests and Immunizations

TB tests (or chest x-rays), immunization against tetanus, rubella, rubeola, varicella, and hepatitis B (or positive titers) must be completed before beginning nursing clinicals in the Spring of the sophomore year. Records of these immunizations/titers must be submitted to the School of Nursing as soon as the student is notified they have been admitted into the nursing program, and before the start of spring
semester classes. A TB skin test is required annually with follow-up chest x-ray if positive. Clinical facilities will not permit any student to participate in clinical experiences in their facilities without documentation of each of these immunizations/titers and tests having been completed.

**CPR CERTIFICATION**
A health provider’s CPR certification must be maintained throughout the nursing program. Only CPR certification earned through the American Heart Association will be accepted. Nursing students are required to recertify every year.

**BACKGROUND CHECK AND DRUG SCREENING**
A nationwide background check and drug screen will be completed through the School of Nursing prior to beginning clinical rotations. Details related to handling of positive results are available in the Student Nursing Handbook. Cost for these items is included in student program fees.

**EQUIPMENT**
A stethoscope, pen light, tape measure, transparent six-inch ruler (measuring in cm’s), and a nurse’s watch with a second hand are required. A lab kit will be assembled by the School of Nursing that students will purchase.

**OKLAHOMA NURSING STUDENTS’ ASSOCIATION CONVENTION**
It is recommended that each student attend one day during the junior and the senior year. Membership in the organization is paid for all nursing students through student fees.

**INSURANCE**
Students are covered through a blanket liability insurance package purchased with student fees.

**NCLEX-RN**
Upon completion of the nursing program, each student must pay two fees in order to take the licensure exam for registered nurses called the National Council Licensure Examination (NCLEX). The first fee is approximately $200 and must be paid to the National Council of State Boards and Nursing; the second must be paid to the Board of Nursing in the state in which the student will be taking the exam. In Oklahoma, the Oklahoma State Board of Nursing fee is approximately $85. Successful completion of this exam is necessary to meet the legal requirements to practice as a registered nurse.

**School Major**

**NURSING MAJOR**

**ADMISSION REQUIREMENTS**
The nursing program at Southern Nazarene University is approved by the Oklahoma Board of Nursing and accredited by the Commission on Collegiate Nursing Education of the American Association of Colleges of Nursing. A four-year curriculum leading to a B.S. with a major in nursing is offered.

The program requires 53 credit hours of nursing courses and 80 credit hours of General Education and prerequisite courses. The nursing courses include classroom, laboratory, and clinical experiences and are scheduled spanning six semesters beginning the fall semester of the sophomore year. Clinical experiences are provided in various hospitals and agencies in the community.

Selection for admission into the nursing program is made following the fall semester of the sophomore year. Preference is given to applicants whose preparatory work is completed at SNU. Applications are distributed during the fall semester of the sophomore year. A minimum cumulative GPA of 2.75 is required for admission. Evidence that all prerequisite courses can be completed prior to the beginning of the junior level nursing courses is also required. All prerequisite course grades must be "C" or higher. For international students, a minimum TOEFL score of 550 (paper and pencil) or equivalent is required. (IELTS is accepted)
Advanced standing Licensed Practical Nurses (LPN) must meet the requirements for the prerequisite courses before admission into the School of Nursing. LPNs who are licensed to practice in the state of Oklahoma may challenge and request to waive NURS 2436 Foundations of Nursing for six credit hours.

Upon enrolling for the course, the LPN student must request to challenge for credit. All elements of the challenge must be completed prior to the start of the semester in which the course is offered. Additional details of the challenge are available in the Nursing Student Handbook.

**RECOMMENDED COURSE SEQUENCE:**

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tr>
<td>Freshman Fall Semester</td>
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<tr>
<td>ENGL 1113</td>
<td>Composition I*</td>
<td>3</td>
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<tr>
<td>CHEM 1124</td>
<td>General Chemistry I**</td>
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<tr>
<td>MATH 1513</td>
<td>College Algebra**</td>
<td>3</td>
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<tr>
<td>SP C 1133</td>
<td>Introduction to Speech*</td>
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<tr>
<td>NURS 1311</td>
<td>Introduction to Nursing*</td>
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<td>CSNE 1113</td>
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<td>ENGL 1213</td>
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<td>PSY 1113</td>
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<td>NURS 1411</td>
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<tr>
<td>BIOL 2124</td>
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<tr>
<td>PEG XXX1</td>
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<tr>
<td>THEO 1513</td>
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<th>Sophomore Fall Semester</th>
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<td>NURS 2404</td>
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<td>NURS 2323</td>
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<tr>
<td>BIOL 2224</td>
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<td>SOC 1113</td>
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<td>HP 1533</td>
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<td>NURS 2102</td>
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<td>NURS 2436</td>
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<tr>
<td>PSY 3133</td>
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<tr>
<td>BIOL 2234</td>
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<td>FA 1413</td>
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<table>
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<tr>
<th>Junior Fall Semester</th>
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<tbody>
<tr>
<td>NURS 3416</td>
</tr>
<tr>
<td>NURS 3333</td>
</tr>
<tr>
<td>Electives</td>
</tr>
<tr>
<td><strong>Total semester credit hours</strong></td>
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</table>
Junior Spring Semester
NURS 3354  Mental Health Nursing**  4
NURS 3423  Gerontology Nursing**  3
NURS 4372  Professional Trends and Issues**  2
NURS 4342  Nursing Research**  2
STAT 3143  Statistical Methods**  3
Elective  General Education elective course to total three credit hours  3

Total semester credit hours  17

Senior Fall Semester
NURS 4415  Adult Nursing II**  5
NURS 4325  Maternal and Child Nursing**  5
Electives  General Education elective courses to total six credit hours  6

Total semester credit hours  16

Senior Spring Semester
NURS 4434  Adult Nursing III**  4
NURS 4364  Nursing Leadership**  4
NURS 4801  Nursing Seminar**  1
Elective  General Education elective course to total three credit hours  3

Total semester credit hours  12

Nursing Major Credit Hours^  130

‡ Transfer student schedule may differ depending on courses accepted from transferring school.

* These prerequisite or corequisite courses are required with a minimum grade of "C" for admission into nursing courses.

** Course must be taken in semester and order shown.

^ Includes General Education credit hours.
SNU offers the basic science, social science, English, and mathematics coursework to assist the student with entry into professional schools of engineering, medicine, pharmacy, and other professions requiring these skills. The following programs are intended as a guide for selecting preprofessional courses. The courses suggested in these curricula can usually be completed in two to three years, but it may be advisable for students to complete a full four-year degree program in the liberal arts before entering a professional school. It is essential that the student identify the particular professional school of interest as early as possible so that appropriate and required electives be selected for entrance to that institution. The student’s advisor will assist in planning the course of study to this end. Some

ALLIED HEALTH

Allied health fields include cytotechnology, nutritional sciences, dental hygiene, medical technology, nuclear medicine, occupational therapy, physical therapy, physicians associate, radiation therapy, radiography, sonography, etc. Preparation for most of the baccalaureate degrees in the allied health professions are organized as 2 + 2 programs: the sciences and general education courses are available at any college or university. The final two years consist of clinical/professional courses available only at a few professional schools. Admission to the professional program is often highly selective. The student should work closely with a science advisor in planning an academic program.

A planning chart describing the arts and sciences courses students would take at SNU to meet admission requirements for the Oklahoma University Health Sciences Center (OUHSC) programs in Oklahoma City is available either in the Department of Biology or the Department of Kinesiology. Requirements at other universities may differ somewhat and students are advised to obtain current bulletins for the programs to which they might wish to transfer.

Another option for students with an allied health interest is to graduate from SNU before gaining admission to a professional program. A major in athletic training, exercise science, or kinesiology from the SNU Department of Kinesiology or from the SNU Department of Biology could be a positive factor in gaining admission to nutritional sciences, physical therapy or occupational therapy. There is a trend for physical therapy programs to require B.S. degrees for admission.

PRE-AGRICULTURE

A two-year program is offered after which the student transfers to a school of agriculture. Since the requirements are not the same at all schools of agriculture, the student should identify the professional school at time of registration.

PRE-ARCHITECTURE

Many courses are available to provide a full first-year program. These include mathematics, physics, art and design, introduction to engineering, introduction to computer systems, English, speech, history, etc. The student should carefully check the catalog requirements for courses that will transfer from SNU to the student’s anticipated school of architecture.

PRE-ENGINEERING (See Department of Physics)

PRE-LAW (See Departments of History, Politics, and Geography, English, or School of Business for detailed information.

PRE-MEDICINE

(Dentistry, Osteopathy, Veterinary Medicine, Physician Assistant or M.D., D.D.S., D.O., P.A., D.V.M.)

Pre-medicine has more majors than any other science program at SNU. During the last five years, SNU
students have gained admission to the following medical schools: University of Oklahoma (OKC and Tulsa - Ost.), Baylor (Texas), University of Kansas (KU), University of Missouri-Kansas City (UHSCOM), University of Texas (Dallas - S.W. and Fort Worth-Ost.), University of Texas-San Antonio. Medical school admission is more competitive than ever. In order of importance for admission are: 1) Medical College admission Test scores (MCAT) (average MCAT scores of 9 or better are a must); 2) Grades; and 3) Extracurricular achievements which contribute to resume/interview.

The biology-chemistry major is the recommended program of study for those interested in pursuing medical school. It is specifically designed to include the content areas most needed to effectively prepare for the MCAT and subsequent medical school study. In addition to the biology-chemistry program content areas, excellent reading and writing skills are a must. Working closely with an SNU science faculty advisor and SNU Pre-med Committee is imperative to quality preparation. Students should plan to take the MCAT in April of the junior year with at least one semester of intensive review prior to taking the exam.

**PRE-MEDICAL TECHNOLOGY**

Medical technology programs have competitive admission policies. Although SNU is affiliated with several hospitals in Oklahoma, students are not guaranteed admission. Under all three options above, the student must pass a national registry examination to be certified as a registered medical technologist MT (ASCP). There are three options under which students may pursue certification as a registered Medical Technologist MT (ASCP).

1. **The 2+2 option:** Complete 64 credit hours of prerequisite courses at SNU, then transfer to a school that offers a two-year, upper-division MT major. The bachelor's degree is granted by the latter school. The student should obtain current prerequisite information from their state of legal residence or desired transfer institution. SNU offers most required courses. Oklahoma no longer has a 2 + 2 program.

2. **The 3+1 option:** Complete 94 credit hours at SNU, then spend 12 months at a hospital with an accredited teaching program in medical technology. The student may be officially enrolled at SNU during the clinical year and the bachelor's degree in medical technology may be granted by SNU. Such programs are available in most cities in most states.

3. **The 4+1 option:** Obtain a bachelor's degree from SNU while completing prerequisite courses for a hospital-based program. Students who complete a bachelor's degree before applying for admission may have an advantage in being accepted into MT certification programs. A bachelor's degree in biology and/or chemistry may be more flexible than a degree specifically in medical technology.

**PRE-OPTOMETRY**

Several optometry schools are available to SNU students including Houston, Chicago, and Northeastern Oklahoma State (Tahlequah). Most persons admitted to optometry schools are college graduates. Required courses are similar to those for pre-meds. SNU science faculty advisors should have the most recent information on the optometry schools.

**PRE-PHARMACY**

Most pharmacy programs are of the 2 + 3 variety, (i.e., two years of general education and science courses are required before admission to the pharmacy school can be granted). Historically, SNU students gained admission to both of the Oklahoma pharmacy schools—Southwestern Oklahoma State and the University of Oklahoma Health Sciences Center—as well as to schools in Kansas City, MO, and Big Rapids, MI. Below is a typical course sequence for pre-pharmacy students.
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<thead>
<tr>
<th>Course Number</th>
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<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
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<tr>
<td>BIO 1314</td>
<td>Organismal Biology</td>
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<td>G S 1031L</td>
<td>New Student Institute</td>
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<tr>
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<tr>
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**Freshman Second Semester**

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<tbody>
<tr>
<td>CHEM 1224</td>
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<tr>
<td>BIOL 2124</td>
<td>Microbiology</td>
<td>4</td>
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<tr>
<td>ENGL 1213</td>
<td>Composition II</td>
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<tr>
<td>HP elective</td>
<td>U.S. History or American Government</td>
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<tr>
<td>Choose one of the following</td>
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<tr>
<td>ACC 2113</td>
<td>Accounting I</td>
<td>3</td>
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<tr>
<td>ECO 2123</td>
<td>Microeconomics</td>
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**Sophomore First Semester**

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<td>PHYS 1114</td>
<td>General Physics I</td>
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<td>MATH 2324</td>
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<tr>
<td>PSY 1114</td>
<td>General Psychology</td>
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<tr>
<td>SOC 1113</td>
<td>Introduction to Sociology</td>
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**Sophomore Second Semester**

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<td>Organic Chemistry II</td>
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<td>PHYS 1214</td>
<td>General Physics II</td>
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</tr>
<tr>
<td>FA 2123</td>
<td>Introduction to Fine Arts</td>
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</tr>
<tr>
<td>HP 1533</td>
<td>Modern World</td>
<td>3</td>
</tr>
<tr>
<td>MISS 4183</td>
<td>Cultural Anthropology</td>
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**PRE-SEMINARY**
See the School of Theology and Ministry
School of Professional Studies

The programs in the School of Professional Studies are under the supervision of the Dean of the SNU College of Professional and Graduate Studies. Implementation is the responsibility of the faculty of the School of Professional Studies and supporting departments. All policies and curricula are monitored and approved by the SNU Academic Council, the school and SNU faculty.
SCHOOL OF PROFESSIONAL STUDIES

ABOUT THE SCHOOL

Mission and History
The mission of the School of Professional Studies is to provide professionals access to higher educational opportunities in order that they may be empowered to develop intellectually, emotionally, and spiritually. Organized in 1985, the school administers these academic programs: alternative and prior learning (APL), the General Education Bridge courses, the Organizational Leadership major (OL), the Business Administration major (BS/BA), the Family Studies and Gerontology major (FSG) and program practicum, the Network Management major (NM), and the Nursing major (RN/BS). The school also cooperates in advising pre-BS/BA, OL, FSG, NM, and RN/BS students. The School of Professional Studies offers the OL, BS/BA and FSG programs at our SNU-Tulsa Center in Tulsa, Oklahoma.

Memberships
- Association for Continuing Higher Education (ACHE)
- Council for Adult and Experiential Learning
- Christian Adult Higher Education Association (CAHEA)

School Full-time Faculty

W. Davis Berryman, Ph.D., Professor/Dean, College of Professional and Graduate Studies (2002)
B.S., Washington University
M.S., Case Western Reserve University
M.B.A., Kent State University
Ph.D., Michigan State University

Anne A. Ghost Bear, Ed.D., Associate Professor/Director, SNU-Tulsa (Fall 2002)
B.S., East Central University
M.S., Oklahoma State University
Ed.D., Oklahoma State University

Catherine A. Hutchings-Wedel, Ed.D., Professor/Director, Organizational Leadership, Network Management (Fall 1988)
B.A., Southern Nazarene University
M.A., Southern Nazarene University
Ed.D., Oklahoma State University

Delilah G. Joiner, Ed.D., Professor/Director, Family Studies and Gerontology (Fall 1981)
B.A., Bethany Nazarene College
M.Ed., Central State University
Ed.D., Oklahoma State University

Sue Anne Lively, Ed.D., Professor/Chair/Director, Alternative and Prior Learning (Fall 1980)
B.S., Bethany Nazarene College
M.A., Bethany Nazarene College
Ed.D., Oklahoma State University
Linda A. Miner, Ph.D., Professor/Director of Academic Programs, SNU-Tulsa (Fall 1990)
B.S., University of Kansas
M.S., University of Kansas
Ph.D., University of Minnesota

A. Koshy Muthalaly, Ph.D., Professor (Fall 1999)
B.A.(Hons), Bangalore University, India
B.D., Union Biblical Seminary, Maharashtra, India
M.Th., United Theological College (Serampore University)
Ph.D., Southern Baptist Theological Seminary
M.B.A., Southern Nazarene University

ADMISSION

To effectively assist professional students (generally those 25 years of age and older who have significant work experience) with admission to SNU and to the specialized programs offered in the School of Professional Studies, the school maintains admissions offices on campus and at SNU-Tulsa. Professionals who are interested in one of the programs offered by the School of Professional Studies need to apply using the forms and procedures of the School of Professional Studies Office of Admissions. These policies and procedures are supplemented by the Professional Studies Handbook, which is considered an official extension of this catalog.

Admission to the baccalaureate degree-completion programs at SNU is processed through the School of Professional Studies admissions office. To enter these programs, the applicant must have previously completed two years of college (60 transferable credit hours). The applicant to any program of the School of Professional Studies other than the RN/BS program must also have a minimum GPA of 2.00 (4.00 scale). RN/BS applicants must have a 2.75 GPA (4.00 scale) and have an associate or diploma degree in nursing from an accredited association. Generally, applicants for all programs have a minimum of two years of significant full-time work experience beyond high school. An application interview is required before admission assessment can be processed.

Alternative and Prior Learning Services
Academic advisors and faculty provide the following services to professional students:
- initial assessment and evaluation
- academic advising
- prior learning assessment
- portfolio development

Prior Learning Assessment
SNU offers professional students the opportunity to petition for college credit hours through prior learning assessment. The assessment of learning follows guidelines provided by the Council for Adult and Experiential Learning (CAEL).

FORMS OF CREDIT RECOGNIZED
SNU will award credit based on the following measures of noncollegiate learning:
- proficiency exams (CLEP and departmental challenge exams)
- formal noncollegiate coursework for which credit recommendations have been established by New York Regents National PONSI and ACE/PONSI
- military educational experiences recommended for credit by ACE
- and individualized assessment of prior learning.

The number of credit hours earned through these methods is limited depending on the degree choice.
METHODS OF INDIVIDUALIZED ASSESSMENT OF PRIOR LEARNING

Individualized assessment requires the development of a portfolio of learning experiences (collegiate and noncollegiate). All students who wish to petition for credit are required to work with an academic advisor from the School of Professional Studies to receive instruction and advice on how to develop a portfolio.

Credit may be awarded through the following:

Professional/Technical Training - Students supply documentation of training and articulate the learning. This documentation and articulation are reviewed and evaluated by SNU faculty for the possible awarding of college credit.

Prior Learning Experiences - Students write reports in a prescribed format detailing the learning acquired through various noncollegiate learning experiences. These reports, which must include documentation, are reviewed and evaluated by SNU faculty for the possible awarding of college credit.

Educational Development in Arts and Sciences, and Technology - Prior learning assessment in the School of Professional Studies includes the evaluation of regionally accredited, two-year college coursework that exceeds SNU's limitation of 62 credit hours. A student may petition for these additional credit hours and learning to be evaluated through the portfolio process. All evaluation will follow SNU's prescribed format and procedures for prior learning evaluation. Credit hours accepted through educational development will be for electives only.

Note: Submission of prior learning for evaluation is not a guarantee of credit. If credit hours are not awarded through the prior learning process, students must fulfill academic requirements and needs through other means such as classes and CLEPs.

LIMITATIONS ON CREDIT AWARDED

All students are limited to a maximum of 30 credit hours earned through individualized prior learning assessment. A maximum total of 45 credit hours can be earned through a combination of prior learning assessment, CLEP, and advanced standing.

Prior learning assessment credit is limited to college learning that applies to General Education and elective courses at the undergraduate level. The option for prior learning assessment continues up to the third semester of the student's program. After the beginning of the third semester, other options for earning credit hours, such as classes, CLEPs, etc., must be used.

POLICIES

Refund Policies (Return of Title IV Funds)

As part of the Higher Education Amendments of 1998, the U.S. Congress passed provisions governing what must happen to federal financial assistance if a student completely withdraws from school in any module.

Federal law specifies how a school must determine the amount of federal financial assistance that a student earns if he/she withdraws*, drops out, is dismissed or takes an unreturned leave of absence prior to completing more than 60% of a payment period**, SNU and the student will be required to return to the federal aid programs the amount of aid received that was in excess of the aid earned for the time period the student remained enrolled.

The percentage of the semester completed is the percentage of aid earned. This percentage is calculated by the number of days the student attended divided by the number of days in the payment period (i.e. semester).
In general, the law states that a student earns federal financial assistance directly in proportion to the number of days in the semester attended. If the student receives (or SNU receives on the student’s behalf) more assistance than earned, the unearned excess funds must be returned to the U.S. Department of Education.

If SNU returns funds to the Title IV aid programs, it could result in the student owing SNU charges that were originally paid at the time of disbursement. Students may be required to return funds released to them for personal expenses.

Unearned Title IV aid shall be returned to the following programs in the following order:
- Unsubsidized Stafford Loan
- Subsidized Stafford Loan
- Parent Loans to Undergraduate Students (PLUS)
- Federal Pell Grant
- Federal SEOG
- Other Title IV Grant Programs

* The withdrawal date will be determined by SNU as (1) the date the student officially notified the administrative office of intent to withdraw; (2) the midpoint of the module if the student withdraws without notifying SNU; or (3) the last date of attendance at an academically related activity as documented by SNU.

** The payment period is considered the current semester from which the student withdraws.

Due to frequent changes in federal and state regulations, see the School of Professional Studies financial assistance office for details of current policies.

**Withdrawal Policy** *(Explanation of Charges)*

When a student withdraws, tuition and fees are retained only for those modules in which the first class has met. If a student attends any part of a module, the full amount of tuition and program fees for that module are nonrefundable.

**DEGREE REQUIREMENTS**

**Credit Requirements**

Completion of a baccalaureate degree requires a minimum of 124 credit hours, 30 of which must be taken at SNU. Forty (40) credit hours must be upper division (junior or senior level) courses. A cumulative grade point average (GPA) of 2.00 (4.00 scale) is required for graduation. A GPA of 2.00 is also required in the major. Credit from prior learning assessment may be earned through the submission of a portfolio – limited to 30 credit hours. A maximum of 45 credit hours may be earned through a combination of prior learning, CLEP and advanced standing.

Note: GPA requirements for RN/BS Program differs from requirements for other professional studies programs with a 2.75.

**Curriculum Requirements**

The curricula for the Bachelor of Science degree-completion programs are divided into three categories:

**GENERAL EDUCATION**

Forty-five credit hours in addition to the liberal studies included as part of each professional studies major:
- Language, literature, and communication (nine credit hours) *
• Social and behavioral sciences (nine credit hours)
• Natural science (nine credit hours)
• Fine arts, philosophy, and theology (nine credit hours)
• General Education electives (nine credit hours)

**ELECTIVES**
41 to 43 credit hours

**MAJOR COURSEWORK**
36 credit hours

*Composition I (ENGL 1113) is required*

**TUITION AND FEES**

The School of Professional Studies may be contacted for current tuition and fee charges:

<table>
<thead>
<tr>
<th>Fee</th>
<th>Amount</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>Registration Fee</td>
<td>$185.00</td>
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</tr>
<tr>
<td>Re-entry Fee</td>
<td>$100.00</td>
<td>(nonrefundable)</td>
</tr>
<tr>
<td>Program Fees</td>
<td>Variable</td>
<td>(nonrefundable)</td>
</tr>
</tbody>
</table>

For the most current information on fees and tuition, the School of Professional Studies should be contacted directly (405-491-6332).

**ACADEMIC PROGRAMS**

**BRIDGE (PREDEGREE-COMPLETION PLAN)**

Bridge is designed for adult learners, generally 23 years of age and older, with at least 12 transferable college credit hours. If the student has not completed Composition I (ENGL 1113) or equivalent course prior to entering SNU, Writing in College must be the first course taken in the Bridge program (ENGL 1023). Bridge offers a means for completing the credit hours needed to enter a degree completion program. Single courses are offered at various times through out the calendar year. Learners may enroll for Bridge by contacting the School of Professional Studies admissions office. Financial assistance is available for Bridge. Offerings include courses such as:

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP C 2353</td>
<td>Interviewing Techniques</td>
<td>3</td>
</tr>
<tr>
<td>HP 2413</td>
<td>Geomorphology</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1113</td>
<td>Math Concepts: Discrete Math</td>
<td>3</td>
</tr>
<tr>
<td>SP C 4233</td>
<td>Intercultural Communication</td>
<td>3</td>
</tr>
<tr>
<td>SOC 2183</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>HP 2213</td>
<td>Earth's Natural Disasters</td>
<td>3</td>
</tr>
<tr>
<td>ART 4173</td>
<td>History of Art</td>
<td>3</td>
</tr>
<tr>
<td>THEO 2233</td>
<td>Introduction to Christian Thought</td>
<td>3</td>
</tr>
<tr>
<td>HP 4353</td>
<td>America in Vietnam</td>
<td>3</td>
</tr>
<tr>
<td>MED 3513</td>
<td>History of Popular American Music</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 2123</td>
<td>World Religions</td>
<td>3</td>
</tr>
<tr>
<td>SOC 2153</td>
<td>Sociology of Family</td>
<td>3</td>
</tr>
<tr>
<td>SOC 2133</td>
<td>Introduction to Corrections</td>
<td>3</td>
</tr>
<tr>
<td>HP 2433</td>
<td>Introduction to Holocaust</td>
<td>3</td>
</tr>
<tr>
<td>CSNE 1113</td>
<td>Integrated Software Applications</td>
<td>3</td>
</tr>
<tr>
<td>SP C 3233</td>
<td>American Cinema and Culture</td>
<td>3</td>
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</table>
INDEPENDENT STUDY MODULES (ISM)

The School of Professional Studies offers a number of courses that a student may take independently. A student may enroll in an ISM by contacting an academic advisor. Enrollment requires admission to SNU. The following courses are currently offered as ISMs:

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 2134</td>
<td>Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BLT 1163</td>
<td>Introduction to Biblical Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2413</td>
<td>Introduction to Literature</td>
<td>3</td>
</tr>
<tr>
<td>HP 2013</td>
<td>World Civilizations I</td>
<td>3</td>
</tr>
<tr>
<td>HP 4433</td>
<td>Anti-Semitism and the Holocaust</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 3233</td>
<td>Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PSY 1113</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SP C 3233</td>
<td>Family Communication</td>
<td>3</td>
</tr>
<tr>
<td>CED/GS 3023</td>
<td>Ministry, Church, and Society</td>
<td>3</td>
</tr>
</tbody>
</table>

BUSINESS ADMINISTRATION (BS/BA)

The BS/BA is for students who have at least 60 transferable college credit hours, and the program focuses on acquiring skills in the financial and managerial aspects of business. The program is 15 months in length, and can help students navigate through these times of complex business issues as well as prepare students for the next step in their career. Classes meet one night a week. The BS/BA program emphasizes more than just business theory; it deals with practical applications.

<table>
<thead>
<tr>
<th>Module</th>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>BADM 3143</td>
<td>Technical Communication</td>
<td>3</td>
</tr>
<tr>
<td>2</td>
<td>PSY 3413</td>
<td>Personal and Professional Development</td>
<td>3</td>
</tr>
<tr>
<td>3</td>
<td>ECO 3113</td>
<td>Economics for Managers</td>
<td>3</td>
</tr>
<tr>
<td>4</td>
<td>MGT 3413</td>
<td>Org. Behavior I; Diagnosis &amp; Planned Change</td>
<td>3</td>
</tr>
<tr>
<td>5</td>
<td>ACC 3163</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>6</td>
<td>REL 3413</td>
<td>Biblical Perspectives in Western Culture</td>
<td>3</td>
</tr>
<tr>
<td>7</td>
<td>STAT 3423</td>
<td>Data Analysis Methods</td>
<td>3</td>
</tr>
<tr>
<td>8</td>
<td>MKT 3173</td>
<td>Marketing for Managers</td>
<td>3</td>
</tr>
<tr>
<td>9</td>
<td>FIN 3103</td>
<td>Business Finance</td>
<td>3</td>
</tr>
<tr>
<td>10</td>
<td>BADM 3113</td>
<td>Business Law</td>
<td>3</td>
</tr>
<tr>
<td>11</td>
<td>BADM 3153</td>
<td>Issues in International Business</td>
<td>3</td>
</tr>
<tr>
<td>12</td>
<td>BADM 3163</td>
<td>Senior Capstone: Ethics and Applications</td>
<td>3</td>
</tr>
</tbody>
</table>

FAMILY STUDIES AND GERONTOLOGY (FSG)

The FSG program leads to a Bachelor of Science degree with an interdisciplinary major in Family Studies and Gerontology. The degree focuses on increasing the student’s understanding of the family, the aging individual, and the aging population in contemporary society.

<table>
<thead>
<tr>
<th>Module</th>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>PSY 3133</td>
<td>Human Development</td>
<td>3</td>
</tr>
<tr>
<td>2</td>
<td>PSY 3412</td>
<td>Personal and Professional Development</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>SP C 3462</td>
<td>Family Communication</td>
<td>2</td>
</tr>
<tr>
<td>4</td>
<td>PSY/SOC 4433</td>
<td>Adulthood and Aging</td>
<td>3</td>
</tr>
</tbody>
</table>
**NETWORK MANAGEMENT (NM)**

The NM program leads to a Bachelor of Science degree in network management. This program also provides academic requirements for MCITP, CISCO and Security+ certification. In addition to the certification courses, the required coursework focuses on decision making skills and effective human relations.

The prospective student should be able to demonstrate an understanding of basic networking principles such as:

- Identifying what the term *network* means
- Network Topology
- Understanding of types of cabling and other network media
- Network Architecture (Ethernet, Packets)
- Different Network Operating Systems
- Network Standards – OSI Reference, IEEE standards, Others
- Elements of Network Connectivity
- Establishing Network Shares
- Network Security
- Network Printing

Prospective students should have a fundamental understanding of XP or later OS. This would include how to install, share files, change settings, and set up networking capabilities.

Students will be admitted to the NM program based on the following criteria in order as listed until 16 individuals qualify for admission.

1. Individuals scoring 90 or higher are admitted to the program on a first come, first served basis (i.e. if 17 people take the test and score 90 or higher, the first 16 to apply will be taken).

2. Individuals scoring 80 - 89 are admitted to the program based on highest score first. If there are ties, the earliest applicants will be selected first.

3. Individuals scoring less than 80 are encouraged to do self study and retry or take a three night workshop. However, it is recommended for those who score less than 90 on the test to take the workshop.

<table>
<thead>
<tr>
<th>Module</th>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>PSY 3413</td>
<td>Personal and Professional Development</td>
<td>3</td>
</tr>
<tr>
<td>2</td>
<td>SNM 3413*</td>
<td>Windows Networking I</td>
<td>3</td>
</tr>
<tr>
<td>3</td>
<td>MGT 3413</td>
<td>Org. Behavior I; Diagnosis and Planned Change</td>
<td>3</td>
</tr>
<tr>
<td>4</td>
<td>SNM 3813*</td>
<td>Windows Networking II</td>
<td>3</td>
</tr>
</tbody>
</table>
NURSING (RN/BS)
Registered nurses (R.N.) from an accredited diploma or associate degree program who want to obtain a B.S. degree may apply through the School of Professional Studies for admission to the RN-BS degree completion program. Completion of prerequisite courses at a "C" level and a cumulative GPA of 2.75 are required for admission and graduation. The program is 14 academic months in length and meets one evening per week. Significant work is completed outside the classroom.

The RN/BS program leads to a Bachelor of Science degree with a major in nursing. The coursework includes advanced nursing concepts, trends and issues and focuses on community health, leadership and research. The student completes 36 credit hours (27 nursing credit hours and nine credit hours in non-nursing General Education) and is prepared for graduate work in nursing.

<table>
<thead>
<tr>
<th>Module</th>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>NURS 3903</td>
<td>Professional Concepts in Nursing</td>
<td>3</td>
</tr>
<tr>
<td>2</td>
<td>PSY 3413</td>
<td>Personal and Professional Development</td>
<td>3</td>
</tr>
<tr>
<td>3</td>
<td>NURS 4903</td>
<td>Health Assessment &amp; Promotion Across the Lifespan</td>
<td>3</td>
</tr>
<tr>
<td>4</td>
<td>REL 3413</td>
<td>Biblical Perspectives in Western Culture</td>
<td>3</td>
</tr>
<tr>
<td>5</td>
<td>NURS 4934</td>
<td>Gerontologic, Chronic Disease and Disability Care</td>
<td>4</td>
</tr>
<tr>
<td>6</td>
<td>NURS 4945</td>
<td>Community Health Nursing</td>
<td>5</td>
</tr>
<tr>
<td>7</td>
<td>STAT 3423</td>
<td>Data Analysis Methods</td>
<td>3</td>
</tr>
<tr>
<td>8</td>
<td>NURS 4923</td>
<td>Nursing Research</td>
<td>3</td>
</tr>
<tr>
<td>9</td>
<td>NURS 4955</td>
<td>Nursing Leadership</td>
<td>5</td>
</tr>
<tr>
<td>10</td>
<td>NURS 4964</td>
<td>Bioethical and Legal Issues in Nursing</td>
<td>4</td>
</tr>
</tbody>
</table>

ORGANIZATIONAL LEADERSHIP (OL) (ONLINE AND ON LAND)
The Organizational Leadership (OL) program leads to the Bachelor of Science degree with a major in organizational leadership. The required coursework focuses on necessary leadership, communication, human relations, and decision making skills to develop or increase effectiveness in working with people.

<table>
<thead>
<tr>
<th>Module</th>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>SP C 4423</td>
<td>Interpersonal Communication</td>
<td>3</td>
</tr>
<tr>
<td>2</td>
<td>PSY 3413</td>
<td>Personal and Professional Development</td>
<td>3</td>
</tr>
<tr>
<td>3</td>
<td>BADM 3143</td>
<td>Technical Communication</td>
<td>3</td>
</tr>
<tr>
<td>4</td>
<td>MGT 3413</td>
<td>Org. Behavior I; Diagnosis and Planned Change</td>
<td>3</td>
</tr>
<tr>
<td>5</td>
<td>BADM 4423</td>
<td>Applied Research and Reporting</td>
<td>3</td>
</tr>
<tr>
<td>6</td>
<td>STAT 3423</td>
<td>Data Analysis Methods</td>
<td>3</td>
</tr>
<tr>
<td>7</td>
<td>SP C 3473</td>
<td>Group and Organizational Communication</td>
<td>3</td>
</tr>
<tr>
<td>8</td>
<td>REL 3413</td>
<td>Biblical Perspectives in Western Culture</td>
<td>3</td>
</tr>
<tr>
<td>9</td>
<td>BADM 4413</td>
<td>Human Resources Administration</td>
<td>3</td>
</tr>
<tr>
<td>10</td>
<td>MGT 4413</td>
<td>Org. Behavior II; Leadership and Management</td>
<td>3</td>
</tr>
<tr>
<td>11</td>
<td>GS 4423</td>
<td>Personal and Professional: Ethics and Values</td>
<td>3</td>
</tr>
<tr>
<td>12</td>
<td>BADM 4433</td>
<td>Senior Research Project</td>
<td>3</td>
</tr>
</tbody>
</table>
Course Descriptions

Course offerings at SNU are based on student enrollment and adequate demand. Courses offered may be changed without prior notice. Some courses listed may not be offered each semester. For a current list of courses being offered in a given time, students should check with the Office of the Registrar or the course schedule published prior to each academic term.
ACC (ACCOUNTING)

ACC 2113  Principles of Accounting I (3 credit hours)
Basic principles of accounting: cycle, statements, accounting systems, and payroll.

ACC 2123  Principles of Accounting II (3 credit hours)

ACC 2132  Personal Income Tax (2 credit hours)
Individual income tax preparation. Special emphasis on the 1040 tax return forms. No prerequisites or accounting background necessary.

ACC 2134  Accounting (4 credit hours)
This four credit hour course covers the basic accounting principles typically presented in two one-semester Principles of Accounting courses. Topics include: the accounting cycle, financial statement preparation and analysis, accounting systems, payroll, and partnership and corporate accounting.

ACC 3113  Intermediate Accounting I (3 credit hours)
An extensive treatment of financial statements, assets and current liabilities. Resource material includes professional standards. **Prerequisite:** Principles of Accounting II (ACC 2123).

ACC 3123  Intermediate Accounting II (3 credit hours)
A continuation of Intermediate Accounting I (ACC 3113). Long-term debt, stockholders equity, and financial statement analysis. Resource material includes professional standards. **Prerequisite:** Intermediate Accounting I (ACC 3113) or concurrent enrollment.

ACC 3133  Cost Accounting (3 credit hours)
Principles and procedures of cost accumulation emphasizing job order and process cost systems. Resource material includes professional standards. **Prerequisite:** Principles of Accounting II (ACC 2123) or concurrent enrollment.

ACC 3143  Cost Analysis (3 credit hours)
Standard cost, budgets, cost control, and profit analysis. Resource material includes professional standards. **Prerequisite:** Principles of Accounting II (ACC 2123).

ACC 3153  Income Tax for Individuals (3 credit hours)
Study of IRC and the IRS procedures including individual income tax preparation, special provisions, and tax research.

ACC 3163  Managerial Accounting (3 credit hours)
Study of internal accounting for managerial decision-making. Topics include financial statement analysis, budget analysis, cost-volume-profit analysis, ethics, and various other decision-making applications. **Prerequisite:** Principles of Accounting II (ACC 2123).

ACC 4113  Management Information Systems (3 credit hours)
This course is concerned with the design of information systems required for management decision making. Problems of communication, information theory, document flow, and internal control are considered. The integration of data into a total information system is the ultimate consideration. The role and use of computers is emphasized.

ACC 4123  Advanced Accounting (3 credit hours)
Partnership, Fiduciary and Fund accounting. Resource material includes professional standards. **Prerequisite:** Intermediate Accounting II (ACC 3123).

ACC 4133  Auditing (3 credit hours)
Study of auditing and attestation standards and principles. Resource material includes professional standards. **Prerequisite:** Intermediate Accounting II (ACC 3123).

ACC 4143  Consolidated Statements (3 credit hours)
Consolidated balance sheets and income statements embracing wholly and partly owned subsidiaries, intercompany sales, purchases, and bonds. Intercompany profit on inventories and fixed assets, gain or loss on sale of part or entire controlling interest. Resource material includes professional standards. **Prerequisite:** Intermediate Accounting II (ACC 3123).
ACC 4153  Income Tax for Business/Fiduciary Entities (3 credit hours)
Study of IRC and IRS procedures dealing with corporate and partnerships income taxation, property transactions, and tax implication of estates and trusts.

ACC 4173  Not-for-Profit Accounting (3 credit hours)
Fund accounting procedures for Governmental, Universities, Health Care Organizations and other Not-For-Profit Organizations. Resource material includes professional standards. **Prerequisite:** Principles of Accounting II (ACC 2123).

ACC 4181-3 Internship/Directed Study (1-3 credit hours)
Para-Professional experience or individual study of problems or reading in accounting. **Prerequisite:** 12 credit hours of accounting, permission of the instructor, and 3.00 G.P.A.

APMU (APPLIED MUSIC)

APMU 1001  Beginning Guitar Class (1 credit hour)
Study of basics of guitar.

APMU 1011  Beginning Strings Class (1 credit hour)
Study of basic string techniques.

APMU 1101-2 Preparatory Level (1-2 credit hours)
Private instruction for non-music majors. May be repeated.

APMU 1111  Class Voice-Adult Beginners (1 credit hour)
Study of basic concepts of voice production.

APMU 1121  Class Voice-Adult Intermediate (1 credit hour)
Continuation of Class Voice, Adult Beginner (APMU 1111).

APMU 1131  Flute (1 credit hour)
Private instruction. May be repeated.

APMU 1132  Piano (2 credit hours)
Private instruction. May be repeated.

APMU 1141  Class Piano-Adult Beginners (1 credit hour)
Study of the basic concepts in keyboard techniques. Basic beginning skills of keyboard playing.

APMU 1151  Class Piano-Adult Intermediate (1 credit hour)
Continuation of 1141.

APMU 1161  Class Piano-Adult Advanced (1 credit hour)
Continuation of 1151 plus Beginning Repertoire.

APMU 1601-4 Private Lessons (1-4 credit hours)
Private instruction. May be repeated.

APMU 2131-2 Piano (1-2 credit hours)
Private instruction. May be repeated.

APMU 2400  Enrichment Seminar (0 credit hours)
A weekly, interactive seminar for Music majors and minors in their primary performing area, linked to their private study. Sessions include performance opportunities and guest lecturers in various fields of music. Majors enroll for eight semesters; minors enroll for three semesters.

APMU 3131-4 Performance Level Three (1-4 credit hours)
Private instruction for Music majors. Various levels reflect advancing technical skills and musicianship. Levels are determined by teacher recommendation and jury grade each semester.

APMU 3141  Junior Level Recital (1 credit hour)
Students must achieve and enroll in 3141 the semester the junior recital is presented. The program should be approximately 25 minutes of music. Evaluation is based on the student’s performance of the recital, and the final grade is given by a committee of the faculty.

APMU 4131-4 Performance Level Four (1-4 credit hours)
Private instruction for Music majors. Various levels reflect advancing technical skills and musicianship. Levels are determined by teacher recommendation and jury grade each semester.
APMU 4141  Senior Level Recital (1 credit hour)
A student working toward the B.S. with Emphasis in Performance degree must enroll in this course the semester the senior recital is presented. The program should be approximately 50 minutes of music. Evaluation is based on the student's performance of the recital, and final grade is given by a faculty committee.

ART (ART)
ART 1113  Drawing I (3 credit hours)
This introductory course in presentation techniques is a study of gesture and contour drawing, with an emphasis on the relationship between nonobjective and representational drawing, using a variety of media. No prior drawing experience necessary.

ART 1123  Drawing II (3 credit hours)
This course focuses on the language of visual expression and the development of perceptual skills using one, two, and three point perspective drawing. A variety of media are used to develop these skills. Prerequisite: Drawing I (ART 1113) or permission of instructor

ART 1213  Design I (3 credit hours)
This course introduces students to a framework of visual, conceptual and spatial forms in two-dimensional design. Emphasis is given to visual hierarchy and the elements and principles of basic design. Assigned projects will address individual expression and visual language as a means of expression.

ART 1223  Design II (3 credit hours)
This course introduces students to a framework of visual, conceptual and spatial forms in 3-dimensional design. Students will develop concepts through a variety of processes and materials, including clay, wood, and plaster. Emphasis is on exploration of form and craftsmanship. Prerequisite: Design I (ART 1213) or permission of instructor

ART 2013  History of Art and Design (3 credit hours)
This survey course provides the student with a basic understanding of art and design history. It focuses on the discipline's contextual and chronological development. Particular emphasis will be given on work from 1850 to the present.

ART 2113  Color Visual Language (3 credit hours)
Color will be investigated in light of the physical, psychological and emotional effects it evokes. Lectures, research and studio projects will explore color theory and law, color harmonies, perceptual relationships, and the use of color as a communication tool.

ART 2123  Introduction to Fine Arts (3 credit hours)
See FA 2123

ART 2332  Photography (2 credit hours)
A study of basic photography equipment and history with an emphasis on camera operation and composition. 35mm camera required.

ART 2413  Vector & Raster Fundamentals I (3 credit hours)
See GDSG 2413

ART 2423  Vector & Raster Fundamentals II (3 credit hours)
See GDSG 2423

ART 3153  Promotional Strategies (3 credit hours)
An introductory course in advertising which involves the history of advertising, social and economic aspects of advertising, the advertising message, the advertising media, the advertising organization, and the background and planning of advertising strategy.

ART 3383  Publication Design & Production (3 credit hours)
An introductory computer and design class. Students will be taught how to use the latest Mac computers and desktop publishing programs including PageMaker, Microsoft, Photoshop, and others (as purchased). Course emphases are layout and design, typography, spot color and 4-color printing, web design and presentation graphics.

ART 3582  Art in the Elementary School (2 credit hours)
A course in art methods for elementary classroom teachers, and a study of characteristics and developmental stages of children and their art.
ART 4173  History of Art (3 credit hours)
A developmental survey from prehistoric to modern times. Emphasis will be given to the relationship of art to the various cultures.

ART 4183  Special Studies in Art (3 credit hours)

ART 4361-3 Special Studies in Art (1 - 3 credit hours)

ART 4371  Cultural & Communication Studies Colloquium (1 credit hour)
See ENGL 4931

AV (AVIATION)

AV 1113  Primary Ground Instruction (3 credit hours)
The student will obtain the aeronautical knowledge necessary to meet the requirements of Federal Aviation Regulation 61.105(a) to take the private pilot written test. Subject matter includes basic aerodynamics, aircraft systems, airspace and communications, map reading, flight planning, meteorology, physiological considerations, Airmanship, emergency procedures, flight safety, and federal aviation regulations. The appropriate FAA written examination will be the final examination for this course.

AV 1123  Primary Flying (3 credit hours)
The student will complete the aeronautical experience requirements for a private pilot certificate as specified in Federal Aviation Regulation 61.109. A minimum of 40 hours of flight time and a check-ride with an FAA examiner is required to obtain a private pilot's license. Instruction will be in accordance with the FAA's practical test standards in preparation for successful completion of the FAA check-ride, which will be the final examination for this course.

AV 3113  Instrument Ground Instruction (3 credit hours)
The student will obtain the aeronautical knowledge necessary to meet the requirements of Federal Aviation Regulation 61.65(b). Subject matter includes flight instruments, air traffic control system, approach charts, instrument approaches, meteorology, flight planning, airmanship, emergency procedures, flight safety, and federal aviation regulations. The appropriate FAA written examination will be the final examination for this course.

AV 3123  Instrument Flying (3 credit hours)
The student will obtain the aeronautical skill and experience necessary to meet the requirements for an instrument rating as specified in Federal Aviation Regulation 61.65(c). A minimum of 80 hours of flight time and a check-ride with an FAA examiner is required to obtain an instrument rating. Instruction will be in accordance with the FAA’s practical test standards in preparation for successful completion of the FAA check-ride, which will be the final examination for this course.

AV 3133  Commercial Ground Instruction (3 credit hours)
The student will obtain the aeronautical knowledge necessary to meet the requirements of Federal Aviation Regulation 61.125(a). Subject matter includes advanced aerodynamics, predicting airplane performance, controlling weight and balance, advanced airplane systems, commercial flight maneuvers, airmanship, emergency procedures, flight safety, and federal aviation regulations. The appropriate FAA written examination will be the final examination for this course.

AV 3143  Commercial Flying I (3 credit hours)
The student will begin to obtain the aeronautical skill and experience necessary to meet the requirements for a commercial pilot's certificate as specified in Federal Aviation Regulation 61.127(a). A minimum of 200 hours of flight time and a check-ride with an FAA examiner is required to obtain a commercial pilot's certificate. Instruction will be in accordance with the FAA’s practical test standards in preparation for successful completion of the FAA check-ride. Approximately 65 flight hours will be obtained during this course.

AV 3153  Commercial Flying II (3 credit hours)
The student will complete obtaining the aeronautical skill and experience necessary to meet the requirements for a commercial pilot's certificate as specified in Federal Aviation Regulation 61.127(a). A minimum of 200 hours of flight time and a check-ride with an FAA examiner is required to obtain a commercial pilot's certificate. The remaining flight hours will be obtained during this course. Instruction will be in accordance with the FAA’s practical test standards in preparation for successful completion of the FAA check-ride, which will be the final examination for this course.
**AV 4121**  
**Multi-Engine Flying (1 credit hour)**  
The student will receive instruction for an additional class rating in Multi-Engine airplanes as required in Federal Aviation Regulation 61.63(c). Instruction will be in accordance with the FAA’s practical test standards in preparation for successful completion of the FAA check-ride, which will be the final examination for this course.

**AV 4132**  
**Certified Flight Instructor (2 credit hours)**  
The student will receive instruction for a Flight Instructor Certificate as required by Federal Aviation Regulations 61.185 and 61.187. Instruction will be in accordance with the FAA’s practical test standards in preparation for successful completion of the FAA check-ride, which will be the final examination for this course.

**AV 4141**  
**Certified Flight Instrument Instructor (1 credit hour)**  
The student will receive instruction for Instrument Flight Instructor Certificate as required by Federal Aviation Regulations 61.185 and 61.187. Instruction will be given in accordance with the FAA’s practical test standards in preparation for successful completion of the FAA check-ride, which will be the final examination for this course.

**AV 4151**  
**Multi-Engine Instructor (1 credit hour)**  
The student will receive instruction for Multi-Engine Flight Instructor Certificate as required by Federal Aviation Regulation 61.191. Instruction will be given in accordance with the FAA’s practical test standards in preparation for successful completion of the FAA check-ride, which will be the final examination for this course.  
**Prerequisite:** Certified Flight Instructor (AV 4132) and Enrolled in or completed Multi-Engine Flying (AV 4121).

**AV 4181-3**  
**Internship/Directed Study (1-3 credit hours)**  
The student will complete an internship or individual study in an aviation related field or discipline to be approved by the Director of Aviation.  
**Prerequisite:** 12 credit hours of aviation, permission of the instructor, and 3.00 G.P.A.

**BADM (BUSINESS ADMINISTRATION)**

**BADM 1113**  
**Ethics & Business Principles (3 credit hours)**  
The ethical foundations of businesses are studied using examples and case studies from all aspects of business including how business is owned, organized, managed, and controlled. Marketing, management, banking, securities, insurance, government regulations and international business are surveyed with an emphasis on ethical issues found in each area.

**BADM 3103**  
**Business Communication (3 credit hours)**  
Principles of effective communication in a business environment. Practice in the preparation of letters, reports, and other forms of business writing. Course also includes a study of communication variables and barriers to effective communication in a business organization.  
**Prerequisite:** Composition II (ENGL 1213), Junior standing.

**BADM 3113**  
**Business Law I (3 credit hours)**  
A study of the law of business and its administration. The interaction of Government, Business, and Society, Contracts, Personal Property, Bailments, and Sales. The emphasis in the course is upon contracts and the influence of the UCC.

**BADM 3123**  
**Business Law II (3 credit hours)**  

**BADM 3133**  
**International Business Law (3 credit hours)**  
A study of the framework and functions of international law as it relates to business.

**BADM 3143**  
**Technical Communications (3 credit hours)**  
See ENGL 3143

**BADM 3153**  
**Issues in International Business (3 credit hours)**  
This course explores the cultural, political and economic aspects of conducting business in a global marketplace. This course builds upon the theoretical basis of other business courses.

**BADM 3163**  
**Senior Capstone: Ethics & Applications (3 credit hours)**  
This capstone course examines various theories of man and their relevance to personal and social values.
The course provides the basis to formulate or clarify a philosophy of life consistent with the demands of a responsible lifestyle in the contemporary business world.

**BADM 3173 Principles of Management Science (3 credit hours)**
A beginning course in quantitative techniques, including, but not limited to the following topics: cost volume analysis, probability concepts, decision theory, determinants and matrices, linear programming, Markov analysis, waiting lines, queuing costs, simulation, network models, and game theory.

**BADM 3181-3 Special Topics (1-3 credit hours)**
Course description depends on the course being offered and can be found in the Office of the Registrar during the term the course is offered.

**BADM 4163 Contemporary Issues in Business (3 credit hours)**
An applied study of the managerial and marketing aspects of the business firm. Current writings and case studies will be emphasized.

**BADM 4181-3 Internship/Directed Study (1-3 credit hours)**
Para-professional experience or individual study of problems or reading in business and economics. **Prerequisite:** 12 credit hours of business, permission of the instructor, and 3.00 G.P.A.

**BADM 4413 Human Resources Administration (3 credit hours)**
This course presents the policies of recruitment, selection, training, development, and compensation of employees. Attention is given to affirmative action, equal employment opportunity, and the Office of Safety and Health Administration (O.S.H.A.) legislation.

**BADM 4423 Applied Research & Reporting (3 credit hours)**
This course provides for the study and application of principles, methods, and techniques required to conduct and report applied research. The course also emphasizes the skills needed to report the research in both written and oral presentation.

**BADM 4433 Senior Research Project (3 credit hours)**
The project requires the student to analyze an organizational problem, select appropriate research methodology to examine solutions, and evaluate the implementation. The project results are reported in both written and oral presentation.

**BADM 4435 Senior Research Project (5 credit hours)**
The project requires the student to analyze an organizational problem, select appropriate research methodology to examine solutions, and evaluate the implementation. The project results are reported in both written and oral presentations.

**BADM 4442 Introduction to Management/Administration (2 credit hours)**
This course examines management styles and supervisory principles relevant to the administration of programs for the family and aging individual.

**BIOLOGY (BIOL)**

**BIOL 1113 Introduction to Biological Science (3 credit hours)**
A course for non-science majors, emphasizing human aspects of biology—especially the human body and health, and human interaction with and responsibility for the environment. Two lecture/discussion periods and two hours of lab experience per week.

**BIOL 1314 Organismal Biology (4 credit hours)**
An introductory organismal biology course intended for first semester Biology and Bochum majors. The topics in this course will include Zoology, Botany, and Ecology. This course will also serve as a natural science course with lab for non-majors.

**BIOL 1324 Cells and Systems (4 credit hours)**
An introductory cellular/human biology course intended for second semester Biology and Bochum majors. The topics in this course will include Eukaryotic Cell Anatomy, Metabolism, Genetics, and Body Systems. This course will also serve as a natural science with lab for non-majors.

**BIOL 2124 Microbiology (4 credit hours)**
A study of pure culture methods of analysis and the morphology and physiology of bacteria and other microorganisms. Three lectures and one four-hour lab per week. **Prerequisite:** Organismal Biology (BIOL 1314) or Human Anatomy (BIOL 2224), and four credit hours in Chemistry or permission of instructor.
BIOL 2224  Human Anatomy (4 credit hours)
A systematic study of human body structure with an emphasis on understanding how structure determines function. The basic organization of the body at the level of cells, tissues, organs, systems, and the organism are explored. Embryology, the integration, communication, transport and relatedness between systems, and health applications are also discussed. Laboratory experiences include study of the human cadaver. Three 50-minute lectures and one 3-hour lab per week.

BIOL 2234  Human Physiology (4 credit hours)
A systematic study of how the human body functions. All aspects of function, beginning with the physical, chemical, and cellular levels and continuing into overall integrated functions of organs, systems, and whole organism are investigated. A clear understanding of normal physiology aids in illuminating how abnormal physiological function leads to human disease. Three 50 minute lectures and one 3-hour lab per week. Prerequisite: General Chemistry (CHEM 1124/1224) and Anatomy (BIOL 2224).

BIOL 2321-3  Introduction to Research in Biology (1-3 credit hours)
Hands-on experience in biological research, under the supervision of member of the Biology faculty. Students will develop foundational skills necessary for carrying out future independent research projects. Course content will include introduction to literature search, experimental design, data collection/analysis/presentation, and exposure to numerous research techniques. This course is graded on pass-fail basis and can be taken a maximum of two semesters for credit. Prerequisite: One semester of a biological science and permission of the supervising faculty member.

BIOL 2672  Terminology for Health Professions (2 credit hours)
This course is designed to provide the student with an understanding of terminology used by health care professionals. On-line and CD-ROM instruction is used to enable the student to develop an extensive medical vocabulary using a competency based format.

BIOL 3013  Tropical Ecology and Sustainability (3 credit hours)
Ecology is the study of relationships between organisms and their environment. A study of ecology in a biological hotspot like Costa Rica is an act of sampling type of organisms and focusing on how they live and interact with other environmental elements. The approach taken in this course is to bring together students and expert faculty guides to explore tropical ecology in the Costa Rican context. Expert faculty guides will rotate into the QERC community and lead students in the study of particular ecological elements as defined by their own specialization. Students will also observe the interactions of humans, as an organism in the environment, and examine the ways humans construct relationships with the environment that foster varying degrees of sustainability. Topics may include botany, microbial biology, ornithology, herpetology, stream biology, invertebrate biology, conservation, etc.

BIOL 3043  Field Studies in Tropical Ecology (3 credit hours)
See QERC 4003

BIOL 3053  Tropical Biology QERC (3 credit hours)
A course designed to acquaint the student with basic biological principles as they apply to a specific biome. Floral, faunal, conservation and ecological principles are emphasized. A research paper is required. Offered in some mini-terms and summers. The four-hour component includes work on-site at the QERC. Prerequisite: Permission of instructor.

BIOL 3105  Tropical Ecology and Sustainability (5 credit hours)
Ecology is the study of relationships between organisms and their environment. A study of ecology in a biological hotspot like Costa Rica is an act of sampling types of organisms and focusing on how they live and interact with other environmental elements. The approach taken in this course is to bring together students and faculty guides to explore tropical ecology in the Costa Rican context. Expert faculty guides will rotate into the QERC community and lead students in the study of particular ecological elements as defined by their own specialization. Students will also observe the interactions of humans, as an organism in the environment, and examine the ways humans construct relationships with the environment that foster varying degrees of sustainability. Topics may include botany, microbial biology, ornithology, herpetology, stream biology, invertebrate biology, conservation, etc.

BIOL 3115  Comparative Anatomy (5 credit hours)
The phylogeny of the vertebrates and their anatomy and developmental homologies from a comparative standpoint. A basic course for students in pre-professional health fields and all Biology students. Three lectures and two, three-hour laboratory sessions per week. Prerequisite: Organismal Biology (BIOL 1314) or equivalent.

BIOL 3123  Genetics Lecture (3 credit hours)
BIOL 3124  Genetics (4 credit hours)
Classical and molecular genetics, population genetics, and cytogenetic are studied through lecture and
discussion. Student laboratory investigations are conducted with Drosophila melanogaster, Caenorhabdi-
tis elegans, and Escherichia coli; and students karyotype their own cells. P.C.R. and gel electrophoresis are
introduced. Three lectures and three hours of lab per week. Prerequisite: Cells and Systems (BIOL 1324)
or Organismal Biology (BIOL 1314).

BIOL 3154  General Ecology (4 credit hours)
A study of the dynamics of organismal interactions with each other and their environment. Field work will
constitute a major part of the lab work. Two lectures and one four-hour lab per week. Prerequisite:
Cells and Systems (BIOL 1324), Organismal Biology (BIOL 1314), and consent of instructor.

BIOL 3163  Tropical Ecology QERC (3 credit hours)
An amplification of BIOL 3154 to the tropical biome. Emphasis is placed on altitudinal zonations with
respect to associated climatological and biotic features. A research problem in some phase of tropical
ecology is required. Offered summers at QERC. Prerequisite: Cells and Systems (BIOL 1324), Organismal
Biology (BIOL 1314), and General Ecology (BIOL 3154) or permission of instructor.

BIOL 3173  Plant Taxonomy (3 credit hours)
An introduction to the terminology and methodology involved in the identification of plants. Emphasis will
be placed on the angiosperms. A plant collection will be required. One lecture and four hours of field or
laboratory work per week.

BIOL 3182  Environmental Monitoring (2 credit hours)
Environmental monitoring is the act of measuring changes in the quality of the environment in order to
guide decisions of policy or activity, and in order to detect improvements as a result of actions taken or
degradation as a result of human activity. In this course, students will participate in ongoing
environmental monitoring studies in the San Gerardo area conducted by QERC. QERC monitors elements
of local weather, water quality, plant succession, aquatic invertebrates, quetzal nesting, Lauraceae
phenology, and human/livestock populations. Students will rotate through a program in which they will
have opportunity to learn appropriate monitoring methodology and collect data and record it in the
environmental database maintained by QERC.

BIOL 3193  Origins (3 credit hours)
A multi-disciplinary search for the origins of the universe, galaxies, our solar system, earth, life, diversity of
living organisms, and the human body. The fields of nuclear physics, astronomy, geology, embryology,
comparative anatomy, genetics, cell and molecular biology, and biochemistry inform the search for
physical origins. Metaphysical questions about origins are informed by scholars in Biblical analysis,
thology, philosophy, and literature. Each student will develop an annotated bibliography and a scholarly
paper integrating course content with his/her own worldview.

BIOL 3204  Advanced Physiology (4 credit hours)
A systematic study of the function of vertebrate body systems from the cellular level up to the organism
level. Clinical examples will be discussed to illuminate physiological processes. Laboratory studies will
demonstrate research techniques and augment theoretical concepts. Three lectures and three hours of
laboratory experience per week. Prerequisite: Organismal Biology (BIOL 1314), General Chemistry
(CHEM 1124) and Cell and Molecular Biology (BIOL 4283) or permission of instructor.

BIOL 3213  Ornithology (3 credit hours)
A course designed to acquaint the student with basic avian biology and ecology and the techniques
involved in field identification. Field laboratories will be conducted in conjunction with the lecture
presentation. One lecture and three hours of field work per week. Field laboratories normally commence
at daybreak on Saturdays.

BIOL 3233  Entomology (3 credit hours)
A study of the taxonomy, anatomy, and life histories of the orders and representative families of insects.
Lectures, student reports, video tapes and laboratory work are included. A sizable collection of classified
insects or photographic documentation of extensive field work is required. Prerequisite: Organismal
Biology (BIOL 1314) or equivalent.

BIOL 3241-4  Special Topics in Biology (1-4 credit hours)
Contains courses or topics not offered on a regular basis, but on student demand or in the event of special
field trips. Possibilities include invertebrate zoology, plant morphology and anatomy, and physical
anthropology. Interest in class enrollment must be indicated prior to semester course will be offered.
BIOL 3251 Special Topics in Tropical Biology (1 credit hour)
As in BIOL 3243 but applied to a tropical setting. Topic might include microbiology, sea-turtle biology, deforestation problems and solutions, research topics and cloud-forest biology, and studies in tropical agro-ecosystems. Offered at QERC. **Prerequisite:** Topical ecology QERC (BIOL 3163).

BIOL 3253 Special Topics in Tropical Biol (3 credit hours)
As in BIOL 3243 but applied to a tropical setting. Topic might include microbiology, sea-turtle biology, deforestation problems and solutions, research topics and cloud-forest biology, and studies in tropical agro-ecosystems. Offered summers at QERC. **Prerequisite:** Tropical Ecology QERC (BIOL 3163).

BIOL 3263 Cell and Molecular Biology (3 credit hours)
A study of the structure and function of cells, including the ultra-structure and roles of cytoplasmic and nuclear components. Nucleocytoplasmic relations, and intermediary metabolic pathways will be covered. Three lectures per week. **Prerequisite:** General Chemistry I & II (CHEM 1124/1224).

BIOL 3304 Woody Plants (4 credit hours)
Taxonomy, ecology, management, and stewardship of trees and shrubs. Presents the systematic botany of local woody flora including identification by foliage, twigs, wood, and bark, and trees of major economic and ecological importance worldwide. Given in the context of ethical and global questions of deforestation, global warming trends, old growth forest values, lumbering, forest ecosystem restoration, and land stewardship. **Prerequisite:** One year of General Biology or one semester of Organismal Biology (BIOL 1314).

BIOL 3324 Insect Biology & Ecology (4 credit hours)
A study of insect taxonomy, ecology, life histories, and economic importance. Special attention is given to environmental stewardship issues including use of insecticides, biological control, integrated pest management, and impact of cultivation on formation of pest faunas. Field methods are stressed. **Prerequisite:** One year of General Biology or one semester of Organismal Biology (BIOL 1314).

BIOL 3424 Fish Biology & Ecology (4 credit hours)
Identification, ecology, exploitation and stewardship of fishes and their habitats. Field studies include non-commercial and commercial fisheries in the Great Lakes region, ecological dynamics of fisheries exploitation and population ecology, fishing techniques, and fishing rights and regulation.

BIOL 3483 Advance Human Anatomy: Cadaver Dissection (3 credit hours)
An intensive course designed primarily for pre-medical, pre-dental and allied health students in the last semester before they enter professional school. One hour of lecture and two hours of scheduled laboratory work per week. Dissection requires additional hours outside of lab time. Enrollment limited to 12 (priority to senior students). **Prerequisite:** Comparative Anatomy of the Vertebrates (BIOL 3115) and permission of instructor.

BIOL 3504 Environmental Ethics (4 credit hours)
Contemporary problems of environmental stewardship are investigated, including use of renewable and nonrenewable natural resources, pollution, appropriate land use and development, third world concerns and preservation of wild nature. These problems are set in a historical perspective of human relationships to the natural environment, especially as this relationship is viewed in the light of Christian thought and doctrine. Current attempts to develop a theology of nature and principles of Christian stewardship are considered.

BIOL 4002-3 Tropical Field Research (2-3 credit hours)
This course is designed to engage the student in the processes of planning, proposing, completing, and presenting a scientific research project. The research process is an integral experience in teaching science students how to implement the scientific method in order to answer a specific research question. By practicing the scientific method, students will gain an understanding of the research process and then be able to present their findings to the local community and to fellow students and research scientists in a conference type setting.

BIOL 4122 Tropical Medicine (2 credit hours)
This course introduces students to the most important bacterial, viral, parasitic, and mycotic pathogens in the tropics and to clinical features of the associated diseases not ordinarily covered in depth in a microbiology course, such as cholera, tuberculosis, leprosy, arboviral infections, and hemorrhagic fevers, among others. Topics covered will include geographic distribution, etiology, transmission, pathogenesis, clinical features of relevant diseases, immunologic considerations, diagnosis, treatment, control and the social determinants of health. The class will also focus on the Costa Rican health system and the social
determinants of health. Moreover, human behavior associated with the transmission of infection and of local perceptions of the disease will be included.

Biol 4133  Tropical Microbiology (3 credit hours)
An investigation into the importance and presence of microorganisms in a tropical environment. Characteristics and types of known fungi and bacteria will be studied. Students will describe fungi and bacteria cultured and isolated in Costa Rica. A final paper will consist of literature research on known tropical microorganisms and documentation of field experiences and data collection in Costa Rica. Offered summers at SNUQERC. Prerequisite: Cells and Systems (BIOL 1324) and Organismal Biology (BIOL 1314) or one year of Introductory Biology (BIOL 1113) or permission of instructor.

Biol 4143  Molecular Genetics (3 credit hours)
A study of the regulatory mechanisms governing gene expression in both prokaryotic and eukaryotic cells and their viruses. Alterations in normal eukaryotic genetic regulatory mechanisms that result in oncogenetic transformation will also be explored. Prerequisite: Genetics (BIOL 3124), Cell and Molecular Biology (BIOL 3263), and Biochemistry (CHEM 3133/3134) or permission of instructor.

Biol 4163  Animal Behavior (3 credit hours)
An introduction to the study of animal behavior through discussion, observation, and experimental methods. Laboratory periods will involve the learning of observation techniques and the conducting of an individual behavioral research project. A paper will be required at the completion of the project. Two lectures and one three-hour lab per week. Prerequisite: Organismal Biology (BIOL 1314) or a course in Psychology.

Biol 4174  Natural History of the Vertebrates (4 credit hours)
Taxonomy, behavior, distribution, and ecology of the vertebrates with emphasis on the Oklahoma fauna. Several field trips to portions of Oklahoma will be taken during the spring, during which collections will be made. Field trip fees will be collected by the department. Two lectures and a minimum of four hours lab work per week.

Biol 4181  Research in Biology (1 credit hour)
Students will engage in personal research on a topic of interest selected in consultation with a Biology faculty member. May include field or laboratory work in such fields as ecology, taxonomy, microtechniques, biochemical techniques, or others of interest. A final written report of procedures and results is required.

Biol 4182-3 Research in Biology (2-3 credit hours)
Students will engage in personal, independent research on a topic of interest selected in consultation with a biology faculty member. May include laboratory or field research in such arenas as ecology, taxonomy, microbiology, molecular biology, biochemistry, biophysics, or others of interest. The research will be of independent nature allowing the student to exercise a maximum amount of creativity, discipline, and scientific integrity. The student will perform a literature search, do experimental design and carry out the research plan. A major paper will be developed and the results presented in a public forum in professional format. Prerequisite: Biol 2321-2 and/or permission of consulting faculty member.

Biol 4262  Human Histology (2 credit hours)
Students view videotapes and professor-narrated photographic and microscope slides of representative epithelia, muscle, nerve and connective tissues, and their appearance in the major organ systems. Laboratory work consists of microscope identification and study of tissues sections and consultation with the instructor. One lecture and two hours of laboratory work per week. Prerequisite: Organismal Biology (BIOL 1314) and/or a vertebrate or human anatomy course.

Biol 4272  Human Embryology (2 credit hours)
A basic course in human embryonic and fetal development, from conception to parturition. The first one-third of the course is a general overview, followed by a more detailed systemic analysis of development. Some consideration is given to spontaneous and environmentally-induced abnormalities. Class meets weekly. Prerequisite: Genetics (BIOL 3124) and/or Comparative Anatomy of the Vertebrates (BIOL 3115) and consent of instructor.

Biol 4292  Immunology (2 credit hours)
A study of the immune system including immunobiology, allergy and hypersensitivity; immunosuppression, serology, immunodeficiency, autoimmunity, transplantation and tumor immunology. Prerequisite: 15 credit hours of Biology including Microbiology (BIOL 2124), Organic Chemistry (CHEM 3114) or permission of instructor.
Biol 4301  Professional Development (1 credit hour)

Biol 4391  Molecular Biology Lab (1 credit hour)
A laboratory course designed to provide practical experience with modern methodologies of genetic engineering. Theoretical and practical aspects of DNA isolation, manipulation, and cloning. Polymerase Chain Reactions, blot hybridization analysis, and basic electrophoretic techniques are explored.

B LT (BIBLICAL LITERATURE)

B LT 1163  Introduction to Biblical Literature (3 credit hours)
See G S 1163

B LT 2013  Old Testament Literature and Life (3 credit hours)
Old Testament Literature and Life is a sophomore level, General Education course. Its purpose is to identify the basic knowledge of the Bible - story line, main characters, books, great chapters, and teaching, and develop skills in understanding and communicating their meaning - that is expected will be known by all members of the SNU community of faith. This course is the product of the conviction of the SNU Faculty that a working knowledge of the Bible is essential for the fulfillment of the University mission to build responsible Christian persons. Prerequisite: sophomore standing, THEO 1513 Christian Faith and Life.

B LT 2023  New Testament Literature and Life (3 credit hours)
New Testament Literature and Life is a sophomore level, General Education course. Its purpose is to identify the basic knowledge of the Bible - story line, main characters, books, great chapters, and teaching, and develop skills in understanding and communicating their meaning - that is expected will be known by all members of the SNU community of faith. This course is the product of the conviction of the SNU Faculty that a working knowledge of the Bible is essential for the fulfillment of the University mission to build responsible Christian persons. Prerequisite: sophomore standing, THEO 1513 Christian Faith and Life.

B LT 2163  Methods in Biblical Study (3 credit hours)
An introduction to exegetical theology and methodology. Instruction in writing exegetical papers will precede the major written exegetical project. This course is the prerequisite for all upper division Bible literature courses for Theology & Ministry majors.

B LT 3013  Introduction to Biblical Interpretation (3 credit hours)
See G S 3013

B LT 3113  Pentateuchal Narratives (3 credit hours)
An exegetical study of the narrative literature in the books of Genesis and Exodus focusing especially on the theological interpretation of Israel’s origin and early history including the concepts of creation, sin, promise, election and deliverance. The role of these narratives in the Pentateuch and the larger Old Testament canon will also be examined. Prerequisite: For majors in the School of Theology & Ministry: Introduction to Biblical Literature (B LT 1163), and Methods in Biblical Study (B LT 2163).

B LT 3123  Historical Books: The Former Prophets (3 credit hours)
A study of the books of the Former Prophets focusing on the historical setting of the Hebrew Commonwealth and Israelite Monarchy, the development of oral and literary traditions interpreting that history and the theological implications of the canonical form of those traditions. This course includes the books of Joshua, Judges, 1 and 2 Samuel, and 1 and 2 Kings. Prerequisite: For majors in the School of Theology & Ministry: Introduction to Biblical Literature (B LT 1163) and Methods in Biblical Study (B LT 2163).

B LT 3223  Ideology Land: Arab & Jewish Perspectives (3 credit hours)
This course will offer perspectives on ancient issues in Israel and the Arab world as well as current contemporary issues in the world/land of Arab countries with respect to Israel with specific attention to how particular theological ideologies have shaped ideas and persons in this land. (Arab countries may include one or several countries located in the region around Israel.) The course will include: a review of the history of people groups living in modern Arab countries focused in and around ancient and Modern Israel, a review of geographical features and locations that make up Ancient & Modern Israel specifically, and a review of theological and biblical perspectives of faith claims or stories made with respect to these locations and this land. One component of this course offering will include the opportunity to travel to one of several Arab countries territories in and around Israel along with travel to Israel in order to gain first hand the "land," cultures, customs, and people. The course can not be exhaustive in scope but will attempt to faithfully, critically and intentionally integrate perspectives that are aware of Jewish, Christian, and
Islamic faith-traditions with the assistance of outside experts, resources (print and media), and lectures as they are available.

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<th>Credit Hours</th>
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<tbody>
<tr>
<td>B LT 3233</td>
<td>The Bible as Literature</td>
<td>3</td>
<td>The examination of literary types within the Bible, with attention given to writers' narrative, poetic, and dramatic techniques. Prerequisite: Introduction to Literature (ENGL 2413) or permission of instructor.</td>
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<tr>
<td>B LT 3243</td>
<td>Matthew and Mark</td>
<td>3</td>
<td>A study of the life and teachings of Jesus as presented in these two Synoptic Gospels, with special attention to their literary relationships, and the uniqueness of their respective portrayals of Jesus. Prerequisite: For majors in the School of Theology &amp; Ministry: Introduction to Biblical Literature (B LT 1163) and Methods in Biblical Study (B LT 2163).</td>
</tr>
<tr>
<td>B LT 3253</td>
<td>Pauline Epistles</td>
<td>3</td>
<td>A study of the life and teachings of the Apostle Paul as presented in his epistles, supported by the narrative of his mission activity in the Acts of the Apostles. Prerequisite: For majors in the School of Theology &amp; Ministry: Introduction to Biblical Literature (B LT 1163) and Methods in Biblical Study (B LT 2163).</td>
</tr>
<tr>
<td>B LT 4123</td>
<td>8th &amp; 7th Century Prophets</td>
<td>3</td>
<td>An exegetical study of the prophetic literature of the 8th and 7th centuries B.C., focusing on the major themes of prophetic preaching, the phenomena of prophecy and the prophetic response to history. This course includes the books of Amos, Hosea, Micah, Isaiah 1-39, with some attention to Nahum, Habakkuk, Zephaniah and Joel. This course is approved for graduate level credit, with additional reading and research. Prerequisite: For majors in the School of Theology &amp; Ministry: Introduction to Biblical Literature (B LT 1163) and Methods in Biblical Study (B LT 2163).</td>
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<tr>
<td>B LT 4173</td>
<td>Johanne Literature</td>
<td>3</td>
<td>An investigation of the characteristics, purposes, and central themes of the gospel and epistles of John. This course is approved for graduate level credit, with additional reading and research. Prerequisite: For majors in the School of Theology &amp; Ministry: Introduction to Biblical Literature (B LT 1163) and Methods in Biblical Study (B LT 2163).</td>
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<tr>
<td>B LT 4181-3</td>
<td>Directed Study</td>
<td>1-3</td>
<td>Individual study program. Professor permission required. This course is approved for graduate level credit, with additional reading and research.</td>
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<tr>
<td>B LT 4193</td>
<td>General Epistles &amp; Revelation</td>
<td>3</td>
<td>A literary, cultural and theological analysis of the Epistle to the Hebrews, the Epistles of James, Jude and Peter, and the book of Revelation. This course is approved for graduate level credit, with additional reading and research. Prerequisite: For majors in the School of Theology &amp; Ministry: Introduction to Biblical Literature (B LT 1163) and Methods in Biblical Study (B LT 2163).</td>
</tr>
<tr>
<td>B LT 4213</td>
<td>Poetic and Wisdom Literature</td>
<td>3</td>
<td>An exegetical study of the Psalms and Wisdom Literature of the Old Testament, focusing on the literary form, the social and religious milieu and the theological significance of selected Psalms, the books of Proverbs, Job and Ecclesiastes, as well as a brief survey of extra-canonical wisdom literature. This course is approved for graduate level credit, with additional reading and research. Prerequisite: For majors in the School of Theology &amp; Ministry: Introduction to Biblical Literature (B LT 1163) and Methods in Biblical Study (B LT 2163).</td>
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<tr>
<td>B LT 4273</td>
<td>Luke-Acts</td>
<td>3</td>
<td>A study of the Lukan writings as a literary unit which covers the history of the Gospel from its beginnings in the life and ministry of Jesus through its proclamation to the world in the life and ministry of the Early Church. Attention will be given to the literary relations between Luke and the other Synoptic Gospels, as well as to the unifying themes of Luke-Acts. This course is approved for graduate level credit, with additional reading and research. Prerequisite: For undergraduate majors in the School of Theology &amp; Ministry: Introduction to Biblical Literature (B LT 1163) and Methods in Biblical Study (B LT 2163).</td>
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**C ED (CHRISTIAN EDUCATION )**

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<tr>
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<tbody>
<tr>
<td>C ED 2123</td>
<td>Foundations of Christian Education</td>
<td>3</td>
<td>This is the introductory course for Christian Education majors and minors. An extensive look at philosophical and theological basics, the history of the movement, the educational roots in Hebrew tradition and American history, and a look at significant religious educators of the past and present.</td>
</tr>
</tbody>
</table>
C ED 2143  Psychology of Childhood (3 credit hours)
A course designed for the understanding, predicting, and changing of the behavior of children. Consideration is given to the influences affecting the child both preceding and following the actual stages of childhood. **Prerequisite:** 12 hours of college credit or permission of the instructor.

C ED 2173  Psychology of Children & Youth (3 credit hours)
See PSY 2173

C ED 3023  Ministry, Church, & Society (3 credit hours)
See G S 3023

C ED 3153  Christian Education in a Multi-Cultural Context (3 credit hours)
An investigation into the principles and methods necessary for teaching children, youth, and adults in the multi-cultural context. Special attention will be given to developing strategies for cross-cultural Christian education visioneering, programming, and implementation.

C ED 3173  Survey of Children's Ministry (3 credit hours)
A study of the developmental needs, organization and administration, methods and techniques, pertaining to the spiritual development of children within the context of the local church and the Christian home.

C ED 3193  Family Ministry in the Local Church (3 credit hours)
An examination into the principles of ministry required to create multi-generational spiritual health within the local congregation through creative and effective ministries to the family.

C ED 3223  Survey of Worship (3 credit hours)
See C M 3223

C ED 3323  Evangelism & Church Renewal (3 credit hours)
The history, place and methodologies of evangelism are studied in the context of the local church. The strategies of both evangelism and renewal in giving vitality to the church are stressed.

C ED 4003  Special Studies (3 credit hours)

C ED 4123  Life Span Ministries (3 credit hours)
An exploration of spiritual formation and ministry across the human life span. Special attention will focus on the cognitive development of children, youth, and adults as it relates to spiritual development and the formation of whole persons in Christ.

C ED 4133  Survey of Youth Ministry (3 credit hours)
* A study of the developmental needs, organization and administration, methods and techniques, pertaining to the context of a local church ministry to young people. The course will include interaction with full-time youth pastors in the field. *This course is approved for graduate level credit, with additional reading and research.

C ED 4143  Survey of Adult Ministry (3 credit hours)
* A study of the developmental needs, the organization and administration, methods and techniques, that formulate educational programming for ministry of adults in the local church environment. *This course is approved for graduate level credit, with additional reading and research.

C ED 4153  Multiple Staff Ministry (3 credit hours)
* A study of the principles of organizing and maintaining a paid staff in the local church, with consideration given to the opportunities and problems of multiple staff operation. *This course is approved for graduate level credit, with additional reading and research. **Prerequisite:** Foundations of Christian Education (C ED 2123) and Evangelism and Church Renewal (C ED 3323).

C ED 4173  Crisis Ministry: Advocacy & Intervention (3 credit hours)
A special examination of the issues faced by a minister responding to people in crisis. Special attention will be placed upon navigating the welfare entitlement system, penal and judicial system, juvenile justice system faith-based ministry paradigms, and social crisis ministries resulting in an informed minister who can wisely partner with society in bringing hope and comfort to at risk families and individuals.

C ED 4212  Church Music Administration (2 credit hours)
See C M 4212

C ED 4281-4  Age Group Special Studies (1-4 credit hours)
A combination of directed study and practicum specializing in either Children, Youth, or Adult Ministries.
CHEM (CHEMISTRY)

CHEM 1025  General Chemistry for Health Professions (5 credit hours)
This course is designed to meet the needs of students who are pursuing nursing, physical therapy, or other allied medical programs. It is designed to acquaint the student with basic chemical concepts in the areas of general, organic, and biochemistry. Does not count towards a major or minor in Chemistry. The specific topics emphasize the role of chemical substances in metabolic processes.

CHEM 1033  Chemistry, Environment & Health (3 credit hours)
A liberal arts course in chemistry designed to help the student understand the role that chemistry has in modern living. Topics such as polymers, medicines, food, etc., will be discussed, with emphases placed on health and the environment. Does not count towards a major or minor in Chemistry. No prerequisites required. Two lectures and one 3-hour lab per week.

CHEM 1124  General Chemistry I (4 credit hours)
A systematic study of the principal non-metallic elements and their compounds together with the fundamental principles and laws of science. Open to those who have had no previous course in chemistry as well as to those who offer chemistry as an entrance unit. Three lectures, one recitation period, and one three-hour laboratory period per week. Prerequisite: Algebra II; Recommended: 1 year High School Chemistry

CHEM 1224  General Chemistry II (4 credit hours)
A continuation of General Chemistry I (CHEM 1124) but with emphasis upon the metallic elements and their compounds. A brief introduction to organic chemistry is also included. Three lectures, one recitation period and one three-hour laboratory period per week. Emphasis in the laboratory is on the qualitative analysis and the properties of the common ions. Prerequisite: General Chemistry I (CHEM 1124).

CHEM 3024  Analytical Chemistry I (4 credit hours)
The principles and techniques of quantitative analysis. Emphasizes volumetric and gravimetric methods of analysis and includes an introduction to instrumental methods of analysis. Three lectures and one three-hour laboratory period per week. Prerequisite: General Chemistry II (CHEM 1224).

CHEM 3111  Organic Chemistry I Lab (1 credit hour)
The laboratory emphasizes separation methods, synthesis, and introduces the student to instrumental methods: GC, IR, and NMR. One three-hour laboratory period per week.

CHEM 3113  Organic Chemistry I (3 credit hours)
Beginning the study of organic chemistry. Primary emphasis on stereochemistry, acid-base theory, infrared and NMR spectroscopy, the basis of mechanistic interpretation and several functional group topics: alkanes, alkenes, alkynes, alcohols.

CHEM 3114  Organic Chemistry I (4 credit hours)
Beginning the study of organic chemistry. Primary emphasis on stereochemistry, acid-base theory, infrared and NMR spectroscopy, the basis of mechanistic interpretation and several functional group topics: alkanes, alkenes, alkynes, alcohols. The laboratory emphasizes separation methods, synthesis, and introduces the student to instrumental methods: GC, IR, and NMR. Three lectures and one three-hour laboratory period per week. Prerequisite: General Chemistry II (CHEM 1224) or permission of instructor.

CHEM 3121  Organic Chemistry II Lab (1 credit hour)
Most of the laboratory emphasizes organic qualitative analysis. One three-hour laboratory period per week.

CHEM 3125  Organic Chemistry II (5 credit hours)
A continuation of Chemistry 3114. The remaining functional groups are studied with heavy emphasis on mechanistic interpretation. Bioorganic topics are carbohydrates and lipids. Most of the laboratory emphasizes organic qualitative analysis. Four lectures and one three-hour lab per week. Prerequisite: Organic Chemistry I (CHEM 3114).

CHEM 3133-4  Biochemistry (3-4 credit hours)
Principles topics are protein structure and function; enzymes with emphasis of selected enzyme mechanisms; DNA structure and synthesis; DNA translation and protein synthesis; detailed aspects of energy metabolism; selected areas of intermediary metabolism from fatty acid catabolism, steroid syntheses, selected amino acid catabolism, gluconeogenesis, cell signaling and regulation. Three lectures per week (if enrolled in CHEM 3134 there is one three-hour laboratory period per week). Prerequisite: Organic Chemistry I (CHEM 3114).
CHEM 3142  **Readings in Advanced Organic Chemistry (2 credit hours)**
Study in approved subjects from the area of modern organic chemistry. Possible topics include orbital symmetry rules, advanced synthetic methods, structure reactivity relationships. Intended especially for those persons that are preparing for a career in chemistry or a graduate program in chemistry. **Prerequisite:** Organic Chemistry II (CHEM 3125) and junior standing.

CHEM 3213  **Physical Chemistry: Quantum Chemistry (3 credit hours)**
Introduction to quantum theory, including crucial anomalies from Newtonian physics and fundamental postulates of the quantum paradigm; wave functions and superposition; operators, commutation relations, and their interpretations for measurement; position and momentum space; Fourier transforms. The Schrödinger equation; its stationary states and eigenfunctions; approximation methods, especially perturbation theory. Central potentials and the hydrogenic atom. **Prerequisite:** See Quantum Mechanics (PHYS 3213)

CHEM 3253  **Analytical Chemistry II (3 credit hours)**
The principles and applications of modern instrumental methods of chemical analysis. Especially emphasizes those instrumental techniques not studied in other courses of the curriculum. Two lectures and one three-hour laboratory period per week. **Prerequisite:** Analytical Chemistry I (CHEM 3024) or permission of instructor.

CHEM 3272  **Methods in Science: Chemistry (2 credit hours)**
A study of the philosophy and methods in science teaching with emphasis on laboratory investigation. Consideration will be given to concepts and conceptual schemes in science as well as the different approaches in high school science teaching. Supplies, equipment and facilities will also be studied. **Prerequisite:** Admission to the professional semester.

CHEM 4114  **Physical Chemistry (4 credit hours)**
A systematic treatment of classical thermodynamics with an emphasis on the application of the first and second laws to chemical and physical changes. Applications are made to chemical equilibrium, electrochemical cells, and other spontaneous processes. Three lectures and one laboratory per week. **Prerequisite:** General Physics for Scientist & Engineers (PHYS 2114) and Calculus II (MATH 2424).

CHEM 4133-4  **Advanced Inorganic Chemistry (3-4 credit hours)**
A one-semester course designed to acquaint the student with the following: a theoretical picture of bonding as it relates to inorganic compounds, the descriptive chemistry of the representative elements, the descriptive chemistry of transition metals and organo-metallic compounds. The course is highly recommended for persons planning to enter graduate school in chemistry or to seek employment as a chemist. Three lectures per week (if enrolled in CHEM 4134 there is one three-hour laboratory period per week). **Prerequisite:** General Chemistry II (CHEM 1224), Organic Chemistry II (CHEM 3125), and junior standing.

CHEM 4181-2  **Research Project in Chemistry (1-2 credit hours)**
An introduction to literature search and experimental work as applied to the solution of chemical problems. Projects may be chosen from the areas of organic, analytical, biochemistry, and inorganic. Course especially stresses the importance of individual initiative in chemical research. Credit earned depends upon the project chosen and the quality of work done.

CHEM 4191  **Seminar in Chemistry (1 credit hour)**
Designed to cover important concepts as they are reflected in the various subdisciplines of chemistry from an integrated viewpoint. Activities include discussions and presentations by students. May be repeated for additional credit.

CHEM 4211  **Chemical Kinetics (1 credit hour)**
A study of the present theories of chemical rates of reactions and applications to mechanisms. Discussion of experimental methods will also be included. One lecture per week. **Prerequisite:** General Chemistry II (CHEM 1224), Organic Chemistry II (CHEM 3125), Calculus II (MATH 2424).

CHEM 4291-3  **Special Topics in Chemistry (1-3 credit hours)**
Offers the student an opportunity to engage in independent study of advanced topics in chemistry. Instructional tools used may be practica, computer software, or audio-visual materials.

CHEM 4391  **Biochemistry Lab (1 credit hour)**
C HS (CHURCH HISTORY)

C HS 2113  History & Polity of Nazarene Church (3 credit hours)
A SCHOOL CORE REQUIREMENT. A survey of the history and polity of the Church of the Nazarene with due regard to its organization, development, growth, constitution and study of the MANUAL. Prerequisite: Junior Standing.

C HS 3113  Introduction to Church History (3 credit hours)
A study of the development of the Christian Church in its historical, socio-cultural, economic and political context from its inception to modern times. Primary Emphasis will be placed on the development of Western Christianity, but the course will also touch upon the history of the Church in other areas of the world.

C HS 4181-3  Directed Study in Church History (1-3 credit hours)
Prerequisite: Approval of School of Theology and Ministry

C HS 4303  Special Topics in Church History (3 credit hours)
This course deals with a variety of topics in Church History, including special time-period studies (e.g. Early Church History, Medieval Christianity, 16th Century, Contemporary Church History, etc.) and special topic studies (e.g. History of Worship, History of Non-Western Christianity, Christian Mystical Tradition, etc.). The course may be repeated for additional credit. Prerequisite: Church History I and II, or approval of School.

C HS 4313  American Religious History (3 credit hours)
A survey of American religious history from 1607 to the present. This course focuses on the development of American Christianity with a particular emphasis on evangelical Christianity and its impact on American politics and culture.

C HS 5103  History of the American Church (3 credit hours)
A study of the transplantation of Old World faiths to the New World and their subsequent development in the American environment. Revivalism and the rise of new denominations, social reforms and the development of colleges and seminaries will be given special attention.

C HS 6223  Specialized Studies (3 credit hours)
A course designed to offer specialized subject matter/skills to address current ministry trends, students' needs and interests. Integrating biblical, theological, and historic concerns with practical ministry will be a major focus. The course may be repeated with different subject matter. Topics may include: "Teaching Ethics," "Strategies for Effective Evangelism," "Marriage and Family Counseling," as well as other topics of current interest in the life, thought and ministry of American Christianity.

CHURCH MUSIC (C M)

C M 3113  Music, Ministry, & The Church (3 credit hours)
A course designed to investigate the role of music in the life of the church. Topics to cover basic philosophy of music ministry, church music materials, the hymnal, elementary conducting, distinctives of music used in evangelical free-church tradition.

C M 3223  Survey of Worship (3 credit hours)
An introductory course in the theology and practice of worship. Biblical and historical practice is introduced for informing contemporary worship leadership.

C M 4212  Church Music Administration (2 credit hours)
A thorough examination of the organization of the church music program at the local level. Emphasis is on the comprehensive use of musical skills, knowledge of administrative methods, and wide knowledge of materials.

C M 4241  Capstone Project (1 credit hour)
A senior level project culminating the student’s experience in the area of music ministry. The project should be formulated in conjunction with the chair of the School of Music. The project will demonstrate a synthesis of skills and knowledge developed through the core coursework in music ministry.

C M 4281-3  Church Music Internship (1-3 credit hours)
Supervised church music experience. Should be conducted with an approved church music staff supervisor, and a designated member of the School of Music faculty. 1 credit hour equals 40 hours of staff experience.
CSNE (COMPUTER SCIENCE/NETWORK ENGINEERING)

CSNE 1113 Integrated Software Applications (3 credit hours)
This is an introductory course providing computer experience in a wide variety of application software. Its purpose is to help the student increase confidence on a computer while facilitating a broad range of possibilities which may be used throughout their college and professional life. Applications include word processing, electronic spreadsheets, presentation software and desktop publishing. NOT intended for CSNE major credit.

CSNE 1213 Computer Applications for Business (3 credit hours)
An introductory survey of computers and their uses in today's workplace with emphasis on Microsoft® Excel. Application programs including word processing, electronic spreadsheets, and presentation software are utilized. The course is designed to give the student a broad understanding and confidence in application software.

CSNE 2113 Introduction to Web Design (3 credit hours)
Introduces the fundamental building blocks and techniques used in creating content for the World Wide Web. Topics include basic tools for creating content, site design considerations such as navigation and the separation of content and presentation, and usability.

CSNE 2443 Introduction to Computer Science I (3 credit hours)
Introduces the general organization of computers identifying components and their functions. The fundamentals of problem solving and algorithm development are introduced through a high level language.

CSNE 2543 Introduction to Computer Science II (3 credit hours)
A continuation of Introduction to Computer Science I (CSNE 2443) with added emphasis on algorithm development and analysis. Major area of study will include debugging and testing techniques and searching and sorting methods. An introduction to theory of data structures concludes the course. Prerequisite: Introduction to Computer Science I (CSNE 2443) or approval of department

CSNE 2713 Network Technologies (3 credit hours)
This course covers the basics of computer networking, including terms and concepts. Networking technology—how it works, and why it works—is made clear in this course, where concepts like contemporary network services, transmission media, and protocols are explained. Students learn how protocols are used in networking implementations from many vendors, especially those most common in today's LANs and WANs.

CSNE 2813 Network Service and Support (3 credit hours)
This course focuses on the prevention, diagnosis, and resolution of hardware-related problems network professionals encounter while working with the network. Though the course focuses on hardware issues in relation to NetWare, students learn practical skills in this course that will help them optimize hardware resources for networking products. The course shows students how to solve "real world" hardware problems, and includes extensive hands-on exercises. Prerequisite: Network Technologies (CSNE 2713) or permission with experience.

CSNE 2923 Data Structures (3 credit hours)
Builds on the foundations provided by Introduction to Computer Science I and II (CSNE 2443 and 2543) to introduce the fundamental data structures and computing algorithms. Topics include data abstraction, basic algorithm development and analysis, and recursion. Prerequisite: Introduction to Computer Science I and II (CSNE I and II) or approval of department.

CSNE 3173 Intermediate OO Programming (3 credit hours)
See CSNE 3193

CSNE 3183 Procedural Programming (3 credit hours)
See CSNE 3193

CSNE 3193 Seminar: Programming Languages (3 credit hours)
The purpose of this class is to offer a wide variety of current programming languages. Each language will be covered on a per semester basis. A partial list of those languages include: C, C++, Python, Java and Visual Basic. May be repeated for up to nine credit hours, with different languages. Prerequisite: Introduction to Computer Science II (CSNE 2543) or approval of department
COURSE DESCRIPTIONS

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
<th>Prerequisites</th>
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<tbody>
<tr>
<td>CSNE 3213</td>
<td>Computer Architecture (3 credit hours)</td>
<td>The emphasis of the course will be studying an assembly language. The language will be used to understand computer systems and machine level programming. <strong>Prerequisite:</strong> Data Structures (CSNE 2923)</td>
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<tr>
<td>CSNE 3413</td>
<td>Windows Networking I (3 credit hours)</td>
<td>The course provides students with the knowledge and skills necessary to do server installation in a Windows Server 2008 environment. <strong>Prerequisite:</strong> Network Technologies (CSNE 2713)</td>
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<tr>
<td>CSNE 3673</td>
<td>Network Administration I (3 credit hours)</td>
<td>The course is designed to provide students with the introductory knowledge and skills on the Linux operating system for basic administration on a client machine operating in a multiple operating system networking environment. <strong>Prerequisite:</strong> Network Technologies (CSNE 2713)</td>
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<tr>
<td>CSNE 3683</td>
<td>Network Administration II (3 credit hours)</td>
<td>This course continues the development of knowledge in the Linux operating system. The primary emphasis is on the server functions of a Linux based computer providing some of the following services to a network (database, web server, firewall, routing or others). <strong>Prerequisite:</strong> Network Administration I (CSNE 3673) or with permission based on previous Linux experience.</td>
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<tr>
<td>CSNE 3713</td>
<td>Computer Forensics (3 credit hours)</td>
<td>This course is intended to introduce the subject of computer forensics, the art and science of using technology to obtain all types of data/evidence for investigative purposes. The course focuses on retrieving information from computer systems without destroying the data on the original system. There will be hands-on exercises to reinforce learning. <strong>Prerequisite:</strong> Network Administration I (CSNE 3673)</td>
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<tr>
<td>CSNE 3813</td>
<td>Windows Networking II (3 credit hours)</td>
<td>This course provides students with the knowledge and skills necessary to install, configure, manage, and support a network infrastructure in a Microsoft Windows-based network. <strong>Prerequisite:</strong> Windows Networking I (CSNE 3413)</td>
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<tr>
<td>CSNE 3913</td>
<td>Routers and Switches I (3 credit hours)</td>
<td>An introductory course to understand basic concepts of networking, routers, and routing. The course includes practical experience with design, configuration, and maintenance of local area networks, routing, protocols, IP addressing, and network trouble shooting. Also included are hands on to programming routers to move traffic through the network. <strong>Prerequisite:</strong> Network Technologies (CSNE 2713)</td>
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<tr>
<td>CSNE 3923</td>
<td>Routers and Switches II (3 credit hours)</td>
<td>This course extends the knowledge of the student in routers and introduces them to programming switches for VLANs. The class also extends the students routing knowledge into the wide area networks (WANS) and the routing protocols to move traffic around the world. Some of these protocols are EIGRP and OSPF. Other WAN protocols are Frame Relay and Point-to-Point Protocol (PPP). <strong>Prerequisite:</strong> Routers and Switches I (CSNE 3913)</td>
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<tr>
<td>CSNE 3943</td>
<td>Computer Graphics (3 credit hours)</td>
<td>An introduction to two- and three-dimensional computer graphics. Topics include coordinate systems, transformations, light, color, rendering, and graphical programming. <strong>Prerequisite:</strong> Data Structures (CSNE 2923) and Linear Algebra (MATH 3133)</td>
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<tr>
<td>CSNE 3953</td>
<td>Object-Oriented Analysis &amp; Design (3 credit hours)</td>
<td>An introduction to the analysis and design of object-oriented software. Topics include problem analysis, modeling methodologies, object design, and design patterns. <strong>Prerequisite:</strong> Data Structures (CSNE 2923)</td>
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<tr>
<td>CSNE 4113</td>
<td>Windows Networking III (3 credit hours)</td>
<td>This course provides students with knowledge and skills to plan for a Windows 7 installation, setup and connectivity in a networked environment. <strong>Prerequisite:</strong> Windows Networking I and II (CSNE 3413 and 3813)</td>
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<tr>
<td>CSNE 4123</td>
<td>Windows Networking IV (3 credit hours)</td>
<td>This course provides students with the knowledge and skills necessary to install, configure and administer Active DirectoryTM directory services. This course concludes with an extended study of Identity and Access solutions in Active DirectoryTM. <strong>Prerequisite:</strong> Windows Networking II and III (CSNE 3813 and 4113)</td>
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</tbody>
</table>
CSNE 4133  Management Information Systems (3 credit hours)
This course is concerned with the design of information systems required for management decision making. Problems of communication, information theory, document flow, and internal control are considered. The integration of data into a total information system is the ultimate consideration. The role and use of computers is emphasized. **Prerequisite:** Computer Applications for Business (CSNE 1213) and Principles of Management (MGT 2113) or permission of instructor

CSNE 4181-3  CSNE Seminar (1-3 credit hours)
This course is used to cover new topics in the ever-changing world of the computer. It will be offered on an as-needed basis. **Prerequisite:** Permission of instructor

CSNE 4213  Windows Networking V (3 credit hours)
Global planning for the final setup of Server 2008 and the design of the security aspects of the servers is the final topic. **Prerequisite:** Windows Networking III and IV (CSNE 4113 and 4124)

CSNE 4223  Operating Systems (3 credit hours)
Introduces the fundamentals of operating systems design and implementation. Topics include an overview of the components of an operating system, implementing processes, memory management, and file systems. **Prerequisite:** Data Structures (CSNE 2923)

CSNE 4233  Network Security I (3 credit hours)
The class examines network and computer security defense mechanisms, and offers practical tools, tips, and techniques to counter attackers. This includes many hands on projects to assist in the learning. **Prerequisite:** Network Administration I (CSNE 3683), or Windows Networking II (CSNE 3813) and Routers and Switches II (CSNE 3923)

CSNE 4243  Database Systems (3 credit hours)
A survey of the database systems with experience using a current database program. Emphasis will be placed on the relational database model and an implementation of it. **Prerequisite:** Introduction to Computer Science I and II (CSNE 2443 and 2543)

CSNE 4313  Algorithm Analysis (3 credit hours)
Introduces formal techniques to support the design and analysis of algorithms, focusing on both the underlying mathematical theory and practical considerations of efficiency. **Prerequisite:** Computer Architecture (CSNE 3213) and Discrete Mathematical Structures (MATH 3013)

CSNE 4323  Software Engineering (3 credit hours)
Combines a range of topics integral to the design, implementation, and testing of a medium- scale software system with the practical experience of implementing such a project as a member of a development team. **Prerequisite:** Data Structures (CSNE 2923)

CSNE 4333  Network Security II (3 credit hours)
This class is a continuation of Networking Security I with an advanced look at intrusion detection design and implementation. The class equips the student with tools necessary to deter attacks, detect intrusion attempts, respond to break-ins, and assess the damage of hack attacks. VPN’s, packet filters, and network traffic signatures are also investigated. **Prerequisite:** Network Security I (CSNE 4233)

CSNE 4353  Server-based Software Development (3 credit hours)
This course is an introduction to the development of server-based applications. Topics covered include, development and testing of server-based applications, accessing using databases from server-based applications, security issues inherent in server-based applications, and usability issues for server-based applications.

CSNE 4441-3  Computer Science Practicum (1-3 credit hours)
Provides a capstone to a student's college career and work as a CS major. Students not wishing to pursue a graduate degree may design, build, test, and deploy an original, medium -scale application. Those wishing to pursue a graduate degree may perform original research in an approved area of interest. **Prerequisite:** Algorithm Analysis (CSNE 4313) and approval of instructor

CSNE 4453  Computer Science Practicum II (3 credit hours)

CSNE 4513  Machine Learning (3 credit hours)
An introduction to the field of machine learning. Topics include reinforcement learning, neural networks, evolutionary computation, Bayesian learning, and clustering. **Prerequisite:** Data Structures (CSNE 2923) and Probability & Statistics (MATH 3143)
CSNE 4533  Artificial Intelligence (3 credit hours)
An introduction to the development of intelligent computer systems. Topics include knowledge representation, decision-making, search, and heuristics. **Prerequisite:** Data Structures (CSNE 2923)

C W (CREATIVE WRITING)

C W 2313  Newswriting (3 credit hours)
See MCOM 2313

C W 2813  Introduction to Genre Writing (3 credit hours)
Practice in crafting life-like characters and vivid settings and incorporating these in such genres as the short story, the drama, and the poem.

C W 2833  Introduction to Poetry and Poetics (3 credit hours)
A workshop setting providing instruction in composition of poetic forms, along with a study of prosody, poetry, and critical theory related to poetry.

C W 3181  Special Studies in CW (1 credit hour)

C W 3313  Magazine Writing (3 credit hours)
A study of the varieties and techniques of writing for magazines and periodicals, with ample practice in writing such stories and articles. Students will be encouraged to submit their work for publication. **Prerequisite:** Newswriting (CW/MCOM 2313) or Introduction to Genre Writing (CW 2813).

C W 4203  Writing for Digital Media (3 credit hours)
A study of the transition of composition from the print age to the digital age. Emphasis will be placed on web design and composition techniques which adapt to mass media venues and internet distribution.

C W 4833  Roundtable in Creative Writing (3 credit hours)
A seminar setting providing an atmosphere for constructive feedback as serious writers gather to critique each other’s works and follow steps to insure completion of marketable works. Some study of techniques of professional writers will be discussed as well as how to market works. Genres will vary by semester. May be repeated for credit with different subject matter. **Prerequisite:** 3 credit hours of Creative Writing.

ECO (ECONOMICS)

ECO 2113  Macroeconomics (3 credit hours)
Dealing with the functioning of the American economic system. A study of the basic principles underlying production, exchange, consumption, income distribution, inflation, unemployment, fiscal policy, and monetary policy.

ECO 2123  Microeconomics (3 credit hours)
The application of economic principles to the problems of economic life; supply and demand, market elasticity, market structures, income distribution, labor unions, resource factors, and international trade.

ECO 3033  Business, Economics, & Society (3 credit hours)
A General Education course designed to create an integrated thought pattern for one’s professional, cultural, economic, and spiritual life. A Biblical understanding of wealth, labor, and career; ethical implications in professional life; comprehension of the capitalistic vs. state-owned issue; and working knowledge of personal economics. **Prerequisite:** Sophomore standing.

ECO 3053  International Economic Development (3 credit hours)
This course will be a detailed look into the international world of poverty and poverty alleviation. The course will start by looking at the pervasiveness of poverty throughout the world. We will then look at the underlying economic, political and sociological causes of poverty, both historically and currently, including the devastating effects of war, disease, corruption and tribalism. The course will then examine various methods of economic development with an emphasis on microfinance practices. The study of microfinance will be a large portion of the semester with a consideration and evaluation of implementing the Morningstar Model of linking microfinance and vocational training. **Prerequisite:** Junior standing or by permission of instructor.

ECO 3113  Economics for Managers (3 credit hours)
This course provides the basic economic framework crucial to managerial success. Macroeconomics and microeconomics are combined into a fast-paced course that provides a practical rather than a theoretical emphasis.
ECO 3913  Health Care Economics (3 credit hours)
This course will examine the general principles of economics at work in the American system. It will include the concept of supply and demand, quality of care, consumerism, allocation of scarce resources and managed care in the health care market place. The application, implications, and ethical ramifications of these principles for the American health care system will also be discussed.

ED (EDUCATION)
ED 2103  English Grammar I (3 credit hours)
See ENGL 2103

ED 2111  Introduction to Education and Teaching Lab (1 credit hour)
A course designed to assist the student who is considering education as a profession. Emphasis is placed on individual self-evaluation as a prerequisite to choosing a vocation and exploration of teaching from the practitioner’s point of view. Includes a first phase internship in public school classroom. Grading is on P-F system.

ED 2142  Educational Technology (2 credit hours)
Since computers are an essential part of the "basics" of education for the next century, this course introduces the student to a variety of elements necessary for an "adequate" understanding of this role. The course focuses primarily on "application" software tools such as word processing, multimedia, Internet access and database management. Attention will also be given to the selection of educational software for the classroom and "technology implementation."

ED 2162  Foundations of Education (2 credit hours)
A course designed for the beginning philosopher or educator. The basic design of the course is to learn educational approaches, historical development, and societal problems as they are affected by underlying philosophical thought. Includes an internship in the public school classroom. Prerequisite: 24 credit hours completed.

ED 2173  Psychology of Children & Youth (3 credit hours)
See PSY 2173

ED 3212  Methods in Secondary Mathematics (2 credit hours)
Methods for teaching mathematics in the secondary school. Prerequisite: Admission to the Teacher Education Program.

ED 3222  Child Development (2 credit hours)
An intensive study of the developmental process of early childhood. Emphasis is given to some of the major, present-day development theories and their application in dealing with children. Includes 11 hours of observation. (Early Childhood majors only) Prerequisite: Admission to the Teacher Education Program.

ED 3223  Educational Psychology (3 credit hours)
This course is designed to introduce the teacher candidate to psychological principles and theories to demonstrate how this information can influence teaching decisions for maximum learning in the classroom. The course addresses the differentiated classroom through multiple developmental theories and instructional strategies related to diversity, and acknowledges ethnic, gender and special education needs. The course also provides information related to interpreting and understanding standardized tests for the purpose of improving the teaching-learning process and providing teacher candidates the opportunity to incorporate appropriate assessment strategies.

ED 3273  Methods in Secondary Science (3 credit hours)
Methods and materials for teaching science in the secondary school.

ED 3323  Developmental Reading & Practicum (3 credit hours)
This is an introductory course designed to focus on language acquisition, emergent and early reading, and materials at the primary and elementary level. Special attention is given to the foundations and development of literacy, basic approaches to reading, the phonetic structure of language, strategies of a balanced reading curriculum, new trends in reading research, and means of evaluation and field experience. Candidates complete practicum experiences with small groups of elementary students. This is the first reading course of three required for all elementary education majors.
ED 3422  **Primary Literature/Language Arts (2 credit hours)**
This course is for undergraduate elementary and early childhood majors preparing for their student teaching assignment. All aspects of the language arts will be reviewed: listening, speaking, reading, writing, viewing, and visual representing. Emphasis will be placed on developing classrooms where young children discover the richness of language.

ED 3442  **Science in the Elementary School (2 credit hours)**
This course is designed to give the prospective teacher necessary knowledge and skills to teach Pre-K through Primary.

ED 3452  **Math in the Elementary School (2 credit hours)**
This course is designed to prepare students for effective teaching of Mathematics and intermediate school level.

ED 3453  **Math in the Elementary School (3 credit hours)**
This course is designed to prepare students for effective teaching of Mathematics and Science at the intermediate school level.

ED 3464  **Elementary Literature/Language Arts (4 credit hours)**
This course is for undergraduate elementary education majors preparing for their student teaching assignment. All aspects of the language arts will be reviewed: listening skills, oral language skills, written skills, and reading. Emphasis will be placed on developing classrooms where young children discover the richness and power of written and oral communication. (4 hrs of teaching in public school)

ED 3512  **Social Studies in Elementary School (2 credit hours)**
A course designed to acquaint the student with curriculum materials to methodologies used at the elementary level. Descriptions of specific teaching strategies include discussion, questioning techniques, problem solving, contracts, computers and audio-visual instruction, learning centers, community resources, role-playing and simulation activities. Attention is given to multi-cultural aspects of teaching social studies.

ED 3543  **Methods in Secondary Physical Education (3 credit hours)**
Methods and materials in physical education at the secondary level. Prerequisite: Admission to the Teacher Education Program.

ED 3553  **Reading Theory & Practicum (3 credit hours)**
A course designed to focus on refining and extending reading competence through skill development, content reading and developing intrinsic motivations. Special attention is given to classroom organization, lesson plans, material planning, evaluation, and field experience (20 practicum hours). Recommended: Spring of Junior year.

ED 3562  **Health, Safety, Nutrition, & PE (2 credit hours)**
Theory and laboratory course concerning methods and techniques of teaching health, safety, nutrition and physical education in the elementary schools. Emphasis on group organization and program planning for instruction in the progression of activities which will improve the Health-Related Fitness Components (Cardiovascular Fitness, Muscular Strength, Muscular Endurance, Flexibility, and Nutritional & Body Composition).

ED 3633  **Child Guidance: Theory & Practicum (3 credit hours)**
The course emphasizes special methods, materials and techniques for guiding the young child’s learning experiences. The child development approach to teaching and the positive approach to communication, human relations and discipline as related to all learning areas are integrated throughout the course. Parent education is also an important component of the course. A simultaneous practicum with three, four and five-year-old children is part of this course.

ED 3683  **Literacy Development and the Creative Arts (3 credit hours)**
This course, for those preparing to teach and/or work with young children, has a special emphasis directed toward the acquisition of language and early literacy and the various modes of communication through the creative arts. Creativity and thinking skills are a focal point of the course as candidates explore a variety of communication and language processes. The integration of reading and writing will be explored through phonics, phonological awareness skills, Shared Reading, Guided Reading, and other methods of literacy development. Multimodal communication is introduced to include components of the reading and writing process, language expression, and the creative components of drawing, storytelling, creative dramatics, puppetry, art and musical expression. Psychomotor development is enhanced through
creative activities and materials used in creative expressions of communication with young children. Appropriate
techniques, methodology and materials are integral parts of the course, as well as field experiences (4 hours field experience are required).

ED 4005  Student Teaching I (5 credit hours)
A course designed to give the student teacher first-hand experience in the school situation through observation/teaching in accredited schools of the surrounding areas. Prerequisite: Senior standing and admission to the Professional Semester. (Liability insurance included in Professional Semester fee).

ED 4105  Student Teaching II (5 credit hours)
A course designed to give the student teacher first-hand experience in the school situation through observation/teaching in accredited schools of the surrounding areas. Prerequisite: Senior standing and admission to the Professional Semester. (Liability insurance included in Professional Semester fee).

ED 4142  Survey of the Exceptional Child (2 credit hours)
A general course designed to acquaint the student with the various types of exceptionality in children. Emphasis is placed on an understanding of the psychological characteristics and the educational needs of the exceptional child. Includes 3 hours of observation in a public school. (Elementary and Secondary majors only) Prerequisite: Psychology of Children and Youth (ED 2173) or equivalent and admission to the Teacher Education Program.

ED 4273  Professional Decision Making (3 credit hours)
Based on systems theory, this course emphasizes: 1) a systems model of learning-teaching; 2) developing and managing a positive classroom climate through an understanding and application of group processes; 3) developing instructional objectives, units, evaluation instruments and curricula; and 4) classroom management. Prerequisite: Learning and Evaluation (ED 3122) and Admission to the Teacher Education Program. (This course is a prerequisite for the Professional Semester)

ED 4333  Reading Diagnosis and Practicum (3 credit hours)
This course is designed to provide student learning and experience with informal and formal diagnostic instruments. The student will also be involved with direct tutoring experiences (20 hrs) using diagnosis and remedial techniques. Includes 1.5 hours of teaching.

ED 4352  Music Methods: Elementary (2 credit hours)
Methods for teaching music in the elementary school.

ED 4362  Music Methods: Secondary (2 credit hours)
Methods for teaching music in the secondary school.

ED 4472  Early Childhood Curriculum (2 credit hours)
Includes the historical and philosophical background of Early Childhood Education. Attention is given to current trends in program planning and meeting the needs of children through broad experiences in order to provide a foundation for later learning.

ED 4483  Cognitive Development: Math/Science/Social Studies (3 credit hours)
A course designed for the student preparing to teach at the pre-kindergarten, kindergarten and primary levels, with attention given to the cognitive development of children as related to mathematics and the physical and social sciences. Theories of cognitive development are examined with emphasis given to the Piagetian theory and the process approach. Appropriate teaching strategies and materials are included as well as classroom simulations and field experiences. Taken concurrently with Primary Math/Science (ED 3442).

ED 4522  Characteristics of Early Adolescent (2 credit hours)
The teacher understands how students learn and develop, and can provide learning opportunities that support their intellectual, social, and physical development at all grade levels including early childhood, elementary, middle level, and secondary. Includes 15 hours of tutoring a middle school student.

ED 4534  Middle School Curriculum & Design (4 credit hours)
This course is designed to bridge the gap between the elementary and secondary curriculum. Emphasis will be directed towards grades 5-8 or the young adolescent. Includes 20 hours of observation in a middle school.

ED 4553  Child & Social Systems (3 credit hours)
This course will be a combination of Home/School/Community Relations (ED 4201), Child and Family in
Social Context (ED 4512), and Parent Education Seminar (ED 4421). It is designed to inform the student as to the wider parameters of school and society. Includes 2 hours of surveys and 2 hours of interviewing.

ED 4700 Student Teaching Seminar (0 credit hours)
This semester is taken concurrently with student teaching and is designed for student teachers to develop proficiency in interpersonal skills (relating to the teacher/student, teacher/teacher, teacher/parent relationship and multi-cultural learning situations, further understand mainstreaming, discipline problems and solutions, and to prepare to secure a teaching position. NOTE: Professional Semester Fee: The Professional Semester will include a fee for student professional membership, liability insurance, and teacher supervision expenses.

ED 4710 Seminar: Diversity in Education (0 credit hours)
This seminar, offered during the Student Teaching semester, is required of all education majors preparing for a teaching career. Current research regarding multiculturalism, global and ethnicity studies, as well as economic diversity and students with special needs in education will be utilized to increase the future teacher's knowledge and understanding of diversity issues related to the classroom. Student teachers will complete a series of assignments to reinforce information presented by guest speakers and faculty in panel discussion, lecture and small group formats. No credit - P or F designated on transcript.

ED 4805 Student Teaching: Pre-Kindergarten (5 credit hours)
A course designed to give the student teacher first-hand experience in the school situation through observation/teaching in accredited schools of the surrounding areas. (Liability insurance included in 'Professional Semester' fee). **Prerequisite:** Senior standing and admission to the Professional Semester.

ED 4815 Student Teaching: Kindergarten (5 credit hours)
A course designed to give the student teacher first-hand experience in the school situation through observation/teaching in accredited schools of the surrounding areas. (Liability insurance included in 'Professional Semester' fee). **Prerequisite:** Senior standing and admission to the Professional Semester.

ED 4905 Student Teaching: 1st Grade (5 credit hours)
A course designed to give the student teacher first-hand experience in the school situation through observation/teaching in accredited schools of the surrounding areas. (Liability insurance included in 'Professional Semester' fee). **Prerequisite:** Senior standing and admission to the Professional Semester.

ED 4915 Student Teaching: 2nd Grade (5 credit hours)
A course designed to give the student teacher first-hand experience in the school situation through observation/teaching in accredited schools of the surrounding areas. (Liability insurance included in 'Professional Semester' fee). **Prerequisite:** Senior standing and admission to the Professional Semester.

ED 4925 Student Teaching: 3rd Grade (5 credit hours)
A course designed to give the student teacher first-hand experience in the school situation through observation/teaching in accredited schools of the surrounding areas. (Liability insurance included in 'Professional Semester' fee). **Prerequisite:** Senior standing and admission to the Professional Semester.

ED 4935 Student Teaching: 4th Grade (5 credit hours)
A course designed to give the student teacher first-hand experience in the school situation through observation/teaching in accredited schools of the surrounding areas. (Liability insurance included in 'Professional Semester' fee). **Prerequisite:** Senior standing and admission to the Professional Semester.

ED 4945 Student Teaching: 5th Grade (5 credit hours)
A course designed to give the student teacher first-hand experience in the school situation through observation/teaching in accredited schools of the surrounding areas. (Liability insurance included in 'Professional Semester' fee). **Prerequisite:** Senior standing and admission to the Professional Semester.

ED 4955 Student Teaching: 6th Grade (5 credit hours)
A course designed to give the student teacher first-hand experience in the school situation through observation/teaching in accredited schools of the surrounding areas. (Liability insurance included in 'Professional Semester' fee). **Prerequisite:** Senior standing and admission to the Professional Semester.

ED 4965 Student Teaching: Elementary (5 credit hours)
A course designed to give the student teacher first-hand experience in the school situation through observation/teaching in accredited schools of the surrounding areas. (Liability insurance included in 'Professional Semester' fee). **Prerequisite:** Senior standing and admission to the Professional Semester.

ED 4975 Student Teaching: Middle School (5 credit hours)
A course designed to give the student teacher first-hand experience in the school situation through
ED 4995  **Student Teaching: Secondary (5 credit hours)**
A course designed to give the student teacher first-hand experience in the school situation through observation/teaching in accredited schools of the surrounding areas. (Liability insurance included in 'Professional Semester' fee). **Prerequisite:** Senior standing and admission to the Professional Semester.

**EFL (ENGLISH AS A FOREIGN LANGUAGE)**

**EFL 1013**  *Foundations of Vocabulary/Reading (3 credit hours)*
This is a foundational vocabulary and reading course of English for speakers who have no English. Emphasis is on not only knowing the definition of words but also their synonyms, connotations, collocations, parts of speech, spelling, and pronunciation. By learning these things, students can then use the vocabulary in reading, writing, and speaking. It is a 50 minute class meeting five days per week. Students must pass with a C, both a midterm exam and a comprehensive final exam as well as other interim assignments in order to continue to the next level of proficiency.

**EFL 1023**  *Foundations of Composition/Grammar (3 credit hours)*
This is a foundational composition & grammar course of English for speakers who have no English. Emphasis is on not only knowing the definitions of words, but also their synonyms, connotations, collocations, parts of speech, spelling, and pronunciation. By learning these things, students can then use the vocabulary in reading, writing, and speaking. It is a 50 minute class meeting five days per week. Students must pass with a C, both a midterm exam and a comprehensive final exam as well as other interim assignments in order to continue to the next level of proficiency.

**EFL 1113**  *Beginning Vocabulary/Reading (3 credit hours)*
This is a beginning vocabulary course of English for speakers who have some English. Emphasis is on not only knowing the definitions of words, but also their synonyms, connotations, collocations, parts of speech, spelling, and pronunciation. By learning these things, students can then use the vocabulary in reading, writing, and speaking. It is a 50 minute class meeting five days per week. Students must pass with a C, both a midterm exam and a comprehensive final exam as well as other interim assignments in order to continue to the next level of proficiency.

**EFL 1123**  *Beginning Composition/Grammar (3 credit hours)*
This is a beginning composition/grammar course of English for speakers who have some English. Emphasis is on not only knowing the definitions of words, but also their synonyms, connotations, collocations, parts of speech, spelling and pronunciation. By learning these things, students can then use the vocabulary in reading, writing, and speaking. It is a 50 minute class meeting five days a week. Students must pass with a C, both a midterm exam and a comprehensive final exam as well as other interim assignments in order to continue to the next level of proficiency.

**EFL 1213**  *Lower Intermediate Vocabulary/Read (3 credit hours)*
This lower intermediate reading course is for students with some English. Emphasis is on not only reading comprehension, reading skills, and analysis of text. By learning these things, students can then use the concepts learned in their composition class. It is a 50 minute class meeting 5 days per week. Students must pass with a C, both a midterm exam and a comprehensive final exam as well as other interim assignments in order to continue to the next level of proficiency.

**EFL 1223**  *Lower Intermediate Composition/Gram (3 credit hours)*
This is a lower intermediate grammar course of English. Emphasis is on not only reading comprehension, reading skills, and analysis of text. By learning these things, students can then use the concepts learned in their composition class. It is a 50 minute course meeting 5 days per week. Students must pass with a C, both a midterm exam and a comprehensive final exam as well as other interim assignments in order to continue to the next level of proficiency.

**EFL 1313**  *Intermediate Vocabulary/Reading (3 credit hours)*
This is an intermediate reading course of English. Students review writing multiple types of sentences. Also, students may write various types of paragraphs. It is a 50 minute class meeting 5 days per week. Students must pass with a C, both a midterm exam and a comprehensive final exam as well as other interim assignments in order to continue to the next level of proficiency.
EFL 1323  Intermediate Composition/Grammar (3 credit hours)
This is an intermediate composition/grammar English course. Students review writing multiple types of paragraphs. Also, students may write a few short essays. It is a 50 minute class meeting 5 days per week. Students must pass with a C, both a midterm exam and a comprehensive final exam as well as other interim assignments in order to continue to the next level of proficiency.

EFL 1413  Upper Intermediate Vocabulary/Read (3 credit hours)
This is an upper intermediate reading course of English for students who have never studied English. Students learn multiple types of basic grammar components. Also, students learn to find common mistakes and correct them in sentences and paragraphs. It is a 50 minute class meeting 5 days per week. Students must pass with a C, both a midterm exam and a comprehensive final exam as well as other interim assignments in order to continue to the next level of proficiency.

EFL 1423  Upper Intermediate Composition/Gram (3 credit hours)
This is an upper intermediate grammar and composition course of English, including some editing techniques. Students learn to use various intermediate grammar components in sentences. Also, students learn how to find common mistakes and correct them in paragraphs and essays. It is a 50 minute class meeting 5 days per week. Students must pass with a C, both a midterm exam and a comprehensive final exam as well as other interim assignments in order to continue to the next level of proficiency.

EFL 1513  Lower Advanced Vocabulary/Reading (3 credit hours)
This is a lower advanced course of English vocabulary and reading for fairly proficient speakers of English. Emphasis is on reading and, vocabulary, and structure in communication. It is a 50 minute course meeting five days per week. A grade of C or better is required to continue to the next level of proficiency.

EFL 1523  Lower Advanced Composition/Gram (3 credit hours)
This is a lower advanced course of English composition and grammar for fairly proficient speakers of English. Emphasis is on writing composition and papers utilizing correct grammar and editing. It is a 50 minute course meeting 5 days a week. A grade of C or better is required to continue to the next level of proficiency.

EFL 1613  Advanced Vocabulary/Reading (3 credit hours)
This is an advanced course of English vocabulary and reading and the final course before proficiency. Emphasis is on reading and use of vocabulary in speech and conversation. It is a 50 minute course meeting five days a week. A grade of C or better is required to continue to the next level of proficiency.

EFL 1623  Advanced Composition/Grammar (3 credit hours)
This is an advanced course of English composition and grammar. Emphasis is given to lengthy composition, editing, and written and oral communication. It is a 50 minute course meeting five days a week. A grade of C or better is required to continue to the next level of proficiency.

ENGLISH (ENGL)

ENGL 0103  Modern English Usage (3 credit hours)
A course designed to emphasize reading improvement, language usage, and the techniques related to effective sentence and paragraph development. Recommended for students who wish to improve basic language skills. Not a substitute for Composition I (ENGL 1113). Graded Pass/Fail.

ENGL 0104  Modern English Usage (4 credit hours)
A course designed to emphasize reading improvement, language usage, and the techniques related to effective sentence and paragraph development. Recommended for students who wish to improve basic language skills and for those scoring 14 or below on the English portion of the ACT. Not a substitute for Composition I (ENGL 1113). Lab required. Graded pass/fail. Not for students speaking English as a second language who score below 550 on the TOEFL examination or below on the IELTS.

ENGL 0113  English Language & Culture (3 credit hours)
An overview of the culture of university study in the United States is presented. Students will become familiar with the expectations of American professors in the areas of composition and classroom performance. Students will also receive individualized language instruction in areas of particular interest as expressed by the student or professors.

ENGL 0131  Writing Workshop I (1 credit hour)
A grammar, usage, and writing workshop designed to benefit students in Composition I (ENGL 1113), as
well as in their other writing assignments across the curriculum. Concurrent enrollment required for students with English ACT scores 18 or below enrolled in ENGL 1113.

ENGL 0141 Writing Workshop II (1 credit hour)
A concurrent composition workshop for students taking Composition II (ENGL 1213). Research skills will be emphasized. Enrollment required for students with English ACT scores 18 or below.

ENGL 1023 Writing in College (3 credit hours)
Instruction in composing essays and essay answers in an academic setting. The intent of this module is to teach the student both structure of the essay and basic grammar and punctuation skills. Enrollment by permission only.

ENGL 1113 Composition I (3 credit hours)
A General Education course that develops writing skills through expressive and explanatory writing, often in the context of the student’s own experiences. Prerequisite: Modern English Usage (ENGL 0103) for students scoring 0-14 on the English portion of the ACT. For international students with limited English proficiency or who score below 550 on the TOEFL, completion of the ASEC Program with the recommendation of the ASEC Director or English Language and Culture I (ENGL 0024).

ENGL 1213 Composition II (3 credit hours)
General Education course that continues to develop writing skills in more formal and academic contexts through practice in rhetoric, argumentation, and research. Prerequisite: A passing grade in Composition I (ENGL 1113) or equivalent.

ENGL 1311 Introduction to Cultural & Communication Studies (1 credit hour)
A gateway course for students in the Division of Cultural and Communication Studies, those interested in exploring the disciplines of Communication, Graphic Design, Language, and Literature. This course will introduce students to both the methods and practices of these disciplines, locating ways in which all of them share a joint concern with communicating in a variety of cultural contexts.

ENGL 2103 English Grammar I (3 credit hours)
An overview of the principles of English syntax and contemporary English usage. Recommended prerequisite for ENGL 4103.

ENGL 2113-3 Writing Practicum (1-3 credit hours)
A course designed for writing tutors and those preparing to teach writing to extend the tutors’ knowledge of the principles of writing pedagogy. Practical experience for English and English education majors. May be repeated for credit.

ENGL 2123 Teaching English as a Second Lang (3 credit hours)
This course provides the theoretical and practical foundations for teaching English as a second language. The course will provide linguistic background of language and introduce the student to practical classroom applications of this knowledge.

ENGL 2133 Introduction to Shakespeare (3 credit hours)
A study of both famous and lesser-known plays and selections from the poems with supplementary consideration of Shakespeare’s language, text sources, characterization, and dramatic structure; Shakespeare in the Elizabethan and modern theater and on film; and Shakespeare criticism. Enrollment by permission only.

ENGL 2203 Literature in Life (3 credit hours)
This course will explore the concept that artistic expression reflects real life situations, problems, concerns, and emotions common to all people throughout the ages. It is designed to help the student achieve an appreciation and an understanding of literature as an extension of the human psyche. Enrollment by permission only.

ENGL 2213 Academic Writing: Research and Argument (3 credit hours)
This course focuses on writing in formal and academic contexts through practice in rhetoric, argumentation, persuasion, and research. Writings and projects are designed to help the student understand features of academic writing. Students will learn how to evaluate, persuade, and argue, will develop the skills needed for effective research, and will practice generating original arguments after they have researched, designed, and articulated. Enrollment by permission only.

ENGL 2214 Academic Writing: Research and Argument (4 credit hours)
This course focuses on writing in formal and academic contexts through practice in rhetoric,
argumentation, persuasion, and research. Writings and projects are designed to help the student understand features of academic writing. Students will learn how to evaluate, persuade, and argue, will develop the skills needed for effective research, and will practice generating original arguments after they have researched, designed, and articulated.

ENGL 2313  Newswriting (3 credit hours)
See MCOM 2313

ENGL 2401  Advanced Reading Techniques (1 credit hour)
See G S 2401

ENGL 2411  Advanced Research Techniques (1 credit hour)
See G S 2411

ENGL 2413  Introduction to Literature (3 credit hours)
A course designed to introduce students to the processes of critically reading written texts (fiction and nonfiction), visual texts (film and other forms of media), and oral texts (performance and oratory). It will provide a variety of tools with which to analyze and evaluate these materials within the context of ethnic, cultural, and personal identity. Focus will be on global literatures as well as literacies appropriate to their various histories, cultures, and themes. **Prerequisite:** Passing grades in Composition I&II (ENGL 1113/1213) or equivalent AP or CLEP credit (required)

ENGL 2421  Information Literacy (1 credit hour)
See G S 2421

ENGL 2433  Oral Interpretation of Literature (3 credit hours)
The development of intellectual and emotional responsiveness to dramatic literature, and the ability to read aloud in order to communicate the printed page effectively to others. Projects in cutting and analysis are required.

ENGL 2813  Introduction to Genre Writing (3 credit hours)
See C W 2813

ENGL 2833  Introduction to Poetry and Poetics (3 credit hours)
See C W 2833

ENGL 2933  Foundations for English Studies (3 credit hours)
An introductory methods course for the discipline that focuses on a rationale for the study of literature as well as its history and methodologies. Research methods in primary and secondary sources, critical theory and other methods of literary analysis are covered in detail.

ENGL 3043  Survey of American Literature I (3 credit hours)
A study of poets and prose writers of the United States prior to the Civil War with consideration of the influential political, social, religious, and literary contexts.

ENGL 3053  Survey of American Literature II (3 credit hours)
Selections from writers of the United States from 1860 to the present as representative interpreters of American life and ideas. Consideration of the principal literary trends of the Age of Realism and the modern and postmodern periods through the study of poetry, drama, and short fiction. Each of the survey courses may be counted independently for credit.

ENGL 3113  Grant Writing (3 credit hours)
Introduces students to the grantwriting process and provides experience in writing grant applications for local non-profit organizations. Emphasizes skills for writing in professional and public contexts and in collaborative and virtual environments.

ENGL 3143  Technical Communications (3 credit hours)
Practical experience with major forms of technical communication used in professional fields related to science, business, English, mass communication, sport management, and religion. It will introduce students to the rhetorical principles and documentation practices necessary for writing effective professional communications, such as letters, reports, instructions, and proposals.

ENGL 3153  Grant Writing (3 credit hours)
Introduces students to the grantwriting process and provides experience in writing grant applications for local non-profit organizations. Emphasizes skills for writing in professional and public contexts and in collaborative and virtual environments.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 3163</td>
<td>Survey of British Literature I (3 credit hours)</td>
<td>3</td>
<td>An overview of significant authors, works of literature, and literary forms and trends from the Anglo-Saxon times to the late eighteenth century, including Beowulf, Chaucer, Shakespeare, Spenser, Milton, Pope, Swift, and Johnson, in the context of important historical and cultural forces.</td>
</tr>
<tr>
<td>ENGL 3173</td>
<td>Survey of British Literature II (3 credit hours)</td>
<td>3</td>
<td>A continuation of ENGL 3163, using similar methodologies in approaching Romantic, Victorian, modern, and post-modern writers such as Wordsworth, Tennyson, the Brontes, Eliot, Joyce, Woolf, Larkin, Lessing, and Stoppard. Each of the survey courses may be counted independently for credit.</td>
</tr>
<tr>
<td>ENGL 3181-3</td>
<td>Directed Study (1-3 credit hours)</td>
<td>1-3</td>
<td>Individual study in an approved area based on interest and/or needs of the student. May be repeated for credit. Departmental approval required for enrollment.</td>
</tr>
<tr>
<td>ENGL 3191-3</td>
<td>Literary Field Studies (1-3 credit hours)</td>
<td>1-3</td>
<td>A travel-study experience designed to acquaint the student first-hand with the cultural and historical settings in which great writers produced their literature. Preparatory reading, discussion, and research prior to the course and a follow-up written project required. Offered only when number of interested students permit.</td>
</tr>
<tr>
<td>ENGL 3202-3</td>
<td>Special Studies in Literature (2-3 credit hours)</td>
<td>2-3</td>
<td>Intensive study of selected issues in literature. May be repeated with different subject matter.</td>
</tr>
<tr>
<td>ENGL 3223</td>
<td>Mythology (3 credit hours)</td>
<td>3</td>
<td>An introductory exploration of classical and comparative mythology and an examination of the role of myth in society, the relation of myth to other disciplines, and the relationship between myth and Christianity. <strong>Prerequisite:</strong> ENGL 2413 and THEO 2233.</td>
</tr>
<tr>
<td>ENGL 3233</td>
<td>The Bible as Literature (3 credit hours)</td>
<td>3</td>
<td>See BLT 3233.</td>
</tr>
<tr>
<td>ENGL 3293</td>
<td>Genre Studies (3 credit hours)</td>
<td>3</td>
<td>An in-depth exploration of a specific literary type. The course will include the study of drama, poetic forms, film narrative, fantasy, or fiction. May be repeated with different subject matter.</td>
</tr>
<tr>
<td>ENGL 3313</td>
<td>Magazine Writing (3 credit hours)</td>
<td>3</td>
<td>See MCOM 3313</td>
</tr>
<tr>
<td>ENGL 3323</td>
<td>Survey of World Literature (3 credit hours)</td>
<td>3</td>
<td>A study of the major literary works, fiction, essays, poetry, epic and drama from around the world which formed present world cultures and influences.</td>
</tr>
<tr>
<td>ENGL 3412</td>
<td>Strategies in Teaching English I (2 credit hours)</td>
<td>2</td>
<td>Methods and materials for teaching English in the secondary school. Requirements include observation of English instruction. <strong>Prerequisite:</strong> Admission to the Teacher Education Program.</td>
</tr>
<tr>
<td>ENGL 3421</td>
<td>Strategies in Teaching English II (1 credit hour)</td>
<td>1</td>
<td>A course providing support and resources to the practicing student teacher during the professional semester; Discussion of questions of pedagogy, classroom management, teaching materials, and specific problems encountered in teaching English in the secondary schools. <strong>Prerequisite:</strong> Strategies in Teaching English I (ENGL 3412).</td>
</tr>
<tr>
<td>ENGL 3523</td>
<td>Latino Literature (3 credit hours)</td>
<td>3</td>
<td>See SPAN 3523</td>
</tr>
<tr>
<td>ENGL 4001-2</td>
<td>Senior Thesis (1-2 credit hours)</td>
<td>1-2</td>
<td>Students will work closely with the English faculty to develop, research, and write an original undergraduate thesis. Required of all majors choosing Option B (Literature concentration). Recommended for any student anticipating graduate study.</td>
</tr>
<tr>
<td>ENGL 4093</td>
<td>The Novel (3 credit hours)</td>
<td>3</td>
<td>A study of major American or English novelists with attention given to the historical background of each work and an emphasis on the novel as a reflection of culture; attention will be given to the development of the novel, to historical background for the genre and to needed background, ideas, and styles of the major</td>
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</tbody>
</table>
novelists. A variety of critical methodologies will be employed. May be repeated with different subject matter. **Prerequisite:** Introduction to Literature (ENGL 2413) or permission of instructor.

**ENGL 4103 English Grammar II (3 credit hours)**
A study of the phonology, morphology, and syntax of the English language. Three major schools of grammar are contrasted: traditional, structural, and transformational. **Prerequisite:** English Grammar I (ENGL 2103) or a strong background in grammar studies.

**ENGL 4113 Shakespeare (3 credit hours)**
A study of both famous and lesser-known plays and selections from the poems with supplementary consideration of Shakespeare’s language, text, sources, characterization, and dramatic structure; Shakespeare in the Elizabethan and modern theater and on film; and Shakespeare criticism. **Prerequisite:** Introduction to Literature (ENGL 2413) or permission of instructor.

**ENGL 4123 Literary Eras (3 credit hours)**
A course designed to study in depth the literary forms, themes and theories of a particular literary era by examining representative selections in their historical and cultural contexts. Supplementary critical reading required. Particular eras (the Renaissance, 17th, 18th or 19th Century English literature, Romantic poets, American Romanticism, the Post-Modern era) offered in rotation. May be repeated for credit with different subject matter.

**ENGL 4203 Writing for Digital Media (3 credit hours)**
See C W 4203

**ENGL 4223 Major Authors (3 credit hours)**
Intensive study of a selected author or group of authors in literary relationship. Possible authors include Chaucer, Spenser, Donne, Milton, Austen, Hawthorne, Frost, Eliot, Woolf, James, and Wharton. May be repeated for credit with different subject matter.

**ENGL 4283 The English Language: History and Linguistics (3 credit hours)**
Explores the historical development of the English language, including attention to the development of orthography, phonology, morphology, syntax, and vocabulary over time, as well as considering recent trends in language study. Over the course of the semester, you will be presented with opportunities to better understand how language works, develop a love of words, consider the political and social implications of language use, increase your self-awareness of how language choices matter, and consider the relative authoritateness of orality and literacy.

**ENGL 4293 Contemporary Literary Theory (3 credit hours)**
A study of the theory of significant schools of criticism with practical applications of these theories to particular works. Includes some reading in the history of criticism and in critical essays. **Prerequisite:** Foundations for English Studies (ENGL 2933).

**ENGL 4381-3 Internship (1-3 credit hours)**
Active work in local media and a publication outlets. Division permission required. Maybe repeated for a maximum of six hours in major.

**ENGL 4833 Roundtable in Creative Writing (3 credit hours)**
See C W 4833

**ENGL 4901 Advanced Academic Writing (1 credit hour)**
To be taken concurrently with another upper-division Cultural and Communication Studies course with the goal of producing a graduate school writing sample or conference presentation or publication. The course will focus on issues of academic writing: advanced citation and documentation, organizational strategies for complex and well-developed arguments, derivation and originality, and appropriate academic voice and style. May be taken in conjunction with courses in other disciplines by permission of instructor. May be repeated for credit with a different topic.

**ENGL 4931-2 Cultural and Communication Studies Colloquium (1-2 credit hours)**
A capstone course for junior and senior majors in the Cultural and Communication Studies Division designed to coordinate and integrate the work in each student’s major field. Special emphasis given to career considerations and portfolio completion.
**EQST (EQUINE STUDIES)**

**EQST 2112  Advanced Horsemanship II (2 credit hours)**
This course is designed to enhance the horsemanship and riding skills of students. The course combines theory with required riding requirements to further develop the students riding abilities. The courses utilize required text readings, written assignments and a lab type component of riding time.

**EQST 2123  Introduction to Equine Studies (3 credit hours)**
This course gives each student a foundation for a working knowledge of the horse, including the scientific and practical application of equine management and selection principles, basic overview of the history, breeds, anatomy, nutrition, reproduction, housing, herd health, and career opportunities.

**EQST 2313  Equine Care and Training I (3 credit hours)**
This course examines equine behavior and application of principles of psychology or training horses. It includes systematic approaches to horse training and emphasizes principles of equine learning and equipment use.

**EQST 3112  Equine Anatomy (2 credit hours)**
This course addresses basic equine anatomy including general knowledge of the structural basis for the horses’ main function; locomotion, and the function or malfunction of the organs of locomotion, digestion.

**EQST 3122  Equine Physiology (2 credit hours)**
This course focuses on the basic physiology of exercising horses. The systems to be examined include the cardiovascular, respiratory, and musculoskeletal systems. Included will be observation of horse health, condition, nutrition, dentistry, internal and external parasites, limb and hoof care, shoeing and trimming.

**EQST 3133  Introduction to Equine Reproduction (3 credit hours)**
Students learn the fundamental skills necessary to manage equine reproductive services including anatomy and physiology of genital tracts, estrus detection, control of cycle, survey of reproductive techniques, infertility, mare, foal, and stallion management, and equine genetics.

**EQST 3212  Equine Nutrition (3 credit hours)**
This course covers the fundamentals of equine nutrition, digestive anatomy, feed-related problems, and feed ingredient selection for all classes of horses from the growing horse through the exercising horse, including feed identification, feed quality assessment, ratio and balancing.

**EQST 3313  Equine Facilities Management (3 credit hours)**
This course provides students with a framework of knowledge about equine business through readings, discussions, and hands-on assignments which help students assess which business endeavor is right for them, create a clientele projection, gain knowledge on how to hire and maintain competent staff, effectively advertise, make insurance decisions, and budget effectively.

**EQST 3323  Equine Care and Training II (3 credit hours)**
This course is the capstone course to develop a performance ready horse. It includes aptitude and performance appraisal of horses, and equine grooming and showing. Special emphasis is given to the development of the biomechanics of a performance ready horse.

**EQST 4133  Internship (3 credit hours)**

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**FA (FINE ARTS)**

**FA 1413  Aesthetics (3 credit hours)**
See G S 1413

**FA 2123  Introduction to Fine Arts (3 credit hours)**
An exploration of the art, architecture, music, sculpture, and popular culture in various periods of the Western tradition. Emphasis will be given to cultural field experiences in the arts using the resources of the metropolitan Oklahoma City area. **Prerequisite:** One freshman semester completed or Enrichment Track III student (may enroll with no prerequisite). Aesthetics (G S 1413) recommended.

**FA 2511  Experience in Play Performance (1 credit hour)**
See SP C 2511
FIN (FINANCE)

FIN 3103 Business Finance (3 credit hours)
An introductory course in financial management which studies short-term and long-term corporate financing, the time value of money, the cost of capital, capital budgeting, and capital markets. **Prerequisite:** Principles of Accounting I (ACC 2113).

FIN 3113 Personal Finance (3 credit hours)
A course dealing with the consumer in the American economic system: budgeting, credit, buying habits, savings, health and medical care, insurance, housing, government aids, and basic investing.

FIN 3133 Investments (3 credit hours)
An introductory course dealing with the theory and practice of financial instruments to gain a basic understanding of securities and portfolio management.

FIN 3143 Real Estate (3 credit hours)
A study of basic real estate terminology, concepts and principles of real estate investments. The course includes evaluation of actual real estate listings and how to prepare an investment presentation. **Prerequisite:** Business Finance (FIN 3103).

FIN 4112-3 Principles of Insurance (2-3 credit hours)
A study of the pervasive nature of risk on the individual and society, and the way in which insurance can be used to deal with the problems posed by such risk. Topics include risk management, insurance industry, regulation, life and health insurance, property, casualty, and commercial.

FIN 4123 Money and Banking (3 credit hours)
A study of monetary institutions, regulations and the importance of monetary policy and full employment. Consideration is given to the role of money in the modern economy on the national and personal level as well as the banking system of the U.S. including the Federal Reserve System and the United States Treasury. **Prerequisite:** Macroeconomics (ECO 2113) or Microeconomics (ECO 2123).

FIN 4133 Credit & Collections (3 credit hours)
An analysis of consumer and commercial credit. Special emphasis on credit policies, credit investigation, collection problems and financial reports. Also a study of interchange credit bureaus and recent government regulations in credit. **Prerequisite:** Business Finance (FIN 3103).

FIN 4153 International Finance (3 credit hours)
An examination of the international economic environment in which a manager makes decisions and how financial management is affected by this environment. Topics include: foreign exchange risk, political risk, and methods to measure and reduce these risks. **Prerequisite:** Business Finance (FIN 3103).

FIN 4181-6 Internship/Directed Study (1-6 credit hours)
Para-professional experience or individual study of problems or reading in finance. **Prerequisite:** 12 credit hours of business, permission of the instructor, and 3.0 GPA.

FR (FRENCH)

FR 1113 Elementary French I (3 credit hours)
An introduction to the study of the French language. Although some students will have studied a little French before this course, no background in the language is expected. Special emphasis is placed on listening and speaking skills.

FR 1123 Elementary French II (3 credit hours)
A continuation of Elementary French I (FR 1113). Continued emphasis on listening and speaking skills. **Prerequisite:** Two semester HS with A or B grade or 1 semester college.

FR 2133 Intermediate French I (3 credit hours)
Development in reading, listening, speaking and writing skills in the French language on the intermediate level. **Prerequisite:** Two years HS with A or B grade or 1 year college.

FR 2143 Intermediate French II (3 credit hours)
A continuation of Intermediate French I (FR 2133). Improvement of fluency in speaking and writing in French on everyday topics along with increased speed in reading comprehension. **Prerequisite:** Intermediate French I (FR 2133) or equivalent.
FR 2313  French Culture (3 credit hours)
Group study dealing with various aspects of French culture (language, literature, history, art, music and characteristics of the people). **Prerequisite:** Elementary French II (FR 1123) or equivalent.

FR 3221-3  Special Studies in French (1-3 credit hours)
An intensive study of a specific area in French language, culture, or literature. Offered at irregular intervals, it may be repeated to a maximum of six hours of credit by varying its content. **Prerequisite:** Intermediate French II (FR 2143) or equivalent.

FR 3423  French Composition & Conversation (3 credit hours)
A course designed to help the student gain fluency in speaking and writing the French language; advanced principles of French grammar are included. **Prerequisite:** Intermediate French I (French 2133).

**GDSG (GRAPHIC DESIGN)**

GDSG 1311  Introduction to Cultural & Communication Studies (1 credit hour)
See ENGL 1311

GDSG 2113  Introduction to Web Design (3 credit hours)
See CSNE 2113

GDSG 2413  Vector & Raster Fundamentals I (3 credit hours)
This course emphasizes the development of technical proficiency through the use of the basic concepts of vector (using Adobe Illustrator) and raster (using Adobe Photoshop). Terminology of software tools, file formats, and image development will be learned using Mac operating systems.

GDSG 2423  Vector and Raster Fundamentals II (3 credit hours)
This course emphasizes the technical proficiency using the fundamental components of the vector program Adobe Illustrator™ and the raster program Adobe Photoshop™. Terminology of software tools, file formats, and image development will be learned using Mac operating systems.

GDSG 2433  Typography (3 credit hours)
This course focuses on the principles of typographic expression as a communication tool from a historical and theoretical perspective. The course will explore typographic relationships, concept development, and the principles of visual organization using the page-layout program Adobe InDesign. **Prerequisite:** ART 2413 or permission of instructor.

GDSG 3193  Art and Design Field Studies (3 credit hours)

GDSG 3383  Publication Design & Production (3 credit hours)
See ART 3383

GDSG 3413  Corporate Identity (3 credit hours)
This course explores the theories and terminology of symbols and icons with an emphasis on logo design for corporate entities. Corporate design trademark development will be explored from concept to application through the vector-based computer drawing program Adobe Illustrator. Approaches to printing are also investigated. **Prerequisite:** ART 2413 or permission of instructor.

GDSG 3433  Digital Imaging (3 credit hours)
This course focuses on the techniques and principles used to enhance and manipulate images. Principles of perceptual organization, including aesthetics and composition, will be explored through assigned projects, the use of scanners, and digital cameras. Applications will utilize the raster imaging-editing program Adobe Photoshop. **Prerequisite:** ART 2413 or permission of instructor.

GDSG 4183  Special Studies in Graphic Design (3 credit hours)

GDSG 4371  Cultural/Communication Studies Colloquium (3 credit hours)
See ENGL 4391

GDSG 4413  Information Design (3 credit hours)
Students will be introduced to the graphic methods and principles of organization used to represent quantitative data such as tables, charts, graphs, maps, diagrams, and instructional material. **Prerequisite:** ART 2413, GDSG 3423 and GDSG 3433 or permission of instructor.

GDSG 4423  Environmental Design (3 credit hours)
Students explore "wayfinding," a method of organizing design around the third dimension or the natural
environment. Emphasis will be placed on creative strategy, unique means of communication, and technical proficiency in graphic design applications. The projects will include coordinated transportation graphics, billboards, and international signage. The class will be exposed to team activities and group critiques. **Prerequisite:** GDSG 3433 or permission of instructor.

**GDSG 4431-3 Professional Practice/Internship (1-3 credit hours)**
The student will formulate and execute an extensive project under the supervision of an instructor, OR the student will complete an approved internship in the field of graphic design. This course will also allow the student to refine portfolios. **Prerequisite:** Senior standing and department chair approval.

**GK (GREEK)**

**GK 1113**  
**Beginning Greek I (3 hours)**  
A beginning study of the grammar of New Testament Greek up to the study of participles.

**GK 1213**  
**Beginning Greek II (3 hours)**  
A continuation of Beginning Greek I. **Prerequisite:** Beginning Greek I (GK 1113).

**GK 2113**  
**New Testament Greek: John (3 hours)**  
Translation of selected passages in the Gospel of John, applying the principles of structural linguistics. Exegetical method is introduced and vocabulary building is emphasized. **Prerequisite:** Beginning Greek II (GK 1213).

**GK 4182**  
**Directed Study: Readings in New Testament Greek (2 hours)**  
See GK 4183

**GK 4183**  
**Readings in New Testament Greek (3 hours)**  
Advanced readings from the Greek text of selected New Testament books. The Books of Romans, Corinthians, Prison Epistles, Matthew, Luke and Acts are offered at various times. This course may be repeated. **Prerequisite:** Nine semester credit hours of New Testament Greek (GK 2113).

**G S (GENERAL STUDIES)**

**G S 0113**  
**University Study Strategies (3 credit hours)**  
A course designed to help the student learn and improve the academic skills necessary for successful college work. Emphasis is on the development of personalized study tools and learning strategies (e.g. time management, memory improvement, comprehension, vocabulary, note-taking, information review, test anxiety).

**G S 0123**  
**Reading Strategies (3 credit hours)**  
Through group-paced activities, skill-building exercises, individually prescribed activities, and frequent reading practice, students will improve reading comprehension, speed and vocabulary. Conventional patterns of written material, both narrative and expository, will be studied in order to improve comprehension and retention. Throughout the course students will learn the techniques that will enable them to better manage reading material from a variety of sources more efficiently. Pre- and post-measurement tests will be administered to each student to determine his/her current reading level and specific level of improvement over time.

**G S 0311**  
**Seminar: Academic Turning Point (1 credit hour)**

**G S 1002**  
**Excel Honors Summit (2 credit hours)**  
A summer college experience for select high school students. This course is an eight-day, residential learning experience on the Bethany campus designed to challenge, encourage, stretch and uplift select high school students currently in their junior year. Those accepted into the program will learn from an array of outstanding professors, engage in in-depth discussion of substantive issues, participate in community service/leadership projects, enjoy recreational activities, and form lasting friendships with other junior students.

**G S 1031**  
**New Student Institute (0 credit hours)**  
A course that provides an orientation to college life and deals with the personal development of the student

**G S 1113**  
**Special Studies: (3 credit hours)**

**G S 1123**  
**Special Studies: (3 credit hours)**
G S 1163  Introduction to Biblical Literature (3 credit hours)
A General Education course. An introduction to the basic narrative line of the Bible. Significant characters, events, and themes will be the focus along with study of the way the Biblical literature functions in the formation of faith.

G S 1213  Critical Thinking Strategies (3 credit hours)
Assists students in learning how to examine their own thought processes and understanding how environment influences thinking processes, with application of higher-level thinking skills to education and personal and spiritual growth.

G S 1314  Rhetoric I (4 credit hours)
Two semester course in which students learn to evaluate assumptions, presuppositions, and arguments embedded in various texts, construct arguments based on solid evidence acquired from appropriate sources and through the use of the best available methods, and communicate those arguments clearly and concisely using sound rhetorical strategies in both speech and writing. The course includes development of essential skills in composition and presentation technology.

G S 1324  Rhetoric II (4 credit hours)
Two semester course in which students learn to evaluate assumptions, presuppositions, and arguments embedded in various texts, construct arguments based on solid evidence acquired from appropriate sources and through the use of the best available methods, and communicate those arguments clearly and concisely using sound rhetorical strategies in both speech and writing. The course includes development of essential skills in composition and presentation technology.

G S 1413  Aesthetics (3 credit hours)
A one semester course in which students learn to evaluate artistic expressions, including the fine arts, music, drama, literature, media, and human movement (i.e., dance, sports), through the use of political, sociological, anthropological and aesthetic theories.

G S 1513  Christian Faith and Life (3 credit hours)
A one semester course in which students are introduced to how a Christian perspective creates and deepens meaning in cultural, personal, social, and aesthetic issues; how to evaluate moral and ethical choices in light of sound interpretations of Christian scriptures, Christian traditions, and the Wesleyan theological perspective; and how Christians operationalize that analysis through active stewardship and service.

G S 1533  The Modern World (3 credit hours)
The Modern World is a one semester course in which students will learn to interpret and contextualize current events in light of historical, geographical, sociological, economic, and political contexts. Students study topics significant to the formation of the modern global system (c.1750-2000 CE).

G S 2111-3  Special Topics (1-3 credit hours)
G S 2123  Special Topics (3 credit hours)
G S 2131  Student Leadership Seminar (1 credit hour)
G S 2221-3  Humanities Experience (1-3 credit hours)
G S 2233  Introduction to Christian Thought (3 credit hours)
An approach to basic concepts of Christian theology via the perspective of Biblical tradition, historical development, and contemporary relevance. Specific attention will be given to addressing current social and ethical issues. Prerequisite: Intro. to Biblical Literature (B LT 1163) or one freshman semester completed.

G S 2401  Advanced Reading Techniques (1 credit hour)
A course designed to teach good readers how to read more effectively and efficiently, with greater speed and comprehension (not a remedial or basic reading course). Good preparation for undergraduate majors with extensive reading and students planning for graduate or professional school.

G S 2411  Advanced Research Techniques (1 credit hour)
A course in bibliographic instruction, designed to prepare undergraduate students for the rigors of academic research in the twenty first century. Overviews of traditional and digital resources on and off campus are a part of the practical components of the course.
G S 2421  Information Literacy (1 credit hour)
Information Literacy is designed as a one-hour online course that can be taken as a stand-alone 15-lesson online course (taught in the short summer terms) or it can be embedded into another course as the research component. It is intended to be adaptable and flexible. As a stand-alone course, a research paper would not be required; the students would do the research on a topic of their choice, but will not write a resulting paper. As embedded into a research course, the paper would be written for that course and graded by that instructor. A pre-test/post-test will assess research skills learned.

G S 3013  Introduction to Biblical Interpretation (3 credit hours)
An introduction to the study of the Bible with emphasis on the methods, perspectives, and resources of study appropriate for various kinds of Biblical Literature. The emphasis will be on prophetic, wisdom, and epistolary portions of the Bible. Prerequisite: Junior standing, Introduction to Biblical Literature (B LT 1163) and Introduction to Christian Thought (THEO2233) required. Introduction to Literature (ENGL 2413) and Introduction to Philosophy (PHIL 2013) recommended.

G S 3023  Ministry, Church, & Society (3 credit hours)
The preparation of active, purposeful lay leaders in the local church. Specific topics for study will include the theology of the church, spiritual leadership, the concept of ministry, servanthood, self-assessment skills and tools, churchmanship, stewardship of personal resources, devotional life development, volunteerism, avenues of ministry, and models for future church ministry. Prerequisite: Junior or 15 or more Gen. Ed. credit hours passed.

G S 3103  Application of Cultural Integration: Language & Latin American Perspective (3 credit hours)

G S 3323  Area Studies: (3 credit hours)
Area Studies explores the culture, history, and art of a particular ethno-linguistic groups or related groups and their interaction with and influence on the rest of the world. The group or groups to be included in the study will depend on the geographic focus of the International Studies Program.

G S 4001, 2-4  Special Studies (1, 2 or 4 credit hours)

G S 4003  Special Studies: Basics of Biblical Hebrews (3 credit hours)
An introduction to the basic grammar of Biblical Hebrew with emphasis on accidence and vocabulary building necessary for translation.

G S 4111-4  McNair Research (1-4 credit hours)

G S 4133  International Studies Capstone (3 credit hours)

G S 4170  Nazarene Int'l Language Institute (17 credit hours)

G S 4190  CCCU Programs (16 credit hours)
Semester abroad program. Approval required from advisor and director of the program.

G S 4211  McNair Supervised Practicum (1 credit hour)

G S 4423  Ethics: Personal & Professional (3 credit hours)
This course encourages students to reflect on learning, relationships, personal and professional growth, and goals. Human beings are not mere professional, biological, or psychological machines. What makes us human and distinguishes us from other creatures are our moral and spiritual qualities. This module focuses on character, personal transitions, and accomplishments. It focuses on reflection regarding personal values, commitments, and an insight into the meaning of life.

HB (HEBREW)

HB 4313  Introduction to Biblical Hebrew I (3 hours)
An introduction to the basic grammar of Biblical Hebrew with emphasis on accidence and vocabulary building necessary for translation.

HB 4323  Introduction to Biblical Hebrew II (3 hours)
A continuation of Biblical Hebrew I with more emphasis on the translation and inductive analysis of biblical texts. Prerequisite: Introduction to Biblical Hebrew I. (HB 4313) This course is offered as needed.

HB 4333  Advanced Readings in Hebrew/Aramaic (3 hours)
The translation and exegesis of selected Biblical passages as a means of studying advanced Hebrew or
Aramaic grammar and syntax. This course may be repeated. **Prerequisite:** Introduction to Biblical Hebrew II (HB 4323). It may be taken as a Directed Study with approval by the department chair and the Hebrew professor.

**HON (HONORS )**

- **HON 1111** Honors Gateway (1 credit hour)
- **HON 2113** Honors Academic Writing: Research (3 credit hours)
- **HON 2114** Academic Writing (4 credit hours)
- **HON 2123** Introduction to Professional Speaking (3 credit hours)
  
  See SP C 1233
- **HON 2133** Introduction to Biblical Literature (3 credit hours)
  
  See GS 1163
- **HON 2213** Logic & Problem-Solving (3 credit hours)
- **HON 2223** World Civ I: Prehistory to 1500 (3 credit hours)
  
  See HP 2013
- **HON 2313** Introduction to Fine Arts (3 credit hours)
  
  See FA 2123
- **HON 2323** Introduction to Christian Thought (3 credit hours)
  
  See GS 2233
- **HON 2333** Introduction to Literature (3 credit hours)
  
  See ENGL 2413
- **HON 3043** Economics (3 credit hours)
  
  See ECO 3033
- **HON 3053** Honors International Economic Dev (3 credit hours)
  
  See ECO 3053
- **HON 3114** Honors Interdisciplinary Seminar (4 credit hours)
- **HON 3211-2** Intercultural Practicum (1-2 credit hours)
- **HON 3221-2** Honors Colloquium (1-2 credit hours)
- **HON 3333** Cultural Psychology (3 credit hours)
  
  Cultural Psychology is a junior level course which immerses the student in literature, theory, research, and experience of the other. Cultures instill values and beliefs, common ways of thinking and behaving, which shape the way members view themselves and others. Although culture shapes common understanding in people groups, individual differences between group members may be as diverse as differences between a member of that group and any other group. This course requires the student to explore his/her own culture, examine similarities between his/her experiences and knowledge obtained about his/her culture, and apply this, within the specific worldview shaped by his/her faith and culture, to direct experience with others. Students will be able to demonstrate thorough knowledge of cultural identity development, facets of individual and group identity, cohesion, and change over time caused by contact with others, conflict, and adaptation. Prerequisites: Junior status; open only to Honors students; Track III students by permission of instructor.

- **HON 4111-2** Honors Thesis/Project (1-2 credit hours)

**HP (HISTORY, POLITICS, GEOGRAPHY)**

- **HP 1113** American Federal Government (3 credit hours)
  
  A course dealing with the organization and functions of the American national government in all of its branches. An emphasis is placed on the relations of the citizen to the government and upon duties and obligations of citizenship. Required for all Education degrees.
- **HP 1213** Physical Geography (3 credit hours)
  
  An introduction to the systematic methods of studying man-land relationships, including physical
geography and economics. The course is designed to meet the basic geography course requirements of an Elementary Education major as well as physical science with lab credit for Track II & III students and is a fundamental course for any Social Science major or minor.

**HP 1483**  
**United States History I (3 credit hours)**  
A study of the history of the United States from its colonial origins through end of the Civil War in 1865.

**HP 1493**  
**United States History II (3 credit hours)**  
A study of the history of the United States from the end of Reconstruction in 1877 to the present.

**HP 1533**  
**The Modern World (3 credit hours)**  
The Modern World is a one semester course in which students will learn to interpret and contextualize events in light of historical, geographical, sociological, economic, and political contexts. Students will study topics significant to the formation of the modern global system (c. 1750-2000 CE).

**HP 2013**  
**World Civ I: Prehistory to 1500 (3 credit hours)**  
This course offers an overview of the development of human civilization from our prehistoric roots to 1500. It will analyze political, social, economic, moral, and ideological foundations important in the development of today's global society. Students will explore important concepts through lecture, discussion, collaborative publishing, and primary document analysis.

**HP 2023**  
**World Civ II: 1500 to Present (3 credit hours)**  
This course offers an overview of the development of human civilization from 1500 to the present. It will analyze political, social, economic, moral, and ideological foundations important in the development of today's global society. Students will explore important concepts through lecture, discussion, collaborative publishing, and primary document analysis.

**HP 2112-3**  
**Historical Methods (2-3 credit hours)**  
This course introduces students to the ways in which historians think about the past and the methods used within the discipline. The primary focus is on research methods and historical writing. Required for all majors and prerequisite to all upper division classes.

**HP 2123**  
**Introduction to Politics (3 credit hours)**  
An introduction to the art of politics with special attention being given to political theory and political ideologies, the origin and nature of law, and the normative and empirical methodology of the discipline. Required for all history and politics majors and minors.

**HP 2143**  
**Introduction to Law (3 credit hours)**  
The goal of this course is to provide a basic understanding of the American legal system from a variety of perspectives, both civil and criminal. The course focus includes essential history and the working structure of the government, procedural issues in the courts, specific concepts of basic categories of law, the distinctive characteristics of criminal law and procedure, and legal ethics on the practice of law.

**HP 2203**  
**Special Topics in Oklahoma History (3 credit hours)**

**HP 2213**  
**Earth's Natural Disasters (3 credit hours)**  
This course is designed to explore various types of natural events and hazards that lead to loss of human life and property; explore the underlying causes of these events and where they are likely to happen; and, to identify kinds of things people can do to mitigate, prevent, respond to and recover from them.

**HP 2413**  
**Geomorphology (3 credit hours)**  
This course will introduce students to the physical processes at work in the creation of terrestrial landscapes. In particular, students will be introduced to plate tectonic theory, basic geology, weathering, and the various types of erosion that shape fluvial, glacial, aeolian, and karst landscapes. Additionally, students will develop practical map reading skills.

**HP 2503**  
**World Regional Geography (3 credit hours)**  
The goal of this course is to introduce students to the important challenge of globalization and the rapid pace of interconnection between people and places across the Earth. Through this course, students will explore the problems and possibilities created by globalization by studying selected world regions.

**HP 3003**  
**Special Studies in History (3 credit hours)**  
General Studies Elective course in special topics.

**HP 3111-3**  
**Oklahoma Intercollegiate Legislature (1-3 credit hours)**  
Students participate in mock legislature hosted at the Oklahoma State Capital. Credit hours depend upon
level of participation. One hour granted for students who write a bill for the mock legislature and attend the legislative session. Two-three credit hours awarded to students who take an active role in leadership both on-campus and in the legislature.

HP 3123  Legislative Process (3 credit hours)
A study of congress with its committee systems and pressure politics; legislative leadership; the legislator and constituents; lobbyist and special interest groups; and the relationship between the legislative and executive branches of government.

HP 3133  Geographical Information Systems (3 credit hours)
Introduction to the concepts and tools related to doing geospatial analysis using Geographical Information System software. Particular emphasis is placed on developing general competency with GIS software and designing meaningful GIS projects. Students studying marketing, geography, politics, the social sciences, environmental science, and history will benefit from having skills in this emerging analytical tool.

HP 3143  American State & Local Government (3 credit hours)
A study of the organization, principles and working of the state, county and municipal governments within the American political system.

HP 3153  Public Administration (3 credit hours)
A study of concepts of public administration and the significance of administration in the modern state.

HP 3173  Judicial Process (3 credit hours)
An examination of the American judicial system in both its historical and modern contexts. Trends in judicial interpretation, development and operation of the court system and current practices of the judiciary are among the topics discussed.

HP 3213  Political & Social Philosophy (3 credit hours)
A study of ideas from ancient through modern times from such major thinkers as Aquinas, Augustine, Machiavelli, Hobbes, Locke, Rousseau, Montesquieu, Marx, Smith, and John Stuart Mill. Themes of study will include such topics as wisdom, virtue, the just society, the good society, equality, property, natural rights, liberty, power, and human nature.

HP 3223  Ideology Land: Arab & Jewish Perspectives (3 credit hours)
See BLT 3223

HP 3313  Colonial & Revolutionary America (3 credit hours)
A study of America from the beginning of European exploration to 1783 focusing on European colonization in North America; the political, social, cultural, intellectual and economic development of British North America, British imperial structure and the dynamics of international rivalries, and developments of the Revolutionary era. Prerequisite: U.S. History I & II (HP 1483, 1493) and Historical Methods (HP 2112) OR permission of the instructor.

HP 3323  Early National Period: 1783-1850 (3 credit hours)
A study focusing on the American Republic in its formative stages. Beginning with the Confederation government and concluding with the Compromise of 1850, the course focuses on the political and economic development of the new republic and the growth of a distinctively American culture and political institutions. Prerequisite: U.S. History I & II (HP 1483, 1493) and Historical Methods (HP 2112) OR permission of the instructor.

HP 3333  Civil War and Gilded Age (3 credit hours)
This course is a survey of the political, military, constitutional, economic, and social impact of the Civil War as well as the consequences of Reconstruction. The course concludes with an examination of the significant changes occurring in the United States during the last quarter of the nineteenth century. Prerequisite: U.S. History I & II (HP 1483, 1493) and Historical Methods (HP 2112) OR permission of the instructor.

HP 3343  Birth of Modern America (3 credit hours)
This course examines the emergence of Modern America through the key events that shaped the nation’s course in the first half of the 20th century. Emphasis is placed on assessing the significant transformations that took place in American society as the nation shed its traditions and stepped into the Modern Age. Prerequisite: U.S. History I & II (HP 1483, 1493) and Historical Methods (HP 2112) OR permission of the instructor.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
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<tbody>
<tr>
<td>HP 3353</td>
<td>Recent America (3 credit hours)</td>
<td>3</td>
<td>This course will examine the political, social, economic, intellectual, diplomatic and cultural dynamics that shaped the last half of the Twentieth Century. <strong>Prerequisite:</strong> U.S. History I &amp; II (HP 1483, 1493) and Historical Methods (HP 2112) OR permission of the instructor.</td>
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<tr>
<td>HP 3413</td>
<td>Medieval Europe (3 credit hours)</td>
<td>3</td>
<td>A study of European history from the Fall of Rome to the Renaissance. Emphasis will be given to the role of the church in society, feudal culture, and the development of the Western mentality. <strong>Prerequisite:</strong> World Civilization I (HP 2013) or Modern World (HP 1533) and Historical Methods (HP 2112) OR permission of the instructor.</td>
</tr>
<tr>
<td>HP 3423</td>
<td>Early Modern Europe: 1450-1789 (3 credit hours)</td>
<td>3</td>
<td>A study of the Rise of Modern Europe from the Renaissance and Reformation through the age of Absolutism to the fall of the Old Regime. This course will explore the development of the distinctive elements of modernity in the areas of politics, economics, society, religion, intellect and the arts. <strong>Prerequisite:</strong> World Civilization I (HP 2013) or Modern World (HP 1533) and Historical Methods (HP 2112) OR permission of the instructor.</td>
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<tr>
<td>HP 3433</td>
<td>Modern Europe: 1789-1960 (3 credit hours)</td>
<td>3</td>
<td>A study of Europe from the French Revolution to the beginning of World War I. Particular attention will be given to the events of the Revolution and Napoleon's imperium, the struggle between the forces of change and the forces of reaction in the mid-nineteenth century and the political and social developments of the age of imperialism. The course also examines the transformation of Europe that resulted from two world wars and the emergence of the cold war. <strong>Prerequisite:</strong> World Civilization I (HP 2013) or Modern World (HP 1533) and Historical Methods (HP 2112) OR permission of the instructor.</td>
</tr>
<tr>
<td>HP 3991-3</td>
<td>Special Topics (1-3 credit hours)</td>
<td>1-3</td>
<td>Independent research, life-learning credit, or one-time courses of special relevance in History of Political Science. Restricted enrollment; see Chair of Department of History, Politics, and Geography. No more than six (6) hours of this credit may apply toward the History major.</td>
</tr>
<tr>
<td>HP 4003</td>
<td>Special Studies in History (3 credit hours)</td>
<td>3</td>
<td>General Studies Elective course in special topics.</td>
</tr>
<tr>
<td>HP 4113</td>
<td>International Relations (3 credit hours)</td>
<td>3</td>
<td>An analysis of international politics as well as a study of the factors that govern both peaceful and belligerent interactions among nation-states. There will be an emphasis on such factors as nationalism, colonial and economic imperialism, power and ideology and international law and organization.</td>
</tr>
<tr>
<td>HP 4123</td>
<td>Modern East Asia (3 credit hours)</td>
<td>3</td>
<td>A study of the political and economic development of East Asia (China, Japan, Korea) since 1850 with special attention given to the development of Communism in China and North Korea, and the &quot;economic miracles&quot; in Japan and South Korea. <strong>Prerequisite:</strong> Sophomore standing or American Federal Government (HP 1113).</td>
</tr>
<tr>
<td>HP 4133</td>
<td>Comparative Politics (3 credit hours)</td>
<td>3</td>
<td>A thorough study of the world politics utilizing the comparative approach. Attention will be given to the theory of comparative politics as well as ideologies, governmental structures, and the political dynamics of change and public policy-making. In addition to major world governments there will be a focus on Third World countries with regard to such issues as modernization, and the tensions between economic development and historic-cultural integrity.</td>
</tr>
<tr>
<td>HP 4153</td>
<td>Constitutional Law (3 credit hours)</td>
<td>3</td>
<td>In the United States with its written constitution, constitutional law consists of the application of fundamental principles of law based on that document, as finally interpreted by its highest judicial organ, the Supreme Court. The intent of this course is to show how the court has contributed to the allocation of political power and the determination of important public policy policies.</td>
</tr>
<tr>
<td>HP 4173</td>
<td>Modern Latin America (3 credit hours)</td>
<td>3</td>
<td>This is an upper division survey of Modern Latin American History and Culture. Using a multidisciplinary approach students will examine the political, social, economic and cultural aspects of the 33 sovereign states that make up Latin America and the Caribbean region. This is an area which has great political and economic importance for the United States and which promises to be even more critical in the 21st Century. However, our knowledge of the area is characterized by ignorance and long held prejudices. This</td>
</tr>
</tbody>
</table>
course aims to remedy that state of affairs. Prerequisite: U.S. History I & II (HP 1483, 1493) and Historical Methods (HP 2112) OR permission of the instructor.

**HP 4191-3 Internship in History (1-3 credit hours)**

**HP 4303 Topics in U.S. History (3 credit hours)**
This course deals with a variety of topics in American History on a rotating basis. Topics include Religious History, Intellectual and Cultural History, Environmental History, the American West and the Vietnam War. Prerequisite: U.S. History I & II (HP 1483, 1493) and Historical Methods (HP 2112) OR permission of the instructor.

**HP 4333 American Environmental History (3 credit hours)**
Exploration of the relationship between humans and nature in the past, particularly in the North American context. Special consideration is given to the changing character of natural theology from the colonial period to the present, the development of natural resources, the conservation and preservation movements, and contemporary environmental struggles that revolve around local and global interactions.

**HP 4353 America in Vietnam (3 credit hours)**
This course focuses on the American involvement in Vietnam from 1945 to 1975. Emphasis is placed on the ways in which U.S. actions were a reflection of American culture in the late twentieth century as well as the impact of the war on the American political system. Prerequisite: sophomore standing or permission of instructor.

**HP 4363 Oklahoma History (3 credit hours)**
A study of Oklahoma history from its prehistoric origins. There will be special emphasis on 19th Century developments among Indian and White cultures and the effect of the late pioneer heritage. Required by Social Studies-Education majors for the secondary teaching certificate in Oklahoma. Prerequisite: U.S. History I & II (HP 1483, 1493) and Historical Methods (HP 2112) OR permission of the instructor.

**HP 4393 Field Studies in History (3 credit hours)**
A field course introducing students to the history of the United States or other regions of the Americas through reading coupled with visits to historic places. Topics of emphasis vary.

**HP 4403 Topics in European History (3 credit hours)**
This course examines selected topics in European History on a rotating basis. Topics include European Intellectual and Cultural History, the History of Science, Nationalism in Modern Europe, and The Quest for Empire. Prerequisite: World Civilization I (HP 2013) or Modern World (HP 1533) and Historical Methods (HP 2112) OR permission of the instructor.

**HP 4433 Anti-Semitism & the Holocaust (3 credit hours)**
A study of the history of anti-Semitism, with special attention to the twentieth-century Nazi phenomenon of the "final solution" which led to the holocaust; Jewish responses to anti-Semitism; and reflections on the holocaust. Prerequisite: World Civilization I (HP 2013) or Modern World (HP 1533) and Historical Methods (HP 2112) OR permission of the instructor.

**HP 4443 History of Judaism (3 credit hours)**
A study of Judaica from the Jewish commonwealth, through medieval and modern times. Attention will be given to the origins of American Judaism, and the role of Judaism in the contemporary scene; and the historic origins and development of Judaism in the ancient Near East. Prerequisite: World Civilization I (HP 2013) or Modern World (HP 1533) and Historical Methods (HP 2112) OR permission of the instructor.

**HP 4513 Political Geography (3 credit hours)**
An introduction to the subject of political geography designed to enable students to gain a critical appreciation of new and emerging political geographies. Political geographers are principally concerned with the spatiality of politics and political life and how that spatiality is produced. The course explores concepts such as the map, the state, territory, frontier and boundary; examines further the state and questions of political identity and behavior, focusing on nationalism, regionalism and separatism as well as transboundary and global environmental issues; relationships between states, focusing on geopolitics, humanitarianism, and transitions in the global political order; and addresses the political geographies of globalization or the various ways in which places, people and events are increasingly interlinked through networks of global significance and extent.

**HP 4603 Methods of Teaching Social Studies (3 credit hours)**
This course is designed for the social studies education major. Its purpose is to enhance the student's
ability to develop appropriate instructional goals and objectives that are applicable to student needs and learning modes, emphasizing the ten NCSS content standards. This course will also include an observation/internship within a multicultural setting. The hours required for this internship will vary depending on what students need in order to complete the Oklahoma State Department’s forty-five (45) hour requirement. A participatory and interactive form of instruction will be utilized in this course.

HP 4912  Senior Project (2 credit hours)
Students will work closely with History faculty to develop, research, and write an original undergraduate thesis. Required of all majors.

HUM (HUMANITIES)
HUM 1002  Excel Honors Summit (2 hours)
See G.S. 1002

HUM 4003  Special Studies in Humanities (3 hours)

HUM 4173  Modern Latin America (3 hours)
An upper-division survey of Modern Latin American History, this ISM uses a multidisciplinary approach to examine political, social and cultural aspects of the 33 sovereign states that make up Latin America and the Caribbean region. This is an area which is important politically to the United States and which promises to be even more so in the 21st century. However, North American knowledge of the area tends to be characterized by ignorance and long-held prejudices. This course aims to remedy that state of affairs.

IEP (INTENSIVE ENGLISH)
IEP 0013  Foundations of Vocabulary/Reading (3 credit hours)
This is a foundational vocabulary and reading course of English for speakers who have no English. Emphasis is on not only knowing the definitions of words but also their synonyms, connotations, collocations, parts of speech, spelling, and pronunciation. By learning these things, students can then use the vocabulary in reading, writing, and speaking. It is a 50 minute course meeting five days per week. Students must pass with a C, both a midterm exam and a comprehensive final exam as well as other interim assignments in order to continue to the next level of proficiency.

IEP 0023  Foundations of Composition/Grammar (3 credit hours)
This is a foundational composition and grammar course of English for speakers who have no English. Emphasis is on not only knowing the definitions of words, but also their synonyms, connotations, collocations, parts of speech, spelling, and pronunciation. By learning these things, students can then use these skills in reading, writing, and speaking. It is a 50 minute course meeting five days per week. Students must pass with a C, both a midterm exam and a comprehensive final exam in order to continue to the next level of proficiency.

IEP 0024  English Language and Culture I (4 credit hours)
A required course for those international students who score below 550 on the TOEFL or below 6 on the IELTS; optional for any student speaking English as a second language. The course meets five days a week and helps students develop speaking and listening as well as reading skills. This course is a preparation for successful work in Composition I (ENGL 1113), not a substitute. Lab required.

IEP 0034  English Language and Culture II (4 credit hours)
A course designed for students speaking English as a second language. Continued emphasis on speaking, listening and reading skills will be presented as well as the development of writing skills. This course is further preparation for successful work in Composition I (ENGL 1113), not a substitute. Lab required.

IEP 0113  Beginning Vocabulary/Reading (3 credit hours)
This is a beginning vocabulary course of English for speakers who have some English. Emphasis is on not only knowing the definitions of words, but also their synonyms, connotations, collocations, parts of speech, spelling and pronunciation. It is a 50 minute course meeting five days per week. Students must pass with a C, both a midterm exam and a comprehensive exam in order to continue to the next level of proficiency.

IEP 0123  Beginning Composition/Grammar (3 credit hours)
This is a beginning composition/grammar course of English for speakers who have some English. Emphasis is on not only knowing the definitions of words, but also their synonyms, connotations, collocations, parts of speech, spelling, and pronunciation. By learning these things, students can use them
in reading, writing and speaking. It is a 50 minute course meeting five days per week. Students must pass with a C, both a midterm exam and a comprehensive final exam in order to continue to the next level of proficiency.

**IEP 0213  Lower Intermediate Vocabulary/Read (3 credit hours)**
This lower intermediate reading course is for students with some English. Emphasis is on not only reading comprehension, but also reading skills, and analysis of text. By learning these things, students can then use the concepts learned in their class. It is a 50 minute course meeting five days per week. Students must pass with a C, both a midterm exam and a comprehensive final exam in order to continue to the next level of proficiency.

**IEP 0223  Lower Intermediate Composition/Gram (3 credit hours)**
This is a lower intermediate grammar course of English. Emphasis is on not only composition, but also composition and editing. By learning these things, students can then use the concepts learned in their composition class. It is a 50 minute course meeting five days per week. Students must pass with a C, both a midterm exam and a comprehensive final exam in order to continue to the next level of proficiency.

**IEP 0313  Intermediate Vocabulary/Reading (3 credit hours)**
This is an intermediate course of English. Students review writing multiple types of sentences. Also, students may write various types of paragraphs. It is a 50 minute course meeting five days per week. Students must pass with a C, both a midterm exam and a comprehensive final exam in order to continue to the next level of proficiency.

**IEP 0323  Intermediate Composition/Grammar (3 credit hours)**
This is an intermediate composition/grammar course of English. Students review writing multiple types of paragraphs. Also, students may write a few short essays. It is a 50 minute class meeting 5 days per week. Students must pass with a C, both a midterm exam and a comprehensive final exam in order to continue to the next level of proficiency.

**IEP 0413  Upper Intermediate Vocabulary/Read (3 credit hours)**
This is a upper intermediate reading course of English for students who have some English. Students learn multiple types of basic grammar components. Also, students learn to find common mistakes and correct them in sentences and paragraphs. It is a 50 minute course meeting five days per week. A student must pass with a C, both a midterm exam and a comprehensive final exam in order to continue to the next level of proficiency.

**IEP 0423  Upper Intermediate Composition/Gram (3 credit hours)**
This is an upper intermediate grammar/editing course of English. Students learn to use various intermediate grammar components in sentences. Also, students learn how to find common mistakes and correct them in paragraphs and essays. It is a 50 minute course meeting 5 days per week. Students must pass with a C, both a midterm exam and a comprehensive final exam in order to continue to the next level of proficiency.

**IEP 0513  Lower Advanced Vocabulary/Reading (3 credit hours)**
This is a lower advanced course of English vocabulary and reading for fairly proficient speakers of English. Emphasis is on reading, vocabulary, and structure in communication. It is a 50 minute course meeting five days per week. A grade of C or better is required to continue to the next level of proficiency.

**IEP 0523  Lower Advanced Composition/Grammar (3 credit hours)**
This is a lower advanced course of English composition and grammar for fairly proficient speakers of English. Emphasis is on writing compositions and essays as well as correct grammar and editing. It is a 50 minute course meeting 5 days per week. A grade of C or better is required to continue to the next level of proficiency.

**IEP 0613  Advanced Vocabulary/Reading (3 credit hours)**
This is an advanced course of English vocabulary and reading and the final course before proficiency. Emphasis is on reading and correct use of vocabulary in oral and written communication. It is a 50 minute course meeting five days per week. A grade of C or better is required to continue to the next level of proficiency.

**IEP 0623  Advanced Composition/Grammar (3 credit hours)**
This is an advanced course of English composition and grammar. Emphasis is given to lengthy essays, editing, and written and oral communication. It is a 50 minute course meeting five days per week. A grade of C or better is required to continue to the next level of proficiency.
KINESIOLOGY

KNES 1511  Teaching & Performance of Weight Training (1 credit hour)
Instruction in weight training techniques for developing strength and endurance with emphasis on correct
techniques for proper lifting and spotting, beginning overload, progression, maintenance, frequency,
duration and rest, proper warm-up and cool down procedures. The relationship between strength training
and health/wellness related benefits is emphasized.

KNES 1522  Care & Prevention of Athletic Injuries (2 credit hours)
The course will primarily focus of the prevention, recognition and evaluation, and the initial management
and treatment of common athletic injuries. Organization, administration, education and counseling
concepts will also be introduced to the student. Lecture and laboratory experiences will be blended to
provide a practical approach for prospective coaches. Fee Required.

KNES 1601  Foundations of Athletic Training (1 credit hour)
Designed to give the student a chance to explore athletic training as a profession through an introductory
clinical experience.

KNES 1613  First Aid/CPR & Safety & Lab (3 credit hours)
The purpose of First Aid and CPR is to teach the knowledge and skills that are needed for the emergency
care of the injured of ill until medical care can be obtained. Initial management and prevention will be
emphasized, and integrated into a lecture and laboratory format. Red Cross Certificates in First Aid and
CPR will be given to those who qualify.

KNES 1624  Lower Extremity Injury Recognition/Evaluation & Lab (4 credit hours)
This course is designed to introduce the student to the Profession of Athletic Training. The course will
primarily focus on the prevention, recognition and evaluation, and the initial management and treatment
of common athletic injuries to the lower extremity. The laboratory experience is designed to assist the
student in mastering evaluation, taping and bracing proficiencies associated with lower extremity injuries.
Emphasis is placed on practice and evaluation of the clinical proficiencies. Two lecture/discussion periods
and two hours of lab experience per week. Fee required.

KNES 1713  Foundations of Kinesiology & Sport Management (3 credit hours)
An overview course dealing with basic concepts involved in Kinesiology and Sport Management careers,
history, and early leaders. A study of future directions in Kinesiology and Sport Management are
considered for the modern society.

KNES 2511  Motor & Sport Skill I (1 credit hour)
This course is one of five Motor and Sport Skills courses required for the Sport and Leisure and P-12
teacher education certification. The Exercise Science degree requires four of the five Motor and Sport Skills
courses. Course content will provide instructional activities in football, basketball, and bowling. Course
instruction will be on motor skill proficiency, acquisition, and techniques, rules, tactics, and safety practic-
es for individual and team participation.

KNES 2521  Motor & Sport Skill II (1 credit hour)
This course is one of five Motor and Sport Skills courses required for the Sport and Leisure and P-12
teacher education certification. The Exercise Science degree requires four of the five Motor and Sport Skills
courses. Course content will provide instructional activities in soccer, volleyball, and archery. Course in-
struction will be on motor skill proficiency, acquisition, and techniques, rules, tactics, and safety practices
for individual and team participation.

KNES 2531-3  Officiating (1-3 credit hours)
A study of rules, interpretation, and officiating techniques for basketball, volleyball, softball, soccer.
Practical laboratory officiating experiences are required. Students who qualify through practical and
written exams may become certified officials in that sport.

KNES 2541  Practicum & Clinical Experience (1 credit hour)
A field experience for the teacher candidate to observe modeling, class organization, preparation and
actual teaching with an elementary student population.

KNES 2551  Motor & Sport Skill III (1 credit hour)
A field experience for the teacher candidate to observe modeling, class organization, preparation and
actual teaching with a secondary student population.
KNES 2561  Motor & Sport Skill IV (1 credit hour)
This course is one of five Motor and Sport Skills courses required for the Sport and Leisure and P-12 teacher education certification. The Exercise Science degree requires four of the five Motor and Sport Skills courses. Course content will provide instructional activities in rhythms, gymnastics, and track and field. Course instruction will be on motor skill proficiency, acquisition, and techniques, rules, tactics, and safety practices for individual and team participation.

KNES 2571  Motor & Sport Skill V (1 credit hour)
This course is one of five Motor and Sport Skills courses required for the Sport and Leisure and P-12 teacher education certification. The Exercise Science degree requires four of the five Motor and Sport Skills courses. Course content will provide instructional activities in swimming, golf, and softball. Course instruction will be on motor skill proficiency, acquisition, and techniques, rules, tactics, and safety practices for individual and team participation.

KNES 2613  Personal & Community Health (3 credit hours)
A study of the basic principles and practices of personal hygiene, drug, mental health and community health problems with emphasis on contemporary health problems.

KNES 2621  Fitness Assessment and Technology (1 credit hour)
Technology/Professional Applications in Physical Education contributes to the student's development of becoming a reflective, responsive, resourceful professional. This course is one method by which students become cognizant of their role in a learner's educational journey. The course will utilize bio-electrical impedance units, heart rate monitors, nutritional software, video analysis and fitness testing software for students to assess the impact of technology in the educational process.

KNES 2623  Structural Kinesiology (3 credit hours)
A study of articulations and movements, and muscular analysis involved with various sports, exercises, rehabilitative programs and daily activities.

KNES 2632  Athletic Training Clinical Rotation I (2 credit hours)
This course is clinical and intended to provide the student with hands-on experience in the prevention, treatment, & rehabilitation of athletic injuries under the direct supervision of the Clinical Instructor. The clinical experience will also provide the student with exposure to and practice in athletic training administration and management issues and skills. Prerequisite: Sophomore status, successful completion (P) of KNES 1601, acceptance to the Athletic Training program following previous Spring application & interview.

KNES 2642  Athletic Training Clinical Rotation II (2 credit hours)
This course is clinical and intended to provide the student with hands-on experience in the prevention, treatment, & rehabilitation of athletic injuries under the direct supervision of the Clinical Instructor. This experience will also provide the student with exposure to and practice in athletic training administration and management issues and skills. Prerequisite: ‘A’ or ‘B’ in Athletic Training I (KNES 2632).

KNES 2653  Introduction to Health Psychology (3 credit hours)
A study of psychological principles, behavioral medicine, and behavioral health theories and application of theories, particularly in relation to individual approach and treatment strategies. Focus will be on how and why individual health behavior affects the formation and/or management of: stress, pain, chronic disease, and overall health or wellness.

KNES 2664  Upper Extremity Injury Recognition/Evaluation & Lab (4 credit hours)
This course will provide a basis for injury assessment and management of athletic injuries to the upper extremities. Emphasis will be placed on recognition and evaluation skills used in Athletic Training. The course will be conducted in an integrated lecture and laboratory format. The lab experience is designed to provide the student with skills necessary for injury assessment and management of athletic injuries to the upper extremities. Mastery of the clinical proficiencies and recognition, evaluation and management of upper extremity injuries are the emphases of this lab. Two lecture/discussion periods and two hours of lab experience per week. Fee required. Prerequisite: Low Ext Inj Recg/Eval & Lab (KNES 1624).

KNES 2672  Terminology for Health Professions (2 credit hours)
This course is designed to provide the student with an understanding of terminology used by health care professionals. On-line and CD-ROM instruction is used to enable the student to develop an extensive medical vocabulary using a competency based format.
KNES 2673  **Pathophysiology & Lab (3 credit hours)**
This course enables the student to think critically about general medical conditions and disabilities. It enables the student to integrate knowledge, skill and behavior to assume professional responsibility. The student will develop an understanding of general medical conditions and disabilities associated with physically active individuals. This course will cover conditions of the derma, head including the brain, face including the eyes, ears nose and throat, thorax, heart and lungs, abdomen, renal and urogenital systems.

KNES 3512  **Coaching (2 credit hours)**
A study of the principles of coaching with an emphasis on organization, coaching strategies, behavioral management, and unique responsibilities involved in coaching.

KNES 3523  **School Health/Safety Curriculum: P-12 (3 credit hours)**
The course is designed to expose students to the new insights and concepts in curriculum development, teaching strategies, and professional services in school health education grade K-12.

KNES 3532  **Health, Safety, Nutrition, & P.E. (2 credit hours)**
Theory and laboratory course concerning methods and techniques of teaching health, safety, nutrition and physical education in the elementary schools. Emphasis on group organization and program planning for instruction in the progression of activities which will improve the Health-Related Fitness Components (Cardiovascular Fitness, Muscular Strength, Muscular Endurance, Flexibility, and Nutritional & Body Composition).

KNES 3533  **Methods in Elementary P.E. (3 credit hours)**
Theory, observation, participation, and laboratory course concerning methods and techniques of physical education in the elementary schools. Emphasis on group organization and program planning for instruction in progression and sequential curriculum of physical activities.

KNES 3543  **Methods in Secondary P.E. (3 credit hours)**
Methods and materials for teaching physical education in the secondary schools. **Prerequisite:** Admission to professional semester.

KNES 3613  **Exercise Physiology (3 credit hours)**
Study of the physiological effects of physical exercise. Changes in muscular efficiency, fatigue, recovery, and neuromuscular control, with special references to activity, are studied. Fee required. **Prerequisite:** HS biology course with A or B grade. Recommended BIOL-2234, Human Physiology.

KNES 3624  **Therapeutic Modalities & Lab (4 credit hours)**
This course is designed to provide the student with a basic understanding of the application and competent administration of therapeutic modalities. Lecture and laboratory experiences will provide a study of physiological, biomechanical and therapeutic concepts which will be integrated into rationale for efficacious treatment. The lab experience is designed to provide the student with the opportunity to develop competent application and administration skills in the use of therapeutic modalities. The clinical proficiencies are mastered using a wide range of therapeutic modalities. Three lecture/discussion periods and two hours of lab experience per week. Fee required.

KNES 3652  **Athletic Training Clinical Rotation III (2 credit hours)**
This course is clinical and intended to provide the student with hands-on experience in the prevention, treatment, & rehabilitation of athletic injuries under the direct supervision of the Clinical Instructor. The clinical experience will also provide the student with exposure to and practice in athletic training administration and management issues and skills. **Prerequisite:** Junior status and grade of "A" or "B" in Athletic Training Practicum II (KNES 2642).

KNES 3662  **Athletic Training Clinical Rotation IV (2 credit hours)**
This course is clinical and intended to provide the student with hands-on experience in the prevention, treatment, & rehabilitation of athletic injuries under the direct supervision of the Clinical Instructor. This experience will also provide the student with exposure to and practice in athletic training administration and management issues and skills. **Prerequisite:** 'A’ or ‘B’ in Athletic Training Practicum III (KNES 3652).

KNES 3703  **Essentials of Personal Fitness Training**
As a preparation for the National Academy of Sport Medicine exam for Personal Training, this course is designed to provide students with theoretical and practical knowledge of the physiological, functional, and biomechanical aspects of designing and supervising strength and conditioning programs for various populations. The course will include both lecture and lab format. Lab activities will provide hands-on experi-
ence with specific resistance training and conditioning techniques including flexibility, core stabilization and balance training.

**KNES 3712-3 Sociology of Sports (2-3 credit hours)**
Survey course dealing with sports known to various social groups and countries; brief glimpses into foreign approaches to games, sports, physical education, etc.; to prepare students to discuss current sport picture in modern world to include all major countries.

**KNES 3723 Sport Marketing and Promotions (3 credit hours)**
This course is designed for the student preparing for a career in Exercise Science and Sport Management. Emphasis is placed on theories, principles, and practices for developing, implementing, management, and marketing Exercise and Sport Programs.

**KNES 3733 Sports Law (3 credit hours)**
This course presents the basics of the legal system, its terminology, and principles as applied to professional, amateur and recreational sports. Emphasis is placed on identifying and analyzing legal issues, the ramifications of those issues, risk management and limiting the liability of sport organizations. The concepts of tort law, constitutional, and statutory law are discussed.

**KNES 3734 Practicum (4 credit hours)**
A course designed to give the student first-hand experience in planning, organizing, instructing, and management skills related to Kinesiology & Sport Management. **Prerequisite**: Approval of advisor and Kinesiology Department Chair.

**KNES 3753 Sport Governance (3 credit hours)**
The course introduces the student to international, national, amateur, intercollegiate and interscholastic governing bodies in sport. This course will critique existing policy and examine the development of suggested policies for the management of sport organizations. Additionally, will discuss the ethical issues encountered by today's sport managers. Issues of eligibility, recruitment and compliance are examined through the guideline documents of multiple governing bodies.

**KNES 3763 NASM Essentials of Sports Performance Training**
This course is based on the National Academy of Sports Medicine (NASM) proprietary Optimum Performance Training (OPT) model. This model teaches future sports performance coaches and other trainers how to strategically design strength and conditioning programs to train athletes safely and effectively. Students will learn NASM’s systematic approach to program design with sports performance program guidelines and variables; protocols for building stabilization, strength, and power programs; innovative approaches to speed, agility and quickness drills.

**KNES 4513 Adapted/Inclusive Phys Education (3 credit hours)**
A course designed to acquaint the student with developmental and adaptive physical education and how it is to meet, through physical education methods and activities, the individual needs of persons who are handicapped in some respect; who have functional defects of deficiencies amenable to improvement through exercise; or who possess other inadequacies which interfere with their successful participation in the diversified and vigorous activities of the general physical education program.

**KNES 4523 Motor Learning (3 credit hours)**
A study of the processes and the organismic and situational factors related to the acquisition and performance of motor skills.

**KNES 4533 Research Measurement & Evaluation (3 credit hours)**
A study of principles, concepts, and application of measurement and evaluation including test selection, administration, statistical analysis, and interpretation of results. Emphasis will be placed on need for measurement and evaluation in a changing profession in a changing society. Use of computers and computer programs related to careers in teaching, health/wellness management, athletics, and exercise science will be presented.

**KNES 4634 Therapeutic Physical Rehab & Lab (4 credit hours)**
This course is designed to familiarize the student with the injury management process, and provide the student with an introduction to the basic concepts of athletic rehabilitation. The course will focus on the therapeutic progression of an athlete through an injury recovery process. Etiology, symptomatology, pathology, biomechanics, surgical management and non-surgical management will be discussed as they relate to the rehabilitation process. Counseling, home programs, and patient education concepts will be integrated into a lecture and laboratory experience for the student. The lab experience provides the
student with "hands-on" opportunity to master the clinical skills of a progressive rehabilitation plan. The clinical proficiencies for PNF, joint mobilization, balance, ROM and strength development applied to each region of the body are emphasized. Three lecture/discussion periods and two hours of lab experience per week. Fee required. **Prerequisite:** Athletic Training II (KNES 4613), Exercise Physiology (KNES 3633), and Therapeutic Modalities & Lab (KNES 3624).

**KNES 4643** Administration & Management of Athletic Training Program (3 credit hours)

A study of the organization, administration, and professional standards regarding the knowledge and skills necessary for approaching and solving management/administration issues in an athletic training setting. Learning and application of management theories will be addressed from a problem-solving perspective through the use of case studies.

**KNES 4652** Athletic Training Internship I (2 credit hours)

This course is to be an off-campus, summer experience arrangement (90 hours) made by the student and approved by the Athletic Training Program Director. The course is clinical and intended to provide the student with hands-on experience in the prevention, treatment, & rehabilitation of athletic injuries under the direct supervision of a Certified Athletic Trainer in a sport or setting not available to the student through the Practicum courses. The clinical experience will also provide the student with exposure to and practice in athletic training administration and management issues and skills. **Prerequisite:** Grade of 'A' or 'B' in Athletic Training Practicum I & II (KNES 2632/2642).

**KNES 4662** Athletic Training Internship II (2 credit hours)

This course is to be an off-campus, summer experience arrangement (90 hours) made by the student and approved by the Athletic Training Program Director. The course is clinical and intended to provide the student with hands-on experience in the prevention, treatment, & rehabilitation of athletic injuries under the direct supervision of a Certified Athletic Trainer in a sport or setting not available to the student through the Practicum or Internship I courses. The clinical experience will also provide the student with exposure to and practice in athletic training administration and management issues and skills. **Prerequisite:** Grade of 'A' or 'B' in Athletic Training Practicum III (KNES 3652), Athletic Training Internship I (KNES 4652) and Athletic Training Practicum IV (KNES 3662).

**KNES 4672** Athletic Training Clinical Rotation V (2 credit hours)

This course is clinical and intended to provide the student with hands-on experience in the prevention, treatment, & rehabilitation of athletic injuries under the direct supervision of the Clinical Instructor. The clinical experience will also provide the student with exposure to and practice in athletic training administration and management issues and skills. **Prerequisite:** Senior status and grade of 'A' or 'B' in Athletic Training Practicum IV (KNES 3662).

**KNES 4682** Athletic Training Clinical Rotation VI (2 credit hours)

This course is clinical and intended to provide the student with hands-on experience in the prevention, treatment, & rehabilitation of athletic injuries under the direct supervision of the Clinical Instructor. The clinical experience will also provide the student with exposure to and practice in athletic training administration and management issues and skills. **Prerequisite:** Grade of 'A' or 'B' in Athletic Training Practicum V (KNES 4672).

**KNES 4691** Senior Seminar in Athletic Training (1 credit hour)

**KNES 4693** Biomechanics & Kinesiology (3 credit hours)

A study of articulations and movements, and muscular analysis involved with various sports, exercises, rehabilitative programs and daily activities. **Prerequisite:** Human Anatomy (BIOL 2224), Human Physiology (BIOL 2234), Exercise Physiology (KNES 3633), and General Physics I (MATH 1114).

**KNES 4713** Organization, Leadership & Management of Kinesiology & Sport Management (3 credit hours)

A study of the challenges and problems associated with planning, organizing, scheduling, and marketing programs for Kinesiology & Sport Management. Emphasis will be placed on use, care, and maintenance of indoor and outdoor facilities.

**KNES 4723** Sport Facility Management (3 credit hours)

A study of the challenges and problems associated with the use, care, and maintenance of indoor and outdoor athletic facilities. Special emphasis will be placed on financing new facilities or renovation, retaining revenue generated by the facility, and event management.

**KNES 4741** Senior Seminar in Physical Ed (1 credit hour)

This course is required for the pre-service teacher during the professional semester. Class content will
emphasize teaching strategies, problem-solving techniques, and a pedagogical review of literature supporting the physical education profession. Class discussions will assist in challenging, supporting, and developing inquiry with the pre-service teacher during the professional semester.

KNES 4743  Seminar in Kinesiology & Sport Management (3 credit hours)
Directed intensive study on approved selected topics related to Kinesiology & Sport Management. Conferences, oral and written reports required. **Prerequisite:** Approval of advisor and Kinesiology Department Chair.

KNES 4751-3  Individual Study in Kinesiology & Sport Management (1-3 credit hours)
Directed intensive study on approved selected topics related to Kinesiology & Sport Management. Conferences, oral and written reports required. This course is clinical and intended to provide the student with hands-on experience in the prevention, treatment, and rehabilitation of athletic injuries under the direct supervision of the Clinical Instructor. The clinical experience will also provide the student with exposure to and practice in athletic training administration and management issues and skills. **Prerequisite:** Junior status and grade of “A” or “B” in Athletic Training Practicum II (KNES-2642).

KNES 4766  Internship I (6 credit hours)
A course designed to give the student experience in program planning, management, instruction, and marketing in Kinesiology and Sport Management. The student will be assigned to an agency related to the student’s area of concentration. **Prerequisite:** Senior standing and Kinesiology Department approval. Fee required.

KNES 4776  Internship II (6 credit hours)
Continuation of Internship I. Both courses, Internship I & II, can be taken in the same semesters. **Prerequisite:** Fee required.

KNES 6313  Exercise Physiology (3 credit hours)
A study of the immediate and long-range effects of exercise upon the human body. Emphasis on physiological concepts.

KNES 6323  Athletic Training Techniques (3 credit hours)
This course will introduce the student to advanced sports medical information and provide a basis for injury assessment and field management of athletic injuries. Lecture and laboratory experiences are designed to introduce the student to basic and advanced evaluation skills used by the athletic trainer.

KNES 6333  Applied Exercise Physiology (3 credit hours)
Study of the physiological factors which influence physical performance. Special emphasis on testing, evaluation and prescription for athletic fitness will be presented.

**MATH (MATHEMATICS)**

MATH 1113  Math Concepts: Discrete Math (3 credit hours)
A General Education course designed to enhance the students’ abilities to analyze and solve problems mathematically and to communicate their results in writing. Topics include: Networks, Circuits, Codes and Cryptography. **Prerequisite:** ACT Math score 15-23; 2-3 years HS math including Geometry & Algebra I.

MATH 1123  Math Concepts: Geometry & Topology (3 credit hours)
A General Education course designed to enhance the students’ abilities to analyze and solve problems mathematically and to communicate their results in writing. Topics include: Tilings, Transformations, Polyhedra, and Geometry on 2D Surfaces. **Prerequisite:** ACT Math score 15-23 and 2-3 years HS math including Geometry & Algebra I.

MATH 1133  Math Concepts: Probability & Stat (3 credit hours)
A General Education course designed to enhance the students’ abilities to analyze and solve problems mathematically and to communicate their results in writing. Topics include: Sampling, Descriptive Statistics, Probability, and Statistical Inference. **Prerequisite:** ACT Math score 15-23; 2-3 years HS math including Geometry & Algebra I.

MATH 1143  Math Concepts: Math Structures (3 credit hours)
A General Education course designed to enhance the students’ abilities to analyze and solve problems mathematically and to communicate their results in writing. Topics include: Logic, Numerals, Numeration Systems, Number Theory, Real Number System, and Finite Algebras. **Prerequisite:** ACT Math score 15-23; 2-3 years HS math including Geometry & Algebra I.
MATH 1513  College Algebra (3 credit hours)
A study of linear, quadratic, polynomial, rational, exponential and logarithmic functions preparatory to the calculus. Graphical, numerical, and analytical approaches to functions are used. Prerequisite: ACT Math score 24-30 and 3 years HS math including Geometry, Algebra II, and Advanced Math.

MATH 1613  Plane Trigonometry (3 credit hours)
A study of trigonometric functions through their properties and graphs. Prerequisite: ACT Math score 24-30 and 3 years HS math including Geometry, Algebra II, and Advanced Math.

MATH 1781-3 Projects in Mathematics (1-3 credit hours)
Individual study in topics of particular interest to the general student. May be repeated. Prerequisite: Permission of the instructor.

MATH 2324  Calculus I (4 credit hours)
An intuitive introduction to the basic concepts of Calculus: limits, derivatives, and integrals, using graphical, numerical, and symbolic points of view. Development of the Calculus of algebraic and elementary transcendental functions. Emphasis will be placed on using Calculus in problem solving. Prerequisite: ACT Math score 28+, 4 years HS math including Geometry, Algebra II, and Advanced Math.

MATH 2424  Calculus II (4 credit hours)
A continuation of Calculus I (MATH 2324). A rigorous development of differential and integral Calculus. Advanced topics on limits, continuity, differentials, and integration theory. Applications of derivatives and integrals. Infinite series and functions as power series. Prerequisite: Calculus I (MATH 2324) or one year of high school Calculus with permission of the department.

MATH 2524  Calculus III (4 credit hours)
A continuation of Calculus II (MATH 2424). Vectors in the plane, parametric equations, three-dimensional vectors, solid analytic geometry, differential Calculus of functions of more than one variable with applications to directional derivatives, gradients, line integrals, etc. Multiple integrals in rectangular, polar, cylindrical, and spherical coordinates. Elementary differential equations. Prerequisite: Calculus II (MATH 2424).

MATH 3013  Discrete Mathematical Structures (3 credit hours)
Discrete mathematical structures and their applications. Applications to Computing and Information Sciences are emphasized. Algorithms, modular arithmetic, elementary graph theory, Boolean algebra, logic circuits, and elementary probability theory. Prerequisite: College Algebra (MATH 1513) and Intro. to Computer Science I (CSNE 2443).

MATH 3103  Number Theory (3 credit hours)
An introduction to elementary number theory including divisibility, primes and their distribution, decompositions and base-representations of integers, congruences, Fermat's theorem, multiplicative functions, and famous classes of numbers. Applications to cryptography. Emphasis on students constructing proofs. Prerequisite: Discrete Math Structures (MATH 3013) or Calculus III (MATH 2524).

MATH 3113  Differential Equations (3 credit hours)
Introductory course in ordinary differential equations with numerous applications from the physical sciences and numerical solution of ordinary differential equations. Prerequisite: Calculus II (MATH 2424) and Linear Algebra (MATH 3133).

MATH 3133  Linear Algebra (3 credit hours)
Study of linear algebra with primary emphasis on the theory of matrices with applications to computer analysis. Prerequisite: Calculus II (MATH 2424) or permission of the instructor.

MATH 3143  Probability and Statistics I (3 credit hours)
Study of discrete and continuous random variables and density functions based on their sample spaces. Also an introduction to statistical methods and sampling theory. Prerequisite: Calculus II (MATH 2424) or permission of the instructor.

MATH 3153  Probability and Statistics II (3 credit hours)
A continuation of Probability and Statistics I (MATH 3143) with emphasis on correlation and regression, principles for statistical inference, testing goodness of fit and statistical design in experiments. Prerequisite: Probability & Statistics I (MATH 3143).
MATH 3191  Junior Colloquium in Mathematics (1 credit hour)
Directed readings and written reports in Mathematics and Math Education. Required of all majors in mathematics.

MATH 3213  Introduction to Analysis (3 credit hours)
Advanced study of the properties of real numbers and functions. Includes topics in continuity, sequences and series, integration, and differentiation. Prerequisite: Calculus III (MATH 3164).

MATH 3223  History of Mathematics (3 credit hours)
A survey of the historical development of mathematics. The focus of the course is on the progression of mathematical concepts from their origination to the present. Mathematicians who made significant contributions are highlighted. Prerequisite: Calculus II (MATH 2424).

MATH 4103  Introduction to Modern Algebra (3 credit hours)
Definition of such formal algebraic structures as groups, rings, fields, and vector spaces, with a deduction of some of their theoretical properties. Experience in formal proofs and applications. Prerequisite: Calculus II (MATH 2424) or permission of the instructor.

MATH 4123  College Geometry I (3 credit hours)
Introduction to the foundations of geometry: language of sets, logic, and the axiomatic methods. In particular, an advanced study of the Euclidean geometry of two or more dimensions. Prerequisite: Calculus I (MATH 2324) or permission of the instructor.

MATH 4133  College Geometry II (3 credit hours)
A continuation of College Geometry I. A systematic study of geometric structures other than the Euclidean. Prerequisite: College Geometry I (MATH 4123).

MATH 4153  Complex Variables (3 credit hours)
Study of theory and applications of functions of a complex variable. Includes topics in elementary analytic functions, complex integration, series representations, residue theory, and conformal mapping. Prerequisite: Calculus III (MATH 2524).

MATH 4171  Mathematics Seminar (1 credit hour)
An integration and review of all the courses in mathematics completed or in progress. Required of all majors in mathematics.

MATH 4181-3 Topics in Mathematics (1-3 credit hours)
Advanced study of a specific topic in Mathematics. Suggested areas: Topology, Number Theory, Mathematical Models, or others. May be repeated. Prerequisite: Calculus III (MATH 2524) and permission of the instructor.

MATH 4191  Senior Research in Mathematics (1 credit hour)
In-depth individual study of a selected topic in Mathematics or Math Education.

MBUS (MUSIC BUSINESS)

MBUS 1213  Introduction to Music Business (3 credit hours)
A study of the principles, procedures, structure, and history of the music business as well as career opportunities and technologies within the industry. Business techniques and legal concepts central to many aspects of the music business will be introduced and students will be familiarized with the concepts of contracts, royalties, agents, management, and various aspects of the recording industry. Occasional guest lecturers will be utilized.

MBUS 1312  Live Recording Techniques (2 credit hours)
An introduction to the methods used for live recording. Emphasis on room acoustics, microphones, microphone placement, recording formats, and editing. Students should develop the listening skills used to evaluate potential recorded material.

MBUS 2513  Studio Recording I (3 credit hours)
An introduction to recording studio techniques and procedures with an emphasis on tracking, overdubbing and basic mixing. Topics covered include signal flow, equalization, compression reverb, studio acoustics, session procedures, and the roles of various studio staff.

MBUS 2523  Studio Recording II (3 credit hours)
A continuation of Studio Recording I, with emphasis placed on advanced mixing, mastering, surround sound, and high resolution digital audio formats.
MBUS 2541  Introduction to Production Technology (1 credit hour)
An overview of the technology required for basic productions, geared primarily for the church setting, including sound reinforcement, lighting, and computer generated graphics.

MBUS 3303  History of Recorded Music (3 credit hours)
Exploration of the influence of recording technology and music business practices on the development of modern popular and art music. Special attention will be paid to major developments in the industry since 1877 (Edison’s gramophone).

MBUS 3412  Music Publishing (2 credit hours)
The history, functions, and operations of music publishing, including copyright acquisition, songwriter contracts, performance licensing, mechanical licensing, print publishing and synchronization rights.

MBUS 3432-3 MIDI Production (2-3 credit hours)
A study of the tools and techniques used for producing music with MIDI and digital sequencing software. Computer generated synthesis, external sound modules, and digital samplers will be covered.

MBUS 4241  Capstone Project (1 credit hour)
A senior-level project culminating the student’s experience in the area of music business. To be formulated in conjunction with the School of Music Chair and the appropriate faculty member in Music Business. The project will demonstrate a synthesis of skills and knowledge developed through the core coursework in Music Business. Can be concurrent with enrollment in the final course(s) of the Music Business degree.

MBUS 4381-3 Music Business Internship (1-3 credit hours)

MBUS 4481-3 Directed Study (1-3 credit hours)

MCOM (MASS COMMUNICATION)

MCOM 1213  Design I (3 credit hours)
See ART 1213

MCOM 1223  Design II (3 credit hours)
See ART 1223

MCOM 1311  Introduction to Cultural & Communication Studies (1 credit hour)
See ENGL 1311

MCOM 2313  Newswriting (3 credit hours)
A study of the principles and practices of modern American journalism, especially as they apply to the newspaper. Students practice writing news stories and are provided opportunity to write for the college publications.

MCOM 2323  Survey of Mass Media (3 credit hours)
An overview of American mass media that includes history, issues and trends.

MCOM 2332  Photography (2 credit hours)
See ART 2332

MCOM 2353  Interviewing Techniques (3 credit hours)
A practical course in how to conduct an interview as an interviewer. Basic interviewing skills are emphasized. Emphasis is on learning by doing. Skills learned apply to many settings.

MCOM 2361-3Newspaper Practicum (1-3 credit hours)
The class is made up of the staff of the Echo. Course may be repeated for additional credit.

MCOM 2371-3Yearbook Practicum (1-3 credit hours)
The class is made up of the staff of the Arrow. Course may be repeated for additional credit.

MCOM 2381-3Broadcasting Practicum (1-3 credit hours)
The class is made up of the crew of the campus television studio. Course may be repeated for additional credit.

MCOM 2393  Video Production (3 credit hours)
Practice of planning and executing quality video projects in studio and freelance environments using Final Cut Pro non-linear editing software.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>MCOM 2513</td>
<td>Studio Recording I (3 credit hours)</td>
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<tr>
<td>MCOM 2523</td>
<td>Studio Recording II (3 credit hours)</td>
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<tr>
<td>MCOM 2813</td>
<td>Introduction to Genre Writing (3 credit hours)</td>
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<tr>
<td>MCOM 3143</td>
<td>Technical Communications (3 credit hours)</td>
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<tr>
<td>MCOM 3113</td>
<td>Grant Writing (3 credit hours)</td>
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<tr>
<td>MCOM 3153</td>
<td>Promotional Strategies (3 credit hours)</td>
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<tr>
<td>MCOM 3183</td>
<td>Directed Study (3 credit hours)</td>
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<tr>
<td>MCOM 3313</td>
<td>Magazine Writing (3 credit hours)</td>
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<tr>
<td>MCOM 3353</td>
<td>Advanced Video Production (3 credit hours)</td>
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<tr>
<td>MCOM 3363</td>
<td>Newspaper Editor Practicum (3 credit hours)</td>
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<tr>
<td>MCOM 3372</td>
<td>Yearbook Editor Practicum (2-3 credit hours)</td>
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<tr>
<td>MCOM 3383</td>
<td>Publication Design &amp; Production (3 credit hours)</td>
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<tr>
<td>MCOM 4103</td>
<td>English Grammar II (3 credit hours)</td>
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<tr>
<td>MCOM 4183</td>
<td>Media Law (3 credit hours)</td>
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<tr>
<td>MCOM 4203</td>
<td>Writing for Digital Media (3 credit hours)</td>
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<tr>
<td>MCOM 4213</td>
<td>Media Ethics (3 credit hours)</td>
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<tr>
<td>MCOM 4323</td>
<td>Broadcast News (3 credit hours)</td>
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</tbody>
</table>

*See MBUS 2513 for MCOM 2513*

*See MBSU 2523 for MCOM 2523*

*See C W 2813 for MCOM 2813*

*See ENGL 3143 for MCOM 3143*

*See ENGL 313 for MCOM 3113*

*See MCOM 2293 for MCOM 3353*

*See GDSG 3383 for MCOM 3383*

*See ENGL 4103 for MCOM 4103*

The Media Law course will cover basic legal issues encountered in mass communication. The course will include, but is not limited to, discussion related to freedom of the press, prior restraint, libel, slander, rights of privacy, and freedom of information. Media Law is primarily based on court decisions so cases will be included but will not be the only instructional method.

*See C W 4203 for MCOM 4203*

*See C W 4213 for MCOM 4213*

Immersion in the broadcast news experience. Research, writing, and production of a weekly news program telecast to the Bethany community through cable access. Students will learn the method of linear editing.
MCOM 4343  Public Relation Strategies (3 credit hours)
The theory and practice of public relations will be the focus of this class. Through this course material, the
student will learn the theory behind public relations and then will practice aspects of public relations
through applicable exercises and assignments. Prerequisite: Newswriting (MCOM 2313)

MCOM 4361-3 Special Studies in MCOM (1-3 credit hours)
Treatment of specific problems and trends in the field of mass communication. May be repeated for credit
with different subject matter.

MCOM 4371-2 Cultural/Communication Studies Colloquium (1-2 credit hours)
See ENGL 4931-2

MCOM 4381-3 Internship (1-3 credit hours)
Active work in local media outlets. Department permission required. May be repeated for a maximum of
six hours of credit in major.

M ED (MUSIC EDUCATION)
M ED 2300  Recital Attendance (0 credit hours)
Music majors/minors required to attend designated number of live performances each semester.

M ED 3201  Music Production Workshop (1 credit hour)

M ED 3211  Introduction to Opera (1 credit hour)
An overview of opera throughout history with an emphasis on experiencing the masterpieces of great
composers.

M ED 3222  Vocal Literature and Diction I (2 credit hours)
A study of the International Phonetic Alphabet, with concentration on English and Italian pronunciation,
and combined with a study of solo vocal literature in these languages.

M ED 3231  Vocal Literature and Diction II (1 credit hour)
A study of basic German and French diction with an emphasis on using the International Phonetic
Alphabet as a tool to correctly produce the language sounds, combined with a study of solo vocal literature
in these languages.

M ED 3302  Music History I: Ancient to 1600 (2 credit hours)
A survey of Western art music from its origins in classical Greek culture through the contrapuntal
techniques of the 16th century. Development of awareness of styles and formal procedures through study
of representative composers and works.

M ED 3311  Brass Methods (1 credit hour)
An introduction to the fundamental skills and knowledge of the brass instruments for teaching in the
public schools.

M ED 3321  Percussion Methods (1 credit hour)
An introduction to the fundamental skills and knowledge of the percussion instruments for teaching in the
public school.

M ED 3331  Woodwind Methods (1 credit hour)
An introduction to the fundamental skills and knowledge of the woodwind instruments for teaching in the
public schools.

M ED 3341  String Methods (1 credit hour)
An introduction to the fundamental skills and knowledge of the string instruments for teaching in the
public schools.

M ED 3352  Keyboard Pedagogy (2 credit hours)
A study of teaching techniques for keyboard instruments. Discussion of individual and class instruction
and review of current published teaching methods. Students must enroll concurrently in Keyboard
Literature (M ED 3411).

M ED 3362  Vocal Pedagogy (2 credit hours)
Basic principals in training the vocal instrument including specific physiological information and teaching
techniques. Practical teaching application included by student-taught lessons.
MED 3372  Conducting I (2 credit hours)
Basic principles in conducting technique, interpretation, and elements of expression.

MED 3382  Conducting II (2 credit hours)
The musical scores, rehearsal procedures, concert, competition and festivals. Separate emphasis on Choral and Instrumental.

MED 3391  Fundamentals of Instrumental Method (1 credit hour)
Provides the vocal music education student with a functional knowledge of woodwinds, brass, strings and percussion.

MED 3411  Keyboard Literature (1 credit hour)
A study of major works of significant keyboard composers from 1600 to the present. Students must enroll concurrently in Keyboard Pedagogy (MED 3352).

MED 3442  String Pedagogy (2 credit hours)
A study of teaching techniques for string instruments. Discussion of individual and class instruction and review of historical and current teaching systems and philosophies.

MED 3513  History of American Popular Music (3 credit hours)
The course is designed to allow students to gain knowledge of the roots of popular music and an appreciation for musical concepts. The course seeks to chronicle the beginnings, evolution and styles of our popular American music culture through discussion, listening and research “our normal listening habits. It allows students to become acquainted with the important personalities and important movements of popular American music and to continue the process of becoming critical listeners to all types of music.

MED 4241  Capstone Project (1 credit hour)
A senior level project culminating the student’s experience in the area of music education. To be formulated in conjunction with the School of Music Chairman. The project will demonstrate a synthesis of skills and knowledge developed through the core coursework in Music Education.

MED 4322-3  Music History II: 1600-1825 (2-3 credit hours)
A continuation of MED 3302 with emphasis on the Baroque and Classical eras. Can be taken for three hours of credit with addition of a research paper.

MED 4332-3  Music History III: 1825 to present (2-3 credit hours)
A continuation of MED 4322-3 with emphasis on the Romantic and 20th Century eras continuing to music of the present day. Can be taken for 3 hr. credit with addition of a research paper.

MED 4342  Marching Band Techniques (2 credit hours)
Study of special techniques required for organizing and training marching bands in the public schools. Problems of planning and charting football formations for various sized bands; organizational and rehearsal programs.

MED 4352  Elementary Music Methods (2 credit hours)
Methods for teaching music in the elementary school.

MED 4362  Secondary Music Methods (2 credit hours)
Methods for teaching music in the secondary school.

MED 4481-3  Directed Study (1-3 credit hours)

MED 4965  Student Teaching: Elem (5 credit hours)
A course designed to give the student teacher first-hand experience in the school situation through observation/teaching accredited schools of the surrounding areas. Prerequisite: Senior standing and admission to the Professional Semester. (Liability insurance included in 'Professional Semester' fee).

MED 4995  Student Teaching: Secondary/7-12 (5 credit hours)
A course designed to give the student teacher first-hand experience in the school situation through observation/teaching accredited schools of the surrounding areas. Prerequisite: Senior standing and admission to the Professional Semester. (Liability insurance included in 'Professional Semester' fee).
MENS (MUSIC ENSEMBLE)

MENS 1551 Concert Choir (1 credit hour)
Concert Choir is a non-auditioned group providing opportunities for a variety of university and community functions. It is dedicated to the study and performance of the finest choral literature (sacred and secular) of all musical eras.

MENS 2501 Jazz Band (1 credit hour)
Audition only. Open to trumpet, trombone, saxophone, and rhythm players. The Jazz Band performs literature from the big band era to contemporary jazz. Performs in schools, special events, and travels regionally and internationally. May be repeated. Prerequisite: Permission of Director.

MENS 2511 Symphonic Band (1 credit hour)
Open to all students by audition. Required for wind and percussion majors. Secular and sacred literature from all periods of music are performed in churches, schools, on-campus and special events. Tours regionally and internationally. May be repeated. Prerequisite: Permission of Director.

MENS 2521 SNU Metropolitan/Chamber Orchestra (1 credit hour)
Open to string and wind players by audition; required for string majors. May be repeated. Sacred and secular literature performed in a variety of venues. Performs on campus and in churches across the region. Prerequisite: Permission of Director.

MENS 2531 Brass Choir (1 credit hour)
Open to selected brass players. Audition only. The brass choir performs all types of literature for churches, schools, on-campus and special events. Tours regionally and internationally. May be repeated. Prerequisite: Permission of Director.

MENS 2541 Percussion Ensemble (1 credit hour)
Select ensemble of percussionists who perform on campus, in the community and on the region. Annual audition. Prerequisite: Permission of the instructor.

MENS 2551 Guitar Ensemble (1 credit hour)
Select ensemble of guitarists who perform on campus, in the community and on the region. Annual audition. Prerequisite: Permission of the instructor.

MENS 2561 Choral Society (1 credit hour)
A large choral group that performs major and minor choral works each Fall semester. Required of all voice and keyboard majors; open to any qualified student or member of the University or community. Concurrent enrollment required for students enrolled in other choral ensembles.

MENS 2571 University Ringers (1 credit hour)
Select ensemble of handbell ringers who perform on campus, in the community, and on the region. Prerequisite: Permission of instructor.

MENS 2591 Chamber Ensemble (1 credit hour)
String quartet established by audition. Performance opportunities on and off campus; wide range of repertoire studied in addition to sight reading.

MENS 3511 Symphonic Band (Upper Division) (1 credit hour)
Prerequisite: Four credit hours in Symphonic Band (MENS 2511).

MENS 3521 Choral Society (Upper Division) (1 credit hour)
Prerequisite: two credit hours of Choral Society MENS 2561.

MENS 3531 Opera Workshop (1 credit hour)
Designed for students who wish to receive elective credit for involvement in the cast or technical crew of an SNU musical stage production.

MENS 3561 SNU Chorale (1 credit hour)
SNU’s premier choir, the Chorale is dedicated to the study and performance of the finest choral literature (sacred and secular) of all musical eras. Performances are given for churches and a variety of university and community events. The Chorale tours every Spring, yearly alternating regional and international musical missions tours. Numbering around 45 singers, members are selected by competitive auditions from students across the University.
### MGT (MANAGEMENT)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
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<tbody>
<tr>
<td>MGT 2113</td>
<td>Principles of Management (3 credit hours)</td>
<td>A study of the functions of a business enterprise, the internal structure of a business organization, and the responsibility of executives. Classical, behavioral, and management science schools are considered. Experiential exercise, computer gaming, and contemporary reading are included in course requirements.</td>
</tr>
<tr>
<td>MGT 3123</td>
<td>Human Resource Management (3 credit hours)</td>
<td>This course examines issues typically found in a corporate or institutional human resources function. The course focuses on both internal and external environmental influences which affect the management of human resources and HRM activities such as planning and staffing of the organization, performance evaluation and compensation, training and development, labor relations, and quality of work life.</td>
</tr>
<tr>
<td>MGT 3133</td>
<td>Small Business Management (3 credit hours)</td>
<td>The course is designed to acquaint the student with the opportunities and problems encountered in a small business enterprise. Class sessions are designed on a seminar basis. Managerial functions and processes as related to the small business environment are covered. A pragmatic approach to the real world environment is followed. <strong>Prerequisite:</strong> Principles of Accounting I (ACC 2113).</td>
</tr>
<tr>
<td>MGT 3203</td>
<td>Industrial/Organizational Psych (3 credit hours)</td>
<td>A study of the individual and groups in complex organizations: organizational structure, organizational changes, and the organization in society. The course is concerned with motivation, worker satisfaction, and communication in organizations, personnel relations and other related factors.</td>
</tr>
<tr>
<td>MGT 3413</td>
<td>Organizational Behavior I: Diagnosis &amp; Planned Change (3 credit hours)</td>
<td>This course analyzes the formal and informal functions and problems of organizations. The course also examines the strategies to plan, implement, and manage change in an organization.</td>
</tr>
<tr>
<td>MGT 4113</td>
<td>Management Information Systems (3 credit hours)</td>
<td>This course is concerned with the design of information systems required for management decision making. Problems of communication, information theory, document flow, and internal control are considered. The integration of data into a total information system is the ultimate consideration. The role and use of computers is emphasized.</td>
</tr>
<tr>
<td>MGT 4123</td>
<td>Business Policy (3 credit hours)</td>
<td>Formation and application of management policy; analysis and solution of cases in which students put to use knowledge acquired in such basic business courses on accounting, economics, finance, marketing, and statistics. Management gaming simulation is an integral part of the learning experience. <strong>Prerequisite:</strong> Principles of Accounting I and II (ACC 2113 and 2123), Macroeconomics (ECO 2113), and Principles of Management (MGT 2113).</td>
</tr>
<tr>
<td>MGT 4143</td>
<td>Production &amp; Operations Management (3 credit hours)</td>
<td>A detailed study of manufacturing/operations management. Areas studied include: organizing, product development, production system, and work standards.</td>
</tr>
<tr>
<td>MGT 4153</td>
<td>Practical Problems in Management (3 credit hours)</td>
<td>This course is designed to be taught on an individual basis with a very limited enrollment. Students pursue special problems in business and make an in-depth analysis. The experiential approach to learning is used covering organization, environment technological, psychological, and managerial systems. <strong>Prerequisite:</strong> Principles of Management (MGT 2113), and three other credit hours of Management.</td>
</tr>
<tr>
<td>MGT 4163</td>
<td>Organizational Behavior (3 credit hours)</td>
<td>Course designed for small group interaction and research in behavioral aspects of management and employee relations. Areas studied include: organizational behavior, leadership, organizational environment, social environment, and communication processes.</td>
</tr>
<tr>
<td>MGT 4173</td>
<td>International Management (3 credit hours)</td>
<td>This course is designed to develop insight in the strategies and managing the operations of companies crossing national boundaries; to develop knowledge of economic, political and social perspectives of dealing with transnational organizations; and to create greater comfort in managing in the global environment.</td>
</tr>
<tr>
<td>MGT 4181-3</td>
<td>Internship/Directed Study (1-3 credit hours)</td>
<td>Paraprofessional experience or individual study of problems or reading in business and management. <strong>Prerequisite:</strong> 12 credit hours of business, permission of the instructor, and 3.00 GPA.</td>
</tr>
</tbody>
</table>
MGT 4413-4  Organizational Behavior II/Leadership (3-4 credit hours)
This course examines various theories of management, leadership styles, and motivation theories as applied to the supervision of people in organization. The course includes the study of labor negotiations, performance appraisals, and employee productivity and development.

MISS (MISSIONS)
MISS 1232  Mexican Field Studies (2 credit hours)
A credit course for high school seniors who qualify, this course provides a unique travel-study experience in Mexico during the January interim. It is designed to help the student experience firsthand the culture and environment of a Spanish-speaking country, learn something of the history of Mexico, and advance in personal development toward a broad view of humanity and appreciation for cultures different from our own.

MISS 1380-1  Ministry Intensive (0-1 credit hours)
See PRTH 1381

MISS 2113  Introduction to Christian Missions (3 credit hours)
An introduction to the study of Christian missions. Consideration is given to: 1) the biblical and theological basis of missions; 2) the relation of the missionary to the total Church; 3) the call, personal qualifications and selection of missionary personnel; 4) the nature and objectives of missionary work.

MISS 2133  Nazarene Missions (3 credit hours)
A survey of the missionary activity of the Church of the Nazarene since its inception, including current programs and policies of the denomination regarding world evangelization.

MISS 2243  Modern Missionary Movement (3 credit hours)
A survey of the modern missionary movement from its inception with William Carey in the late 18th century to the present. Emphasis will be given to major personalities and organizations in the movement.

MISS 2253  Missions Strategies (3 credit hours)
The role of various methods in missions as they contribute to evangelism. The purpose and relationships of such methods as agricultural, economic development, educational, literature, medical, and radio missions are explored.

MISS 3053  International Economic Development (3 credit hours)
See ECO 3053

MISS 3113  Perspectives on World Christian Movement (3 credit hours)
A multi-faceted study of the biblical, historical, cultural and strategic dimensions of the task of world evangelization.

MISS 3181-3  Ministry Experience (1-3 credit hours)
See PRTH 3181-3

MISS 3231-3  Mexican Field Studies (1-3 credit hours)
A unique travel-study experience in Mexico. It is designed to help the student experience first-hand the culture and environment of a Spanish-speaking country, learn something of the history of Mexico and advance in personal development toward a broader view of humanity and appreciation for cultures.

MISS 3380-1  Ministry Intensive (0-1 credit hours)
See PRTH 3380-1

MISS 4113  International Relations (3 credit hours)
* See HP 4113. *This course is approved for graduate level credit in Theology and Ministry, with additional reading and research. Prerequisite: Junior standing or American Federal Government (HP 1113).

MISS 4123  Modern East Asia (3 credit hours)
* See HP 4123. *This course is approved for graduate level credit in Theology and Ministry, with additional reading and research. Prerequisite: Sophomore standing or American Federal Government (HP 1113).

MISS 4133  Church Growth & Christian Mission (3 credit hours)
* A study of the principles of church growth and church planting with special attention to the theological, sociological, and cultural aspects which may affect the rate and patterns of church expansion. *This course is approved for graduate level credit, with additional reading and research.
MISS 4163  Theology of Christian Missions (3 credit hours)
* A Study of the underlying principles and theological presuppositions of the Christian mission in relation to other cultures and non-Christian religions. *This course is approved for graduate level credit, with additional reading and research.

MISS 4183  Cultural Anthropology (3 credit hours)
* A cross-cultural approach to a study of race, culture, and society which provides understanding toward effective communication of the gospel. *This course is approved for graduate level credit in Theology and Ministry, with additional reading and research.

MISS 4213  Communication in Conflict Mgt (3 credit hours)
* See SP C 4213. *This course is approved for graduate level credit in Theology and Ministry, with additional reading and research.

MISS 4223  Mission Topics (3 credit hours)
* Selected topics related to missions such as Culture and Evangelism, Linguistics, Area Studies and Issues in Missiology. The course is taught subject to interest and specialization of the Garner Chair of Missions professor. *This course is approved for graduate level credit, with additional reading and research.

MISS 4233  Intercultural Communication (3 credit hours)
* An introduction to the communication, which takes place when people of different cultures interact. This course surveys differences in cultures, which can create obstacles to understanding and communication and offers suggestions for dealing with these obstacles. *This course is approved for graduate level credit in Theology and Ministry, with additional reading and research. **Prerequisite:** junior standing.

MISS 4273  The English Language: History and Linguistics (3 credit hours)
* See ENGL 4283. *This course is approved for graduate level credit in Theology and Ministry, with additional reading and research.

MISS 4281-3  Directed Study in Missions (1-3 credit hours)
*This course is approved for graduate level credit, with additional reading and research.

MISS 4333  World’s Living Religions (3 credit hours)
* A study of the major religions of the world and its literature, with special emphasis on the religions of the Orient and the Near East. *This course is approved for graduate level credit, with additional reading and research. **Prerequisite:** junior standing.

MISS 4380-3  Ministry Intensive (0-3 credit hours)
See PRTH 4380-3

**MKT (MARKETING)**

MKT 2113  Principles of Marketing (3 credit hours)
A study of marketing mix elements, trends, and the competitive social, economic, technological and regulatory influences which affect these factors.

MKT 3123  Professional Sales (3 credit hours)
A study of the principles and application of the sales process, techniques and sales management.

MKT 3133  Retailing (3 credit hours)
A study of the fundamentals of retailing including retail organization, store location, design, and layout, purchasing, personal selling, operating activities, personnel, merchandising policies, inventory control systems, and opportunities.

MKT 3153  Promotional Strategies (3 credit hours)
An introductory course in promotions which involves analysis of promotional mix alternatives, introduction to each element, and focus on integrating the elements into a cohesive integrated marketing communication plan.

MKT 3163  Consumer Behavior (3 credit hours)
Developing an understanding of the marketing function and applying it to the consumer decision-making process. An explanation of the consumer buying process, the psychological, social, economic, and global influences affecting consumer choices.
### MKT 3173  Marketing for Managers (3 credit hours)
The focus of this course is understanding the elements that comprise an effective marketing campaign. From the Four P's to International Marketing issues, this course will assist the student in understanding the role of marketing in the overall success of an organization.

### MKT 4133  Supply Chain Management (3 credit hours)
The study of supply chain practices and principles (i.e., the fundamentals of purchasing and logistics management). The dynamic nature of supply chain management for products and services is studied and the impact of the global influences and the environmental factors on supply chain management. **Prerequisite:** Principles of Marketing (MKT 2113).

### MKT 4163  International Marketing (3 credit hours)
A focus on the global economic environment and its impact upon the marketing discipline. Emphasis is placed upon dealing with risks inherent in operating across international boundaries.

### MKT 4173  Strategic Marketing (3 credit hours)
An applied marketing course examining the impact of marketing activities on organizational operations and strategic decision making. Marketing problems are explored and analyzed from conceptual, international, legal and ethical perspectives. **Prerequisite:** Principles of Marketing (MKT 2113).

### MKT 4181-3  Internship/Directed Study (1-3 credit hours)
Paraprofessional experience or individual study of problems or reading in marketing. **Prerequisite:** 12 credit hours of business, permission of instructor, and 3.0 G.P.A.

### MKT 4193  Marketing Research (3 credit hours)
Review and analysis of information for marketing decision-making. Emphasis on hands-on marketing research including questionnaire design, administration, analyzing results, and reporting findings. **Prerequisite:** Principles of Marketing (MKT 2113).

### M TH (MUSIC THEORY)

#### M TH 1322  Survey of Music (2 credit hours)
Designed to introduce various musical components to freshman music majors and minors. Included in the course are discussions about music careers, practice habits, the impact of music on our lives, and the integration of music with faith. The class also contains a listening component, study of historical facts and music periods, and study of musical form.

#### M TH 1332  Fundamentals of Music (2 credit hours)
Stresses written theory and provides a gradual introduction to aural skill development. It includes the study of foundational musical elements such as rhythm, intervals, triads, key signatures, primary chord structures and basic harmonic analysis. Students will be tested upon entry to the School of Music with the possibility of waiving this course. Meets 3 days per week. Concurrent enrollment in Survey of Music required.

#### M TH 1342  Harmony I (2 credit hours)
Introduces part-writing skills, secondary chords, seventh chords, secondary dominants, modulation, analysis of scores, and musical composition. Concurrent enrollment in Aural Theory I required.

#### M TH 1352  Aural Theory I (2 credit hours)
Applies the study and appreciation of basic music theory to listening and analysis. Experiences include melodic and harmonic dictation and sight singing. Concurrent enrollment in Harmony I required.

#### M TH 2322  Harmony II (2 credit hours)
Continues the concepts covered in Harmony I and introduces altered chords and macroanalysis. Concurrent enrollment in Aural Theory II required.

#### M TH 2332  Harmony III (2 credit hours)
Extends the study of altered chords and introduces 20th century theory. Concurrent enrollment in Aural Theory III required.

#### M TH 2342  Aural Theory II (2 credit hours)
Continues the concepts covered in Aural Theory I. Concurrent enrollment in Harmony II required.
M TH 2352  **Aural Theory III (2 credit hours)**
Advances melodic, rhythmic and harmonic dictation and sight singing through the study of chord progressions, modulations, and seventh chords. Concurrent enrollment in Harmony III required.

M TH 2541  **Intro to Production Technology (1 credit hours)**
An overview of the technology required for basic productions, geared primarily for the church setting, including sound reinforcement, lighting, and computer generated graphics.

M TH 3431-2  **Music Technology (1-2 credit hours)**
The study of electronics in music through use of computers and synthesizer. Emphasis on midi technology. Special project required for a second credit hour.

M TH 4241  **Capstone Project (3 credit hours)**
A senior level project culminating the student’s experience in the area of music theory. The project should be formulated in conjunction with the chair of the School of Music. The project will demonstrate a synthesis of skills and knowledge developed through the core coursework in music theory.

M TH 4413  **Counterpoint (3 credit hours)**
Melodic treatment in two, three, and four part writing, using the principles as set forth in 18th century style.

M TH 4423  **Music Analysis (3 credit hours)**
Analysis of primary forms, rondo, sonatina, sonata-allegro, and irregular forms.

M TH 4432  **Orchestration (2 credit hours)**
Practical introduction of the instruments of the orchestra, including range, transposition, tonal colors, and combination of instruments, arranging music for strings, woodwind, brass, and percussion.

M TH 4442  **Arranging (2 credit hours)**
Choral and/or Instrumental music arranging. The writing and arranging of choir and/or instrumental music to meet the needs of many types of performing groups.

M TH 4481-3  **Directed Study (1-3 credit hours)**

**N S (NATURAL SCIENCE)**

N S 1123  **Introduction to Astronomy (3 credit hours)**
An introduction to the models and nomenclature of modern astronomy with emphasis on conceptual as well as mathematical comprehension. The history of astronomy and its impact on thought and culture, the description of the instruments and techniques of modern astronomy, and the interpretation of information gained by such is emphasized. The history and composition of our solar system, the evolution of stars and other stellar objects, the formation and structure of galaxies, and the probable origin of the universe itself are described through theories of modern physics and cosmology. Laboratory work includes observations with departmental telescopes.

N S 1143  **Earth and Sky (3 credit hours)**
A hands-on, integrated and multi-disciplinary survey of selected topics in chemistry, astronomy, physics and geology. Instruction features about two-dozen experiments that can be performed with everyday items. Experiments are tied to a "story line" and a set of concepts that relates them to fundamental principles of physical science. The course also includes some discussion of the values, methods, limitations, applications and philosophy of science.

N S 1213  **Physical Geography (3 credit hours)**
See HP 1213

N S 2213  **Earth's Natural Disasters (3 credit hours)**
See HP 2213

N S 2413  **Geomorphology (3 credit hours)**
See HP 2413

N S 3043  **Science, Technology, & Society (3 credit hours)**
Examines the influence of science and its applications through technology on individual lives, on society, and on how we view ourselves in the universe. **Prerequisite:** Junior standing or completion of at least 15 General Education credit hours. Intro to Philosophy and Christian Thought recommended.
N S 3114  General Geology (4 credit hours)
A course designed to introduce students to the fundamentals of earth science including landform
development, as seen in internal and surface processes, the identification of rocks and minerals and an
examination of earth's resources such as soil, minerals, and energy.

N S 3121  Animal Welfare and Lab Safety (1 credit hour)
A multi-discipline course required for science education majors for dealing with practical ethical, safety
and legal issues in the science classroom. One 50 minute class/lab period per week.

N S 3193  Origins (3 credit hours)
See BIOL 3193

NURS (NURSING)

NURS 1311  Introduction to Nursing (1 credit hour)
A course to acquaint the student with the development of nursing from its beginning to the present. Major
contributors and their contributions to nursing are discussed. Focus is on beginning socialization into
nursing. Students are introduced to the major concepts in the Philosophy of the School of Nursing.
Concepts basic to nursing are introduced.

NURS 1411  Core Concepts in Nursing (1 credit hour)
The focus of this course is on core concepts of professional nursing. The focus is on skills and resources
necessary for success in nursing school, as well as trends in nursing. Students are introduced to the
philosophy of the School of Nursing and the Oklahoma Nursing Practice Act.

NURS 2102  Pharmacology (2 credit hours)
Pharmacological concepts related to the classifications of medications as well as the nursing implications
for administering the medications will be discussed. Dosage calculations for all forms of medications will
be utilized.

NURS 2323  Nutrition (3 credit hours)
The principles of basic nutrition and specific nutrients will be discussed. Life cycle nutrition with varied
needs will be addressed. Disease states with emphasis on nutrition concerns will be introduced.

NURS 2404  Health Assessment (4 credit hours)
A theoretical basis for holistic health assessment of well and ill individuals across the lifespan is presented.
Instruction and practice in taking comprehensive histories and performing system and region-specific
physical examinations are provided, and findings are documented, analyzed, and interpreted as they are
relevant to the practice of nursing at the baccalaureate level.

NURS 2436  Foundations of Nursing (6 credit hours)
Concepts basic to nursing are introduced. The nursing process is utilized in caring for individuals and
families experiencing wellness-illness. Utilization of theory-based interventions is emphasized through
clinical practice.

NURS 3333  Community Health Nursing (3 credit hours)
Concepts related to issues in caring for community, state, national and international populations are
discussed. Emphasis is placed on the role of the nurse to promote wellness within populations. Community
agencies and international opportunities are utilized for clinical practice.

NURS 3354  Mental Health Nursing (4 credit hours)
Focuses on the holistic understanding of physical, intellectual, emotional, spiritual and social aspects of life
that impact the mental health of individuals, families and communities.

NURS 3416  Adult Nursing I (6 credit hours)
Building upon concepts presented in prerequisite courses, the nursing process, critical thinking and
current research are applied in caring for adults with increasingly complex disturbances of health in the
following systems: integumentary, eye/ear, reproductive, musculoskeletal, endocrine, gastrointestinal and
urinary. Nursing care focuses on enabling individuals and their families to achieve the highest possible
level of wellness.

NURS 3423  Gerontologic Nursing (3 credit hours)
The spiritual, intellectual, physical, emotional and social needs of the older client are examined. Emphasis
is placed on the physiologic changes associated with aging, the adaptation to these changes and common
health care problems confronted by the aging adult. Specific emphasis is given to the nursing interventions necessary for this population. A variety of inpatient and outpatient clinical experiences are provided.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>NURS 4325</td>
<td>Maternal-Child Nursing (5 credit hours)</td>
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<tr>
<td>NURS 4342</td>
<td>Nursing Research (2 credit hours)</td>
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<tr>
<td>NURS 4364</td>
<td>Nursing Leadership (4 credit hours)</td>
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<tr>
<td>NURS 4372</td>
<td>Professional Trends and Issues (2 credit hours)</td>
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<tr>
<td>NURS 4415</td>
<td>Adult Nursing II (5 credit hours)</td>
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<tr>
<td>NURS 4434</td>
<td>Adult Nursing III (4 credit hours)</td>
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<tr>
<td>NURS 4801</td>
<td>Nursing Seminar (1 credit hour)</td>
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<tr>
<td>NURS 4903</td>
<td>Health Assessment &amp; Promotion Across Lifespan (3 credit hours)</td>
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<tr>
<td>NURS 4913</td>
<td>Community Health Nursing: Family &amp; Local Environment (3 credit hours)</td>
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<tr>
<td>NURS 4923</td>
<td>Nursing Research (3 credit hours)</td>
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<tr>
<td>NURS 4933</td>
<td>Gerontologic &amp; Disability Care (3 credit hours)</td>
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</table>
NURS 4934  Gerontologic, Chronic Disease & Disabilities (4 credit hours)
The focus of the course is best practices in gerontologic and chronic disease nursing care. Also, care of
individuals with various disabilities living in a variety of settings is examined. Clinical time will be spent
where geriatric and chronic disease patients are seen. In addition, visits will be made to community
settings where individuals living with disabilities reside. Theory and clinical components.

NURS 4945  Community Nursing (5 credit hours)
This course provides the comprehensive knowledge base for health assessment skills in performing
system and region-specific examinations of infants, children, adults, and older adults. Documentation and
interpretation of findings is discussed along with health promotion opportunities in the following areas:
nutrition, activity/exercise, sleep/rest, medication/substance use, self-care responsibilities, social and
occupational activities, family relationships, stress levels/coping styles and environment. The role of
nursing in promoting health in the local community, state, national, and international arenas is studied.
The nursing process is utilized in studying a community and a national health-related agency. Epidemiolo-
gy and population needs are identified and the use of these in planning healthcare programs is explored. A
clinical portion of this course will emphasize working with large groups of persons with a multicultural
background. Theory and clinical components.

NURS 4953  Leadership (3 credit hours)
This course will focus on the concepts of leadership and management as they relate to nursing practice,
nursing service, and the delivery of health care. Opportunity to apply the concepts is the focus of the
clinical component. Organization and role theories will be analyzed. Theory and clinical components.

NURS 4955  Nursing Leadership (5 credit hours)
This course focuses on the concepts of leadership and management as they relate to nursing practice,
nursing service, and the delivery of health care. Organization and role theories will be analyzed, as well as
examining general principles of economics at work in the American system. The application, implications
and ethical ramifications of these principles for the American healthcare system are also discussed.
Opportunity to apply the concepts is the focus of the clinical component. Theory and clinical components.

NURS 4963  Professional & Bioethics in Nursing (3 credit hours)
Growing and thriving as a professional nurse in a dynamic and changing health care field is examined.
Considered are the role of theories in nursing as a basis for practice, bioethics, the political and legal areas
and issues that concern the nursing profession now and in the future.

NURS 4964  Bioethical & Legal Issues in Nursing (4 credit hours)
Growing and thriving as a professional nurse in a dynamic and changing health care field is examined.
Considered are the roles of theories in nursing as a basis for practice, bioethics, the political and legal
areas and issues that concern the nursing profession now and in the future.

PEG (PHYSICAL EDUCATION GENERAL)
PEG 1002  Health and Wellness (2 credit hours)
The purpose of this course is to critically examine wellness concepts within the context of a spiritual
(distinctively Christian) dimension. From this perspective, students will be encouraged to adopt attitudes
and make behavioral choices that support a lifestyle of healthy stewardship. Course content will be
presented through lectures, laboratory experiences, critical thinking discussions, and classroom led
exercise activities.

PEG 1011  Cardio Fit I (1 credit hour)
A course designed to develop and maintain aerobic fitness through vigorous exercise workouts using
music to create an atmosphere of motivation and fun. Related topics covered are: Fitness Assessments,
Personal Training Strategies, Body Composition, Nutrition and Diet. Emphasis on low impact.

PEG 1021  Aerobic Circuit Exercise I (1 credit hour)
A course designed to develop and maintain aerobic fitness through vigorous exercise workouts using
various exercise modes of training. Exercise may include walking/jogging, rope jumping, calisthenics,
stretching, light weight lifting, and specific exercises for each individual.

PEG 1031  Aqua Cardio Fit I (1 credit hour)
Instruction and techniques involving development of muscular strength, endurance, stamina, flexibility,
agility, and development of aerobic fitness through water exercises.
PEG 1041  **Beginning Swimming (1 credit hour)**
Basic instruction of beginning strokes and skills. Additional skills: surface dives, turns, underwater swimming, and lifesaving assists. Lap swimming for aerobic fitness is emphasized.

PEG 1051  **Weight Training I (1 credit hour)**
Instruction in weight training techniques for developing strength and endurance with emphasis on correct techniques for proper lifting and spotting, beginning overload, progression, maintenance, frequency, duration and rest, proper warm-up and cool down procedures. The relationship between strength training and heath/wellness related benefits is emphasized.

PEG 1061  **Karate I (1 credit hour)**
Instruction in basic techniques and skills for self-defense. Course includes the history and traditions of the martial arts as they evolved into self-defense. The relationship between self-defense and health/wellness related benefits is emphasized.

PEG 1071  **Tennis I (1 credit hour)**
Instructions in basic tennis skill, rules, etiquette, history, strategies for singles, doubles, and mixed doubles. Includes demonstration, match play experience, and class tournament play.

PEG 1081  **Badminton I (1 credit hour)**
Instruction in basic badminton skills, rules, history, terminology, etiquette, and playing strategies for singles, doubles, and mixed doubles.

PEG 1091  **Sport Conditioning I (1 credit hour)**
The relationship between specific sports and health/wellness is evaluated. A conditioning program will be prescribed by the coach. The health/wellness components will be reevaluated at the end of the course. Student must be a member of a varsity sport at SNU.

PEG 1101  **Personal Fitness I (1 credit hour)**
Taught by a personal trainer, this course enables the student to assess their fitness level, design a fitness program and maintain optimal fitness level. The instructor will supervise and advise in the development of a personal training program.

PEG 1221  **Golf I (1 credit hour)**
Fundamental instruction for inexperienced and beginning golfers including true theory, mechanics, and basic fundamentals of golf, rules, etiquette, and use of irons and woods.

PEG 1231  **Volleyball I (1 credit hour)**
Beginning skills, strategy, rules, and game experience in volleyball.

PEG 1241  **Backpacking I (1 credit hour)**
Instruction in basic wilderness backpacking including equipment, food preparation, cooking, walking the trails, route finding, backpacking essentials, trail and camping ethics. Recent innovations in backpacking gear and clothing will be covered. Three day backpacking trip required as part of the course.

PEG 1251  **Sailing I (1 credit hour)**
Instructions and practice in learning to sail a lateen sail boat safely. Includes emphasis on reading the wind, points of sailing, right-of-way rules, and learning to sail a triangular course, equipment care, safety, and rigging and unrigging.

PEG 1271  **Basketball I (1 credit hour)**
Fundamental instruction for the beginner and experienced basketball player. Student will cover the basic fundamentals to increase skill level.

PEG 1281  **Floor Hockey I (1 credit hour)**
Fundamental instruction for the beginner and experienced hockey player. Student will cover the basic fundamentals to increase skill level.

PEG 1291  **Indoor Soccer I (1 credit hour)**
Fundamental instruction for the beginner and experienced soccer player. Student will cover the basic fundamentals to increase skill level.

PEG 1301  **Elementary Horsemanship I (1 credit hour)**
Instruction in basic Western riding techniques in an arena and trail setting, care and management procedures, with emphasis placed on safety for both the rider and the horse. Basic vocabulary and
fundamentals of horsemanship will be stressed. Riding labs will provide opportunity for hands on proficiency to learn the basic riding maneuvers.

PEG 1311  Elementary Horsemanship II (1 credit hour)
This course is designed to include an introductory academic view of horsemanship emphasizing horse training, selection, and care/maintenance. The fieldwork will provide actual hands-on practical experience of the academic area emphasized. Overall goal is to enable the student to gain knowledge concerning buying, owning, and caring for a horse. Emphasis will be placed on improving the student's ability to ride and handle a horse.

PEG 1321  Intermediate Physical Activity I (1 credit hour)
A continuation of any PEG activity course. **Prerequisite:** PEG I & II (1091/2091) of the same activity course and permission of instructor.

PEG 1331  Advanced Physical Activity I (1 credit hour)
A continuation of any PEG activity course. **Prerequisite:** PEG I & II (1321/2321) of the same activity course and permission of instructor.

PEG 1341  Canoe/Kayak (1 credit hour)
Taught by USA Canoe & Kayak and American Canoe Association Instructors, this course enables the student to participate in variety of canoe and kayak disciplines, including: recreational, competitive sprint, whitewater, and Dragon Boating. The instructor will supervise and instruct the following topics: boat & gear selection, safety issues, stroke technique, training & race strategies, and “Eskimo roll” techniques. Students will be given access to boats at the Route 66 Boathouse during the 10 week session. Lab Fee $50.00.

PEG 1411  Bowling I (1 credit hour)
Fundamental skills of bowling including stance, approach, delivery, aiming, and follow through. Practice in etiquette, scoring terminology, and some forms of competition.

PEG 1421  Racquetball I (1 credit hour)
Instruction in fundamental skills including proper stroke techniques, safety, court position, rules history, strategies for singles, doubles, and mixed doubles.

PEG 1431  Ice Skating I (1 credit hour)
Fundamental instruction for inexperienced and beginning ice skaters. Instruction will include history, mechanics, and techniques in the various forms of ice skating.

PEG 1441  Lifesaving (1 credit hour)
Instruction in American Red Cross life saving techniques. A review of the nine styles of swimming. **Prerequisite:** Ability to swim one-quarter mile using front crawl, side and breaststroke, ability to perform front dive, surface dive, tread water, and swim underwater.

PEG 1452  Scuba Diving (2 credit hours)
Upon successful completion of the course and exams, the student will receive Open Water certification through PADI (Professional Association of Dive Instructors). The course includes classroom and pool instruction as well as open water dives. Fee $150.00.

PEG 1461  Walking I (1 credit hour)
A course designed to develop and maintain aerobic fitness through walking. Related topics covered are: Biomechanical Analysis, Fitness Assessments, Personal Training Strategies, Body Composition, Nutrition and Diet. Fee Required.

PEG 1471  Target/Field Archery I (1 credit hour)
Instructions in fundamentals, rules, safety, history, essential tackle, and language of Target and Field Archery. Target Archery first eight weeks indoors; Field Archery second eight weeks outdoors on a seven target outdoor range of distances from 10 to 60 yards.

PEG 1481  Geocaching/Orienteering (1 credit hour)
Geocaching is a high-tech terrestrial geographical treasure hunting game played throughout the world by adventure seekers equipped with GPS devices. The basic idea is to locate hidden containers, called geocaches, outdoors and then share your experiences online. Geocaching incorporates navigational skills, basic GPS coordinates, compasses and mapwork in order to find and locate distinguished points of interest.
PEG 1491 Mat Pilates I (1 credit hour)
PEG 1491 Mat Pilates, taught by a personal trainer, enables the student to improve their fitness levels using mat pilates exercises to achieve gains in flexibility and strength. The instructor will supervise the development of personal fitness through the planning of specific exercise routines.

PEG 2011 Cardio Fit II (1 credit hour)
Continuation of instruction in aerobic exercise principles, techniques and practices. Student is encouraged to explore a variety of movements for developing and maintaining the highest fitness level possible.

PEG 2021 Aerobic Circuit Exercise II (1 credit hour)
Continuation of instruction in aerobic exercise principles, techniques and practices. Student is encouraged to explore a variety of movements for developing and maintaining the highest fitness level possible.

PEG 2031 Aqua Cardio Fit II (1 credit hour)
Continuation of Water Exercise I. Emphasis on improving student aerobic fitness and endurance status. Water jogging and innovative water exercise techniques will be stressed.

PEG 2041 Water Exercise- Lap Swimming (1 credit hour)
Continuation of Beginning Swimming. Emphasis on improving student aerobic fitness and endurance status through lap swimming.

PEG 2051 Weight Training II (1 credit hour)
Continuation of Weight Training I. Greater emphasis placed on circuit training and aerobic endurance.

PEG 2061 Karate II (1 credit hour)
Continuation of Karate I. Intermediate techniques and skills for self-defense will be introduced. Belt ranking will be available for those students completing this course.

PEG 2071 Tennis II (1 credit hour)
Stroke improvement, stroke and game analysis, game strategy, match challenges, and tournament play. Review of tennis rules, history, and etiquette.

PEG 2081 Badminton II (1 credit hour)
Advanced skills and strategy in singles, doubles and mixed doubles play. Knowledge and application of rules, etiquette, and tournament play.

PEG 2091 Sport Conditioning II (1 credit hour)
Continuation of Sport Cond. I. Student must be member of a varsity sport at SNU.

PEG 2101 Personal Fitness II (1 credit hour)
A continuation of instruction of personal fitness with emphasis placed on cross training to enhance exercise compliance.

PEG 2221 Golf II (1 credit hour)
Continuation of instruction and participation in golf strokes, strategies, skills, and etiquette. Student will experience stroke practice, games, and matches at nearby ranges and courses.

PEG 2231 Volleyball II (1 credit hour)
Advanced skills, strategy, plays, defense, and team play. Review of rules. Knowledge and application of officiating techniques.

PEG 2241 Backpacking II (1 credit hour)
Continuation of instruction in basic wilderness backpacking including equipment, food preparation, cooking, walking the trails, route finding, backpacking essentials, trail and camping ethics. Recent innovations in backpacking gear and clothing will be covered. Three day backpacking trip required as part of the course.

PEG 2251 Sailing II (1 credit hour)
Continuation of Sailing I. Study of advanced sailing techniques, sail open waters on Lake Hefner, and sail the triangular course. Opportunity to assist students in Sailing I.

PEG 2271 Basketball II (1 credit hour)
Continuation of instruction and participation of the game of basketball. Student will continue to cover the basic fundamentals to increase skill level.
**PEG 2281**  
**Floor Hockey II (1 credit hour)**  
Continuation of instruction and participation of the game of hockey. Student will continue to cover the basic fundamentals to increase skill level.

**PEG 2291**  
**Indoor Soccer II (1 credit hour)**  
Continuation of instruction and participation of the game of soccer. Student will continue to cover the basic fundamentals to increase skill level.

**PEG 2321**  
**Intermediate Physical Activity II (1 credit hour)**  
A continuation of any PEG activity course. **Prerequisite:** Intermediate Physical Activity I (PEG 1321) of the same activity course and permission of instructor.

**PEG 2331**  
**Advanced Physical Activity II (1 credit hour)**  
A continuation of any PEG activity course. **Prerequisite:** Advanced Physical Activity I (PEG 1331) of the same activity course and permission of instructor.

**PEG 2341**  
**Canoe/Kayak (1 credit hour)**  
A continuation of instruction of canoe and kayak with emphasis placed on a specific sport.

**PEG 2391**  
**Mat Pilates II (1 credit hour)**  
This course is a continuation of instruction to enable the student to improve his/her fitness level by using mat pilates exercises to achieve gains in flexibility and strength.

**PEG 2411**  
**Bowling II (1 credit hour)**  
Continuation of Bowling I. League play and advanced forms of competition.

**PEG 2421**  
**Racquetball II (1 credit hour)**  
Advanced skills and strategy in singles, doubles, and mixed doubles match play. Knowledge and application of rules, etiquette, and tournament play.

**PEG 2431**  
**Ice Skating II (1 credit hour)**  
Continuation of Ice Skating I. Intermediate techniques will be taught and practiced. Students will be required to combine techniques learned into a three to five minute performance.

**PEG 2441**  
**Water Safety Instruction (1 credit hour)**  
Lecture, demonstration, and practice in nine styles of swimming, diving, life saving skills, as well as skill and knowledge in class organization and management, and teaching techniques. Must hold a current American Red Cross Lifesaving Certificate. **Prerequisite:** Swimming skills.

**PEG 2461**  
**Walking II (1 credit hour)**  
Continuation of Walking I. Speed walking will be introduced.

**PEG 2471**  
**Target/Field Archery II (1 credit hour)**  
Continuation of instruction and practice to become more proficient in Target/Field Archery. Target Archery first eight weeks indoors; Field Archery second eight weeks outdoors on a seven-target outdoor range of distances from 10 to 60 yards.

**PHIL (PHILOSOPHY)**

**PHIL 2013**  
**Introduction to Philosophy (3 hours)**  
A course designed to get students to "do" philosophy by considering relevant issues and problems in the human pursuit of a rational understanding of the cosmos. **Prerequisite:** Composition II (ENGL 1213) or one freshman semester completed. Modern World (HP 1533) recommended.

**PHIL 3003**  
**Special Studies in Philosophy (3 hours)**  
General Studies Elective course in special topics.

**PHIL 3103**  
**History of Ancient & Medieval Phil (3 hours)**  
A historical survey and analysis of the emerging and persistent problems of philosophy beginning with the Pre-Socratics, Plato and Aristotle, and concluding with St. Augustine, St. Thomas and other medieval thinkers.

**PHIL 3113**  
**History of Modern Philosophy (3 hours)**  
A survey and study of the central, enduring problems of philosophy as reflected by thinkers of the Renaissance, Continental Rationalism, British Empiricism, Kantian Transcendentalism, Hegelian Absolutism, Idealism, and early Existentialism.
PHIL 3123  Logic (3 hours)
An explication of the processes of inductive and deductive logic. There is emphasis on terms, propositions, syllogistic and inferential procedures, fallacies, propaganda, and the methods of scientific inquiry. Modern symbolic logic is also introduced.

PHIL 3181-3  Readings in Philosophy (1-3 credit hours)
Study in approved subjects and literature in the field of philosophy is permitted. The procedure represents an intense interest and diligent research on the part of the student guided by the instructor with regular weekly class sessions. Junior standing required. Prerequisite: one philosophy class and one science class.

PHIL 3193  Special Topics in Philosophy (3 hours)

PHIL 3223  Ethics (3 hours)
A course which extends the centuries-old debate about "How does one determine the morality of any action?" and, "How can one resolve ethical dilemmas?" Prerequisite: sophomore standing.

PHIL 3233  ISM: Ethics (3 hours)
This ISM extends the centuries-old debate about "How does one determine the morality of any action?” and “How can one resolve ethical dilemmas?” This course is structured as a guide to helping students develop and clarify their personal value systems and is intended to open minds and inform.

PHIL 4003  Special Studies in Philosophy (3 hours)
General Studies Elective course in special topics.

PHIL 4113  Developments in Contemporary Phil (3 hours)
* The main problems of Pragmatism, Neorealism, Logical Positivism, Phenomenology, Existentialism and Analytic Philosophy are carefully surveyed and analyzed. *This course is approved for graduate level credit, with additional reading and research.

PHIL 4123  Philosophy of Religion (3 hours)
* Attention is given to the meaning of religion, the relation of faith and reason, the nature and validity of religious experience, the arguments for the existence of God, the nature of good and evil, the knowledge of God and the theories of religious language. *This course is approved for graduate level credit, with additional reading and research.

PHIL 4181-3  Directed Study (1-3 credit hours)
PHIL 4192-3  Seminar in Philosophy (2-3 credit hours)
* An advanced course designed to deal intensively with a topic of current philosophical significance. The content varies so that credit may be obtained in successive semesters. A wide variety of subjects makes the course attractive to students of all fields, and by permission of the instructor special students may be admitted to the class even though not of advanced standing. *This course is approved for graduate level credit, with additional reading and research.

PHIL 4273  The English Language: History and Linguistics (3 hours)
See ENGL 4283

PHIL 4333  World’s Living Religions (3 hours)
* A study of the major religions of the world and its literature, with special emphasis on the religions of the Orient. *This course is approved for graduate level credit, with additional reading and research. Prerequisite: junior standing.

PHYS (PHYSICS)

PHYS 1011  Careers in Physics & Applied Physics (1 credit hour)
Surveys the range of careers made accessible with the Bachelor's degree in physics. Such careers include but are not limited to physics, engineering, medicine, education, biological physics, technical law, geophysics, applied mathematics, and actuarial science. Comparison of the scope, professional culture, and problem-solving approaches of various professions. Overview of the history of physics, and research topics of current interest. Introduction to undergraduate and advanced degree programs, professional societies, research environments, peer review, publications, the international physics community, relationships between physics-related professions and the larger society. Course activities include guest lectures and interviews with alumni and other professionals.
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
<th>Prerequisite</th>
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<tbody>
<tr>
<td>PHYS 1114</td>
<td>General Physics I (4 credit hours)</td>
<td>A trigonometry-based survey of physics, including kinematics and Newtonian dynamics, gravitation, wave motion, and optics. Three lectures and one lab session per week. Prerequisite: Trigonometry (MATH 1613) or high school equivalent.</td>
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<tr>
<td>PHYS 1123</td>
<td>Introduction to Astronomy (3 credit hours)</td>
<td>See GS 1123</td>
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<tr>
<td>PHYS 1214</td>
<td>General Physics II (4 credit hours)</td>
<td>Continuation of Physics 1114, including electricity and magnetism, thermodynamics, and topics in atomic and nuclear physics. Three lectures and one lab session per week. Prerequisite: General Physics I (PHYS 1114).</td>
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<tr>
<td>PHYS 2114</td>
<td>General Physics for Scientists and Engineers I (4 credit hours)</td>
<td>A calculus-based survey of physics, including kinematics and Newtonian dynamics, gravitation, harmonic motion, waves and superposition, interference and diffraction, geometrical optics. Three lecture periods and one lab session per week. The lab is used to introduce concepts as much as possible; lecture is devoted to explicit instruction in the art of mathematical modeling. Prerequisite: Calculus I (MATH 2324) or high school equivalent.</td>
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<tr>
<td>PHYS 2214</td>
<td>General Physics for Scientists and Engineers II (4 credit hours)</td>
<td>A continuation of Physics 2114, emphasizing electromagnetism, including Maxwell’s equations, radiation produced by an accelerated point charge, waves in the electromagnetic field. Introduction to special relativity, deBroglie waves, atomic spectra, the Bohr model of the hydrogen atom, and the nucleus. Three lecture periods and one lab session per week. Prerequisite: General Physics for Scientists &amp; Engineers I (PHYS 2114).</td>
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<tr>
<td>PHYS 2313</td>
<td>Introduction to Atomic &amp; Nuclear Physics (3 credit hours)</td>
<td>An introduction to physics paradigms developed in the 20th century, including the special theory of relativity; wave-particle duality; elementary quantum mechanics including the Bohr atom and applications of the Schrodinger equation in one dimension; Rutherford scattering and atomic structure; nuclear structure and reactions. Orbitals in chemical bonding, energy gaps in semiconductors, population inversions and lasers. Statistical mechanics, electron microscopes, and scanning tunneling microscopes as windows into the atom. Applied nuclear physics includes MRI and PET scans in medical physics, nuclear reactors and weapons. Introduction to elementary particle physics, cosmology, and the very early universe. Incoming freshmen Physics Department advisees, and students majoring in other fields, are encouraged to enroll. Prerequisite: College Algebra (MATH 1513) and High School Physics.</td>
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<tr>
<td>PHYS 3113</td>
<td>Astronomical Basis of Life on Earth (3 credit hours)</td>
<td>Examines the connections between astronomical realities and the conditions necessary for life on a planet. Begins with elementary connections such as the day/night biological cycles, moves on to less elementary ones, such as: mean interstellar distances and the probability of stellar collisions; the &quot;life zone&quot; of a star; stellar lifetimes and element synthesis; astronomical planet-building processes; the role of tidal forces in the history of life. The course will feature astronomy lectures and hikes during the day, and astronomical observations at night. For example, a discussion of stellar energy production is followed by a hike through the forest of the Talamanca Mountains to see how diverse tropical species use solar radiation; studies of cratering features a visit to the Arenal Volcano to examine craters made by projectile bombardment. These and other examples offer a unique interdisciplinary study in astronomy, biology, and geology. Spring Break, with pre- and post-trip meetings and assignments. Prerequisite: College Algebra (MATH 1513).</td>
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<tr>
<td>PHYS 3173</td>
<td>Waves and Optics (3 credit hours)</td>
<td>An in-depth study of waves in general. Acoustic and electromagnetic waves; phonons and photons. Maxwell’s equations and waves in the electromagnetic field. The linear wave equation and its stationary states; superposition and interference; polarization. Fourier series and transforms; propagator theory and dispersion. Fraunhofer and Fresnel diffraction; geometrical optics; lasers and holography; topics in nonlinear optics. Prerequisite: General Physics for Scientists &amp; Engineers II (PHYS 2214) and Calculus III (MATH 3164).</td>
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<tr>
<td>PHYS 3191-3</td>
<td>Selected Topics in Physics (1-3 credit hours)</td>
<td>Introduction to a selected topic, such as: Astrophysics, Biological Physics, Philosophy of Science; Nuclear Reactors and Weapons; Elementary Particle Physics; Musical Acoustics; Relativity; Fluid Mechanics; and other topics on demand. Offered except when General Relativity (PHYS 4311-2) is offered. May be</td>
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repeated. **Prerequisite:** General Physics for Scientists & Engineers II (PHYS 2214) or permission of the instructor.

**PHYS 3213  Quantum Mechanics I (3 credit hours)**  
Introduction to quantum theory, including crucial anomalies from Newtonian physics and fundamental postulates of the quantum paradigm; wave functions and superposition; operators, commutation relations, and their interpretations for measurement; position and momentum space; Fourier transforms. The Schrödinger equation; its stationary states and eigenfunctions; approximation methods, especially perturbation theory. Central potentials and the hydrogenic atom. **Prerequisite:** General Physics for Scientists & Engineers (PHYS 2214) and Calculus III (MATH 3164).

**PHYS 3223  Quantum Mechanics II (3 credit hours)**  
A continuation of Quantum Mechanics I. Angular momentum, spin, and Clebsch-Gordon addition of angular momentum; multi-electron atoms and the periodic table. Perturbation theory applied to atomic physics such as atoms in external fields and the spin-orbit interaction. Quantum statistics for indistinguishable particles. Introduction to relativistic electron theory via hypercomplex numbers and the Dirac equation. **Prerequisite:** Quantum Mechanics I (PHYS 3213).

**PHYS 4114  Phys Chem, Heat & Thermodynamics (4 credit hours)**  
A systematic treatment of classical thermodynamics with an emphasis on the application of the first and second laws to chemical and physical changes. Applications are made to chemical equilibrium, electrochemical cells, and other spontaneous processes. Three lectures and one laboratory per week. **Prerequisite:** General Physics II (PHYS 1214) and Calculus II (MATH 2424).

**PHYS 4123  Electricity & Magnetism I (3 credit hours)**  
The theory of electrostatic and magnetostatic fields in vacuum, including the Coulomb and Biot-Savart fields, the theorems of Gauss and Stokes, scalar and vector potentials, multipole expansions, and solutions of Poisson's and Laplace's equations via Green's functions and expansions in terms of orthogonal functions. Time-dependent electric and magnetic fields, Maxwell's equations, gauge invariance, Poynting's theorem, conservation of energy and momentum. Solutions and applications of Maxwell's equations include wave equations and their plane-wave solutions, polarization, and the fields produced by accelerating charges, especially electric and magnetic dipole sources. **Prerequisite:** PHYS General Physics for Scientists & Engineers II (PHYS 2214) and Calculus III (MATH 3164).

**PHYS 4133  Classical Mechanics I (3 credit hours)**  
Comprehensive survey of the principles of classical mechanics, including Newtonian dynamics and conservation laws; oscillations; central force motion; the calculus of variations; Lagrangian and Hamiltonian formalisms, Noether's Theorem relating invariances to conservation laws. **Prerequisite:** General Physics for Scientists & Engineers II (PHYS 2214) and Calculus III (MATH 3164).

**PHYS 4143  Classical Mechanics II (3 credit hours)**  
Continuation of Classical Mechanics I. Hamilton-Jacobi theory; rigid body dynamics and the inertia tensor; motion in non-inertial reference frames; coupled oscillations and waves; fluid mechanics through the Navier-Stokes equation. **Prerequisite:** Classical Mechanics I (PHYS 4133).

**PHYS 4151  Advanced Physics Laboratory (1 credit hour)**  
Advanced experiments selected from mechanics, electromagnetism, optics, atomic physics, or nuclear physics. The student will repeat selected "classic" physics experiments, and may design and execute experiments related to original research. May be repeated. **Prerequisite:** 10 credit hours of Physics.

**PHYS 4181-3  Directed Research (1-3 credit hours)**  
An independent research project, theoretical or experimental. Results of the research will be presented by the student at a regional or national physics conference. **Prerequisite:** General Physics for Scientists & Engineers II (PHYS 2214).

**PHYS 4213  Statistical Mechanics (3 credit hours)**  
Relates macroscopic thermodynamic observables to the structure of atoms and molecules. The macroscopic view is developed through thermodynamics and its applications, the microscopic view through Hamilton's equations and phase space. The macro-micro connection is realized through the partition function and the statistical interpretation of entropy through Boltzmann's H theorem. From microscopic models, thermodynamic observables and equations of state are calculated from the partition function. Identical particles and Bose-Einstein and Fermi-Dirac statistics are discussed, including applications such as blackbody radiation and Bose-Einstein condensation. **Prerequisite:** General Physics for Scientists & Engineers (PHYS 2214) and Calculus III (MATH 3164).
PHYS 4223  **Electricity and Magnetism II (3 credit hours)**
A continuation of Electricity and Magnetism I. Electric and magnetic fields in matter; conductors and waveguides; scattering; multipole radiation fields; synchrotron radiation; special relativity and covariant electrodynamics. **Prerequisite:** Electricity and Magnetism I (PHYS 4123).

PHYS 4311-2  **General Relativity (1-2 credit hours)**
A rigorous introduction to Einstein's General Theory of Relativity. Review of Special Relativity and Minkowski Spacetime; the metric tensor; covariant and contravariant tensors; the affine connection and covariant derivatives; the Principle of Equivalence, Principle of General Covariance; the Riemann and Ricci curvature tensors; Einstein's field equations. Applications to gravitational red shift; deflection of starlight by the Sun, precession of perihelion, the Schwarzschild metric, cosmology. With the second credit hour, we also examine gravity waves, Kerr metrics, stellar collapse and black holes. Spring semester, alternate years. May substitute for PHYS 3191-2 (Selected Topics in Physics). **Prerequisite:** General Physics for Scientists & Engineers II (PHYS 2214) and Calculus III (MATH 2524).

PRTH (PRACTICAL THEOLOGY)

PRTH 1113  **Introduction to Ministry (3 credit hours)**
A THEOLOGY & MINISTRY SCHOOL CORE REQUIREMENT. An introduction to the theology of the church and ministry with selected readings and discussion of the integrity between one's view of ministry and one's preparation for ministry. Understanding and using the resources for spiritual formation as preparation for ministry will be cultivated. Required of all students majoring in Theology & Ministry and Christian Education.

PRTH 3023  **Ministry, Church, & Society (3 credit hours)**
The preparation of active, purposeful lay leaders in the local church. Specific topics for study will include the theology of the church, spiritual leadership, the concept of ministry, servanthood, self-assessment skills and tools, churchmanship, stewardship of personal resources, devotional life development, volunteerism, avenues of ministry, and models for future church ministry. **Prerequisite:** Junior OR 15 or more Gen. Ed. foundations credit hours passed.

PRTH 3113  **Fundamentals of Preaching (3 credit hours)**
A study of the principles of sermon construction. Attention is given to the various types of sermon outlines and methods of delivery. Assigned readings and lectures will precede clinical opportunity for preaching.

PRTH 3153  **Ministry in a Multi-Cultural Context (3 credit hours)**
An investigation into the principles and methods necessary for teaching children, youth, and adults in the multi-cultural context. Special attention will be given to developing strategies for cross-cultural Christian education visioneering, programming, and implementation.

PRTH 3223  **Survey of Worship (3 credit hours)**
See CM 3223

PRTH 3323  **Evangelism & Church Renewal (3 credit hours)**
The history, place and methodologies of evangelism are studied in the context of the local church. The strategies of both evangelism and renewal in giving vitality to the church are stressed. **Prerequisite:** Junior Standing.

PRTH 4003  **Special Studies (3 credit hours)**

PRTH 4103  **Expository Preaching (3 credit hours)**
* An advanced course in Biblical preaching with a definite emphasis on expository homiletics. *This course is approved for graduate level credit, with additional reading and research. **Prerequisite:** Senior Standing, Fundamentals of Preaching (PRTH 3113), 9 credit hours of Biblical Literature, and New Testament Greek (GK 2113), or permission of the instructor.

PRTH 4113  **Psychology of Religion (3 credit hours)**
* An interpersonal approach to the study of religious experience and behavior. The course is primarily concerned with normal Christian religious experience. Such topics as conviction, conversion, sanctification, prayer, guilt, devotion, and religious development will be explored. The relationship between religious life and mental health will be examined and contemporary approaches to counseling and therapy will be presented. *This course is approved for graduate level credit, with additional reading and research. **Prerequisite:** Familiarity with the basic vocabularies of theology and psychology, Psychology of Personality (PSY 4153) recommended.
PRTH 4133  Church Growth & Christian Mission (3 credit hours)
* A study of the principles of church growth and church planting with special attention to the theological, sociological and cultural aspects which may affect the rate and patterns of church expansion. *This course is approved for graduate level credit, with additional reading and research.

PRTH 4143  Pastoral Care & Counseling (3 credit hours)
* A study of the place of pastoral counseling in the Christian ministry. Personality problems and counseling processes are surveyed. Emphasis is placed on developing counseling techniques and a study of the types of counseling used in the ministry. *This course is approved for graduate level credit, with additional reading and research. Prerequisite: One course in psychology or permission of the professor. Junior Standing.

PRTH 4163  Pastoral Leadership & Team Building (3 credit hours)
* This course provides a detailed study of organizational leadership skills, spiritual leadership, followership, dynamics of group interaction, types of groups, problem solving, conflict resolution, as well as in-class application of these principles. *This course is approved for graduate level credit, with additional reading and research. Prerequisite: Junior Standing.

PRTH 4181-3 Ministry Experience (1-3 credit hours)
* Active work in a ministry setting under supervision, along with classroom study directed towards reflection upon and understanding of the actual ministry situations and experiences. May be repeated for up to three hours credit. *This course is approved for graduate level credit, with additional reading and research.

PRTH 4380-3 Ministry Intensive (0-3 credit hours)
Work in a supervised ministry setting in connection with the SNU Ministry Internship Scholarship Program. The student is directed towards reflection upon and understanding of the actual ministry situations and experiences of the Internship program.

PSY (PSYCHOLOGY)

PSY 1113  General Psychology I (3 credit hours)
As the first of a two-semester survey sequence, this course provides a study of the philosophical and historical background of psychology, its predominant methodologies, and an overview of psychology’s sub-fields, including stress management, psychological disorders, health psychology, social psychology, psychology of personality, and developmental psychology.

PSY 1121  Careers in Psychology (1 credit hour)
The course is designed as an overview of the field of psychology. There are two foci of the course. One is exploring psychology as a career option. The other is practical considerations in furthering one’s career in psychology beyond the level of an undergraduate major. Prerequisite: General Psychology I/II (PSY 1113/1213) or concurrent enrollment.

PSY 1131  General Psychology Laboratory (1 credit hour)
One primary focus of the laboratory experience is introduction to methodology and measurement in psychology. Research design and practice will be an aspect of this introduction. This will be partially realized through peer-mentoring utilizing students enrolled in Research Design and Senior Thesis. Another primary focus of the laboratory course is an introduction to and practice in using the Publication Manual of the American Psychological Association (APA). The laboratory experience is required concurrently with General Psychology for majors in the psychology department but is optional for others in the course. This course is designed for concurrent enrollment in General Psychology; nevertheless, those who have previously completed a general psychology course would qualify to enroll.

PSY 1213  General Psychology II (3 credit hours)
As the second of a two-semester survey sequence, this course provides a study of the basic concepts in the areas of sensation/perception, learning/memory, motivation, thinking/language/intelligence, states of consciousness, and biological considerations of behavior.

PSY 2102  Self-Concept Development (2 credit hours)
A course designed to assist students in developing a wholesome self-concept and understanding their role in society. Specific assistance will be given to the student in establishing positive self-identity, self-orientation and self-direction.
PSY 2173  Psychology of Children & Youth (3 credit hours)
A study of physical, cognitive, moral, and social development of the individual from conception through adolescence. Emphasis is placed on understanding the relationships between and importance of these processes in facilitating development in the context of schools, as well as other professional areas and future parental lifestyles.

PSY 2352 Interviewing Techniques (2-3 credit hours)
A practical course in how to conduct an interview as an interviewer. Basic interviewing skills are emphasized. Emphasis is on learning by doing. Skills learned apply to many settings.

PSY 3013 Contemporary Social Issues (3 credit hours)
An examination of critically important and compelling social and personal issues for Christians in the development of thoughtful, informed Christian understandings and responses. Emphasis on factors influencing individual moral development and religious belief; the impact of print and electronic media in shaping cultural norms, societal roles, and views of the self; the biblical mandate for justice as raised by topics related to politics, economy, and the law; the role of family, society, and culture in affecting responses to race, gender, ethnicity; and the processes by which an individual's development and surrounding culture influence fundamental assumptions, beliefs, and ways of thinking. Prerequisite: Junior OR 15 or more Gen. Ed. Foundations credit hours passed. Introduction to Philosophy and Christian Thought recommended.

PSY 3113 Social Psychology (3 credit hours)
A study of the nature of the social structures which man has developed and their influences on the functioning of human individuals and groups. Prerequisite: General Psychology (PSY 1113) or Introduction to Sociology (SOC 1113).

PSY 3133 Human Development (3 credit hours)
A course designed to study the human organism of the entire life span, rather than one stratified area. Specific emphasis is given to the interrelatedness of early, middle and later life, and the dynamic influences of environment, genetics, psychosocial and personal experiences. Special areas such as death and dying are included.

PSY 3153 Research Design (3 credit hours)
The purpose of the course is to address the research process from design of a study through a publishable product. Familiarity with the concepts of conducting research, with various research designs, and conformity to the written style requirements of the American Psychological Association are also included. Prerequisite: General Psychology (PSY 1113) and Statistical Methods (STAT 3143).

PSY 3161 Senior Thesis (1 credit hour)
A continuation of an individual research project planned in Research Design (PSY 3153). Enrollment is contingent upon the completion of Research Design (PSY 3153) in the previous semester. If Research Design is taken to fulfill a degree requirement, this course must be taken to complete that requirement.

PSY 3174 Physiological Psychology (4 credit hours)
Physiological processes involved in the execution of behavior are examined. Various levels of explanation are employed, ranging from molecular and cellular involvement in movement and sensation to physiological correlates of learning, emotion, and perception. A laboratory experience is included. Prerequisite: General Psychology II (PSY 1213) or permission of instructor.

PSY 3183 Psychological Testing (3 credit hours)
The course is an introductory course in psychometrics. The course is designed to acquaint the student with a wide range of psychological tests, including training in administering and scoring and the more commonly used tests of intelligence, personality and aptitudes. Prerequisite: Statistical Methods (STAT 3143).

PSY 3193 Learning & Cognition (3 credit hours)
The course is an introduction to the research and theories in learning and cognition. Basic types of learning and the variables which influence the learning and cognitive processes will be included. In the learning component, the focus will be on instrumental and operant conditioning and issues growing from these basic types of learning. In the cognitive component topics covered will be information processing, memory, language, comprehension, and thought. Prerequisite: General Psychology I or II (PSY 1113/1213) or permission of instructor.
PSY 3203  Industrial/Organizational Psych (3 credit hours)
A study of the individual and groups in complex organizations: organizational structure, organizational changes, and the organization in society. The course is concerned with motivation, worker satisfaction, and communication in organizations, personnel relations and other related factors.

PSY 3333  Cultural Psychology (3 credit hours)
Cultural Psychology is a junior level course which immerses the student in literature, theology, research, and experience of the other. Cultures instill values and beliefs, common ways of thinking and behaving, which shape the way members view themselves and others. Although culture shapes common understanding in people groups, individual differences between group members may be as diverse as differences between a member of that group and any other group. This course requires the student to explore his/her own culture, examine similarities between his/her experiences and knowledge obtained about his/her culture, and apply this, within the specific worldview shaped by his/her faith and culture, to direct experience with others. Students will be able to demonstrate thorough knowledge of cultural identity development, facets of individual and group identity, cohesion, and change over time caused by contact with others, conflict, and adaptation. Prerequisites: Junior status; open to Honors students only.

PSY 3412-3  Personal & Professional Development (2-3 credit hours)
This course examines adult learning theory and various learning styles. This course provides a model that is used to analyze life experience.

PSY 3421  Prior Learning & Portfolio Development (1 credit hour)
This course is designed for adult students who are enrolled in the RN/BSN or FSG Programs. Experiential and adult learning theories are applied to analyzing prior learning experiences. The student is required to prepare a personal portfolio of prior learning experiences. The course also provides instruction in the process for evaluation and the possible awarding of credit for prior learning.

PSY 3423  Introduction to Counseling (3 credit hours)
This course combines the relevant principles and techniques of counseling and is designed to develop counseling competency.

PSY 3433  Death and Dying (3 credit hours)
The course will identify modern concepts of death in contemporary society and available coping alternatives. It attempts to serve as a catalyst in helping students identify interpersonal concepts of death and dying as social issues.

PSY 4103  Abnormal Psychology (3 credit hours)
A presentation of the biological, psychological, and sociological factors which are correlated with maladaptive behavior. Prerequisite: General Psychology I (PSY 1113) or permission of instructor.

PSY 4113  Psychology of Religion (3 credit hours)
An interpersonal approach to the study of religious experience and behavior. The course is primarily concerned with normal Christian religious experience. Such topics as conviction, conversion, sanctification, prayer, guilt, devotion, and religious development will be explored. The relationship between religious life and mental health will be examined and contemporary approaches to counseling and therapy will be presented. Prerequisite: Familiarity with the basic vocabularies of theology and psychology.

PSY 4142  Survey of the Exceptional Child (2 credit hours)
A general introductory course designed to acquaint the student with all the various types of exceptionality in children. Emphasis is placed on an understanding of the psychological characteristics and the educational needs of the exceptional child. Prerequisite: Two courses in psychology.

PSY 4153  Psychology of Personality (3 credit hours)
A study of the nature, development, assessment and adjustment of personality. Points of view representing the various systems of psychology will be presented, with emphasis upon Christian interpretations. Prerequisite: General Psychology (PSY 1113) and one other course in psychology or philosophy.

PSY 4213  Principles of Counseling (3 credit hours)
An introduction to major approaches to counseling related to the problems for which they are best suited and to the personality theory and the assumptions about man on which they are based. Prerequisite: General Psychology I or II (PSY 1113 or 1213) or permission of instructor.
PSY 4263  Techniques of Counseling (3 credit hours)
Designed to develop competencies in using major counseling theories in assisting counselees to deal with a wide range of personal, interpersonal and vocational problems. Emphasis is also given to assist prospective counselors develop self-understanding and to understand how this can influence success as a member of a helping profession. **Prerequisite:** Principles of Counseling (PSY 4213).

PSY 4273  History & Systems of Psychology (3 credit hours)
A survey of developments and trends in general psychology, with emphasis on research methods and theoretical issues. An attempt is made to provide an overview of psychology as an ongoing scientific discipline. **Prerequisite:** General Psychology (PSY 1113). Research Design (PSY 3153) recommended.

PSY 4371-4  Special Studies in Psychology (1-4 credit hours)
The content of this course is varied and offered on an irregular schedule, based on student demand. It is offered in a classroom format rather than on an individual, arranged schedule.

PSY 4381-3  Directed Study (1-3 credit hours)
Designed to permit intensive study by psychology majors and minors in areas of special interest. May be either readings and reports, or first-hand investigation. The work will be done with individual guidance of the instructor. **Prerequisite:** Permission of the instructor.

PSY 4391-3  Practicum in Psychology (1-3 credit hours)
Active work in a community setting, under supervision. May be taken by permission of the Department Chair only. Usually involves two consecutive semesters. May be repeated for credit.

PSY 4433  Adulthood and Aging (3 credit hours)
This course provides a study of development from young adulthood through later life. An introduction to the field of gerontology is also given.

PSY 4492  Senior Colloquium in Psychology (2 credit hours)
A capstone course to integrate the academic program in psychology, and in general education with an emphasis on examining the interface between the discipline and essential Christian beliefs and practices. Required of senior majors in psychology.

PSY 4522  Assessment and Wellness (2 credit hours)
This course examines the techniques for assessing the physical, mental, social, and emotional status of the adult in later life. Emphasis will be given to the development of appropriate methods for optimizing the functioning of the aging individual.

**QERC (QERC)**

QERC 3105  Tropical Ecology and Sustainability (5 credit hours)
Ecology is the study of relationships between organisms and their environment. A study of ecology in a biological hotspot like Costa Rica is an act of sampling type of organisms and focusing on how they live and interact with other environmental elements. The approach taken in this course is to bring together students and expert faculty guides to explore tropical ecology in the Costa Rican context. Expert faculty guides will rotate into the QERC community and lead students in the study of particular ecological elements as defined by their own specialization. Students will also observe the interactions of humans, as an organism in the environment, and examine the ways humans construct relationships with the environment that foster varying degrees of sustainability. Topics may include botany, microbial biology, ornithology, herpetology, stream biology, invertebrate biology, conservation, etc.

QERC 3182  Environmental Monitoring (2 credit hours)
Environmental monitoring is the act of measuring changes in the quality of the environment in order to guide decisions of policy or activity, and in order to detect improvements as a result of actions taken or degradation as a result of human activity. In this course students will participate in ongoing environmental monitoring studies in the San Gerardo area conducted by QERC. QERC monitors elements of local weather, water quality, plant succession, aquatic invertebrates, quetzal nesting, Lauraceae phenology, and human/livestock populations. Students will rotate through a program in which they will have opportunity to learn appropriate monitoring methodology and collect data and record it in the environmental database maintained by QERC.

QERC 3263  Biblical Theology & Global Stewardship (3 credit hours)
The intent of this course will be to discern what the Bible and Christian Theology articulate about the nature of the world and the place of Human Persons in the world. Specific attention will be given to texts in...
the Bible and to dimensions of God’s sovereignty. The "rule" and "role" of humans persons in creation will be discerned with special attention to issues of agrarian practices, land economies, and sabbath principles. A variety of resources will be used to discern how to be good stewards of creation in response to modern day concerns and dilemmas in various habitats, ecological situations, and in the politics and economic practices of governments as human persons address the contemporary situation. As an extension of the theological issues, the course will attempt to faithfully, critically and intentionally integrate the relation with the natural sciences as experts, resources (print & media), and lectures are available.

QERC 3333 Applied Cultural Int: Hispanic Area (3 credit hours)
Applied Culture Integration gives students necessary tools and opportunities to integrate meaningfully into a culture that is different from their own. This course engages the students in participating in Latin American culture while simultaneously examining political, social, environmental, religious and related issues through the eyes of Latin America. It also challenges students to integrate their studies, experiences and observations into a Christian worldview.

QERC 4003 Tropical Field Research (3 credit hours)
This course is designed to engage the student in the processes of planning, proposing, completing, and presenting a scientific research project. The research process is an integral experience in teaching science students how to implement the scientific method in order to answer a specific research question. By practicing the scientific method, students will gain an understanding of the research process and then be able to present their findings to the local community and to fellow students and research scientists in a conference type setting.

QERC 4122 Tropical Medicine (2 credit hours)
This course introduces students to the most important bacterial, viral, parasitic, and mycotic pathogens in the tropics and to clinical features of the associated diseases. The course will focus on diseases not ordinarily covered in depth in a microbiology course, such as cholera, tuberculosis, leprosy, arboviral infections, and hemorrhagic fevers, among others. Topics covered will include geographic distribution, etiology, transmission, pathogenesis, clinical features of relevant diseases, immunologic considerations, diagnosis, treatment, control and the social determinants of health. The class will also focus on the Costa Rican health system and the social determinants of health. Moreover, human behavior associated with the transmission of infection and of local perceptions of the disease will be included.

REL (RELIGION)
REL 3413 Biblical Perspectives-Western Culture (3 credit hours)
This course reflects the mission statement and the goals of Southern Nazarene University. It is committed to fostering increased awareness of the Bible which is foundational to understanding Western culture and history. The three major western faiths-Judaism, Christianity, and Islam-are rooted within the Holy Scriptures. The course content and format are not designated to intimidate, indoctrinate, or to evangelize. The course is designed to set the Bible in its historical and literary context. The Biblical heritage will then provide the student with rich resources to creatively understand his/her faith in the contemporary world.

SNM (NETWORK MANAGEMENT)
SNM 2713 Network Technologies (3 credit hours)
See CSNE 2713

SNM 3413 Windows Networking I (3 credit hours)
See CSNE 3413

SNM 3673 Network Administration I (3 credit hours)
See CSNE 3673

SNM 3683 Network Administration II (3 credit hours)
See CSNE 3683

SNM 3753 Design & Implementation (3 credit hours)
This course teaches the skills needed to create an NDS design and implementation strategy. Students will complete an NDS design strategy and implementation schedule using templates that they can re-use to create a design for their workplaces. Students will then use these strategies and schedules to complete a NetWare implementation in a hands-on environment. **Prerequisite:** Network Administration I and II (SNM 3673/3683).
SNM 3813  Windows Networking II (3 credit hours)
See CSNE 3813

SNM 3913  Routers & Switches I (3 credit hours)
See CSNE 3913

SNM 3923  Routers & Switches II (3 credit hours)
See CSNE 3923

SNM 4103  Network Service and Support (3 credit hours)
This course focuses on the prevention, diagnosis, and resolution of hardware-related problems network professionals encounter while working with the network. Though the course focuses on hardware issues in relation to NetWare, students learn practical skills in this course that will help them optimize hardware resources for networking products. The course shows students how to solve “real world” hardware problems, and includes extensive hands-on exercises. Prerequisite: Network Administration I and II (SNM 3673/3683) or permission with experience.

SNM 4113  Windows Networking III (3 credit hours)
See CSNE 4113

SNM 4123  Windows Networking IV (3 credit hours)
See CSNE 4123

SNM 4124  Windows Networking IV (4 credit hours)
See CSNE 4124

SNM 4181-3  Networking Seminar (1 credit hour)
See CSNE 4181-3

SNM 4213  Windows Networking V (3 credit hours)
See CSNE 4213

SNM 4233  Security I (3 credit hours)
See CSNE 4233

SNM 4333  Security II (3 credit hours)
See CSNE 4333

SOC (SOCILOGY)

SOC 1113  Introduction to Sociology (3 credit hours)
A general survey of the field and issues in sociology.

SOC 1123  Introduction to Criminal Justice (3 credit hours)
An overview of the components of the U.S. criminal justice system - police, courts, corrections, probation and parole - with a general survey of current problems, trends and cross-cultural comparison. Prerequisite: Introduction to Sociology (SOC 1113)

SOC 2113  Social Problems (3 credit hours)
A systematic analysis of some of the significant social problems of our world today, emphasizing the contributions which social science can make toward the understanding of these problems. Prerequisite: Introduction to Sociology (SOC 1113)

SOC 2133  Introduction to Corrections (3 credit hours)
A survey of U.S. corrections systems with cross cultural comparison. History, current approaches, issues and employment opportunities are discussed. Prerequisite: Introduction to Sociology (SOC 1113)

SOC 2153  Sociology of the Family (3 credit hours)
A study of the origin, development, functions, and problems of a basic social institution of our culture, the family. The effect of modern social and economic conditions on contemporary family life are reviewed. Prerequisite: Introduction to Sociology (SOC 1113)

SOC 2243  Aging & Gerontology (3 credit hours)
A study of the developmental stages which are typical of the later years of life. Emphasis is on the dynamics of the family and the implications involved with aging family members in building meaningful and rewarding relationships. Prerequisite: Introduction to Sociology (SOC 1113)
SOC 3003  Special Studies in Sociology (3 credit hours)
General Studies Elective course in special topics. **Prerequisite:** Introduction to Sociology (SOC 1113)

SOC 3013  Contemporary Social Issues (3 credit hours)
An examination of critically important and compelling social and personal issues for Christians in the development of thoughtful, informed Christian understandings and responses. Emphasis on factors influencing individual moral development and religious belief; the impact of print and electronic media in shaping cultural norms, societal roles, and views of the self; the biblical mandate for justice as raised by topics related to politics, economy, and the law; the role of family, society, and culture in affecting responses to race, gender, ethnicity; and the processes by which an individual's development and surrounding culture influence fundamental assumptions, beliefs, and ways of thinking. **Prerequisite:** Introduction to Sociology (SOC 1113)/Junior or 15 or more Gen. Ed. Foundations credit hours passed/Introduction to Philosophy (PHIL 2013) and Introduction to Christian Thought (THEO 2233) recommended.

SOC 3103  Race and Ethnicity (3 credit hours)
An analytical consideration of the ethnic issues of the United States including African Americans, Jewish, Mexican, Indian, Japanese, Chinese and European immigrants. **Prerequisite:** Introduction to Sociology (SOC 1113) Permission to waive SOC 1113 may be granted by instructor.

SOC 3113  Social Psychology (3 credit hours)
A study of the nature of the social structures which man has developed and their influences on the functioning of human individuals and groups. **Prerequisite:** General Psychology (PSY 1113) or Introduction to Sociology (SOC 1113).

SOC 3123  Contemporary Sports: Psychological/Social Perspectives (3 credit hours)
Survey course dealing with sports known to various social groups and countries; brief glimpses into foreign approaches to games, sports, physical education, etc.; prepare students to discuss current sport picture in modern world to include all major countries. **Prerequisite:** Introduction to Sociology (SOC 1113)

SOC 3153  Urban Sociology (3 credit hours)
The study of urbanization as a social process. Consideration will be given to urban structure and various social institutions. The course also deals with selected urban topics such as housing, finance, planning, and the urban poor. **Prerequisite:** Introduction to Sociology (SOC 1113)

SOC 3163  Introduction to Social Work (3 credit hours)
A survey of the profession and field of social work. The course also focuses on basic knowledge, values, and skills needed by the beginning social worker. **Prerequisite:** Introduction to Sociology (SOC 1113)

SOC 3173  Juvenile Delinquency (3 credit hours)
An overview of the US Juvenile Justice System with an emphasis on the history and development of philosophical approaches to juvenile delinquency. Examination of theoretical paradigms, current issues, and social problems. **Prerequisite:** Introduction to Sociology (SOC 1113)

SOC 3181-3  Directed Study (1-3 credit hours)
A summary of research pertaining to crime, including historical and modern theories of criminal behavior. Modern trends in criminal law and rehabilitation are reviewed. **Prerequisite:** Introduction to Sociology (SOC 1113)

SOC 3193  Criminology (3 credit hours)
A summary of research pertaining to crime, including historical and modern theories of criminal behavior. Modern trends in criminal law and rehabilitation are reviewed. **Prerequisite:** Introduction to Sociology (SOC 1113)

SOC 3203  Industrial/Organizational Psych (3 credit hours)
A study of the individual and groups in complex organizations: organizational structure, organizational changes, and the organization in society. The course is concerned with motivation, worker satisfaction, and communication in organizations, personnel relations and other related factors. **Prerequisite:** Introduction to Sociology (SOC 1113)

SOC 3213  Political and Social Philosophy (3 credit hours)
A study of ideas from ancient through modern times from such major thinkers as Aquinas, Augustine, Machiavelli, Hobbes, Locke, Rousseau, Montesquieu, Marx, Smith, and John Stuart Mill. Themes of study
will include such topics as wisdom, virtue, the just society, the good society, equality, property, natural rights, liberty, power, and human nature. **Prerequisite:** Introduction to Sociology (SOC 1113)

**SOC 3223  Sociology of Religion (3 credit hours)**
An overview of the social dimensions of human religious experience, including both classical theories and contemporary research. Topics may include religiosity, conserion, organizational structure, denominational growth and decline, secularization, the evangelical and fundamentalist movements, civil religion, prophecies, and teleevangelism.

**SOC 3303  Professional & Technical Writing in Criminal Justice (3 credit hours)**
This course is adapted from a typical college writing platform serving the particular needs of people who work in the Criminal Justice fields. It is a very task oriented course, focusing on skill development with an understanding of the reasons for skill development. It focuses on clarity, conciseness, and a disciplined understanding of meaning so the student/worker spends less time writing and more time conveying information.

**SOC 3313  Communication Concepts in Criminal Justice (3 credit hours)**
This course focuses on assisting the student in improving various communication skills through both understanding of the theories of communication and practical application through a wide range of concepts: verbal and nonverbal communication, public speaking, interview techniques, population diversity, small group dynamics and conflict management.

**SOC 3323  Advanced Criminal Procedures & Decision Making (3 credit hours)**
This course focuses on the overview of court cases and how they affect criminal justice procedures, especially in the realm of law enforcement. Particular attention will be paid to how certain court cases have affected the administration of law enforcement in the areas of civil liability, training, supervisory issues and administration.

**SOC 3333  Introduction to the American Court System (3 credit hours)**
This course is designed to introduce the student to basic individual rights under the United States Constitution and to show how some of the rights come into conflict with the maintenance of public order and the enforcement of the criminal laws of the United States and the individual states.

**SOC 3343  Crisis Intervention & Management (3 credit hours)**
This course introduces techniques of crisis intervention and management as they apply to practitioners. Emphasis is on victim/offender behavior and situations and other high stress and/or dangerous citizen contact requiring problem solving skills, as well as analysis skills for emotional, violent, drug-induced incidents that require field intervention and/or resolution.

**SOC 3353  Deviant Communities (3 credit hours)**
This course is the study of current sociological theories of deviant behavior in groups and subgroups of society, including focus on crowd and mob behavior, gangs, and collective behavior. It includes individual-centered approaches through larger groups such as families, neighborhoods, etc. with application of theories focusing on factors contributing to deviance and crime in America.

**SOC 3363  Hispanic Culture & Language (3 credit hours)**
This course is the study of cultural characteristics of Hispanics with an exploration of the sociological effects of Hispanic immigration to America. It also focuses on the interaction of Hispanics and traditional American culture and the effects on each in terms of education, values, politics, economics, family and the impact on the justice system. Instruction in common words and phrases relevant to the field of law enforcement and the Hispanics community will be included.

**SOC 3373  Finance for Decision Making (3 credit hours)**
This course provides a framework, concepts, and tools for analyzing financial decisions based on fundamental principles of modern financial theory. The approach analyzes corporate financial policy, including capital structure, cost of capital, dividend policy, and related issues. **Prerequisite:** Introduction to Sociology (SOC 1113)

**SOC 3383  Crime Mapping & Analysis (3 credit hours)**
This course introduces CJ professionals to the availability and potential uses of electronically available geographical information. Students will examine the use of various tool kits for analyzing and visualizing criminal justice issues in light of available geographical and intelligence information. **Prerequisite:** Introduction to Sociology (SOC 1113)
SOC 3433  **Death and Dying (3 credit hours)**
The course will identify modern concepts of death in contemporary society and available coping alternatives. It attempts to serve as a catalyst in helping students identify interpersonal concepts of death and dying as social issues. **Prerequisite:** Introduction to Sociology (SOC 1113)

SOC 3442  **Death, Grief and Loss (2 credit hours)**
This course explores the modern concepts of death and loss in contemporary society. The course examines the symptoms of grief and loss, and available coping strategies. **Prerequisite:** Introduction to Sociology (SOC 1113)

SOC 3443  **Police Organization & Admin (3 credit hours)**
An introduction to the basic principles involved in police organization and management. Examination of employment opportunities, current issues and trends. **Prerequisite:** Introduction to Sociology (SOC 1113)

SOC 4003  **Special Studies in Sociology (3 credit hours)**
General Studies Elective course in special topics. **Prerequisite:** Introduction to Sociology (SOC 1113)

SOC 4123  **Sociology of the Family (3 credit hours)**
An intensive study of the developmental process of early childhood. Emphasis is given to some of the major, present-day development theories and their application in dealing with children. Includes 11 hours of observation. (Early Childhood majors only) **Prerequisite:** Introduction to Sociology (SOC 1113)/Admission to the Teacher Education Program.

SOC 4131-4  **Sociology Internship (1-4 credit hours)**

SOC 4143  **Social Theory (3 credit hours)**
A systematic overview of classical and contemporary social theory with emphasis on the theorists and the historical development of the major theoretical paradigms. Application of theory to current research issues is stressed. **Prerequisite:** Introduction to Sociology (SOC 1113)

SOC 4151-2  **Honors Tutorial (1-2 credit hours)**
Course Description Not Found

SOC 4183  **Cultural Anthropology (3 credit hours)**
See MISS 4183

SOC 4193  **Methods of Social Research (3 credit hours)**
An analysis and evaluation of methods and techniques for collecting, classifying and analyzing social data; detailed study of the scientific method. A study of the models, methods, and techniques of social work practice focusing on case studies. **Prerequisite:** Introduction to Sociology (SOC 1113) and Statistical Methods (STAT 3143)

SOC 4213  **Social Work Processes (3 credit hours)**
A study of the models, methods, and techniques of social work practice focusing on case studies. **Prerequisite:** Introduction to Sociology (SOC 1113)

SOC 4223  **Colloquium in Sociology (3 credit hours)**
A capstone course designed to integrate the academic program in sociology and general education with an emphasis on the interface between the discipline and essential Christian beliefs and practices. **Prerequisite:** Introduction to Sociology (SOC 1113) and junior standing.

SOC 4371-3  **Special Topics in Sociology (1-3 credit hours)**
Prerequisite: Sophomore standing or permission of the instructor.

SOC 4383  **Social Stratification (3 credit hours)**
An examination of status, class and power with an emphasis on historical foundations and contemporary social concerns. Analysis of social stratification will focus on critique and evaluation, as well as current social inequality research issues. **Prerequisite:** Introduction to Sociology (SOC 1113)

SOC 4442  **Family: Dynamics & Structure (2 credit hours)**
This course studies the origin, development, functions, and problems of the basic social institution of our culture—the family. A systems approach is used to study the relationship and dynamics of family functioning. **Prerequisite:** Introduction to Sociology (SOC 1113)
SOC 4453  **Family: Coping with Crises (3 credit hours)**
This course examines the various crisis and transitions which a family can experience throughout its various stages, as well as the dynamics of relationships and coping strategies for times of transition and crisis. **Prerequisite:** Introduction to Sociology (SOC 1113)

SOC 4533  **Social Service Resources/Practicum (3 credit hours)**
This course examines the social, economic, and legal services that are relevant to the family and later life adults. Special coverage will be given to availability of public and private resources. This course involves work in a community setting. **Prerequisite:** Introduction to Sociology (SOC 1113)

**SPAN (SPANISH)**

SPAN 1113  **Elementary Spanish I (3 credit hours)**
An introduction to the study of the Spanish language. Although some students will have studied a little Spanish before this course, no background in the language is expected. Special emphasis is placed on listening and speaking skills.

SPAN 1123  **Elementary Spanish II (3 credit hours)**
A continuation of Elementary Spanish I (SPAN 1113). Continued emphasis on listening and speaking skills. **Prerequisite:** Two semester HS with A or B grade or 1 semester college.

SPAN 1311  **Introduction to Cultural & Communication Studies (1 credit hour)**
See ENGL 1311

SPAN 2133  **Intermediate Spanish I (3 credit hours)**
Development in reading, listening, speaking and writing skills in the Spanish language on the intermediate level. Prerequisite: Two years high school Spanish with A or B grade or one year of college Spanish. **Prerequisite:** Two years HS with A or B grade or 1 year college.

SPAN 2143  **Intermediate Spanish II (3 credit hours)**
A continuation of Intermediate Spanish I (SPAN 2133). Develops improved fluency in speaking and writing in Spanish on everyday topics along with increased speed in reading comprehension. **Prerequisite:** Intermediate Spanish I (SPAN 2133) or equivalent.

SPAN 2153  **Fundamentals of Translation (3 credit hours)**
See TRAN 2153

SPAN 2223  **Technology in Translation (3 credit hours)**
See TRAN 2223

SPAN 3123  **English into Spanish Translation (3 credit hours)**
See TRAN 3123

SPAN 3133  **Spanish into English Translation (3 credit hours)**
See TRAN 3133

SPAN 3221-3  **Special Studies in Spanish (1-3 credit hours)**
An intensive study of a specific area in Hispanic language, culture, or literature. Offered at irregular intervals, it may be repeated to a maximum of six hours of credit by varying its content. **Prerequisite:** Intermediate Spanish II (SPAN 2143) or equivalent.

SPAN 3231-3  **Mexican Field Studies (1-3 credit hours)**
See MISS 3231-3

SPAN 3323  **Hispanic Area Studies (3 credit hours)**
A study of Spain and Spanish America, emphasizing the cultural attainments of the Hispanic peoples from the time of the Iberians until the present. **Prerequisite:** Intermediate Spanish II (SPAN 2143) or equivalent.

SPAN 3333  **Applied Cultural Integration/Costa Rica (3 credit hours)**
This course gives students necessary tools and opportunities to integrate meaningfully into a culture that is different from their own. This course engages the students in participating in Latin American culture while simultaneously examining political, social, environmental, religious and related issues through the eyes of Latin America. It also challenges students to integrate their studies, experiences and observations into a Christian worldview.
SPAN 3423  **Spanish Composition & Conversation (3 credit hours)**  
Designed to increase oral proficiency and to enhance written communication in Spanish in situations ranging from relatively simple to more complex. **Prerequisite:** Intermediate Spanish II (SPAN 2143) or equivalent.

SPAN 3453  **Commercial Spanish (3 credit hours)**  
Commercial Spanish is a course in language for specific, professional purposes. The course uses Spanish to survey international business with a focus on business in Spanish-speaking countries, including the U.S. Within the context of the development of geographic literacy, cross-cultural awareness and cross-cultural communicative competence, it exercises and enhances the following communication skills for business purposes: speaking, listening, reading, writing, translation/interpretation, and research. **Prerequisite:** Spanish Composition and Conversation (SPAN 3423) or permission of the instructor.

SPAN 3523  **Latino Literature (3 credit hours)**  
The attitudes, adjustments, value system, historical and social factors pertaining to the various Latino groups residing in the U.S. as portrayed in their literature. Reading and class discussion in English. **Prerequisite:** ENGL 2413 or permission of instructor.

SPAN 3533  **Masterpieces of Spanish Literature (3 credit hours)**  
The key movements, authors, and works of peninsular Spanish literature from its origins through the end of the Spanish Golden Age. **Prerequisite:** Intermediate Spanish II (SPAN 2143) or equivalent.

SPAN 4233  **Special Studies in Spanish (3 credit hours)**

SPAN 4303  **Business/Legal Translation (3 credit hours)**
See TRAN 4303

SPAN 4313  **Medical/Technical Translation (3 credit hours)**
See TRAN 4313

SPAN 4383  **Professional Seminar (3 credit hours)**
This seminar is a capstone course that helps students integrate their learning and prepare to enter the professional world or to continue on to graduate study. This course will cover the advantages and disadvantages of working as an independent contractor or translation business owner or working for a business, governmental, or non-profit organization. Students will assess their readiness for working as translators in different settings or pursuing graduate study, and will prepare supporting materials suitable to be used in submission of employment or graduate school applications.

SPAN 4393  **Translation/Interpreting Internship (3 credit hours)**
See TRAN 4393

SPAN 4473  **Intensive Spanish Composition & Conversation (3 credit hours)**
An intensive study of Spanish conversation, pronunciation and intonation and of Spanish composition, including advanced grammar, stylistics and creative writing. **Prerequisite:** Spanish Composition and Conversation (SPAN 3423) or permission of the instructor.

SPAN 4523  **Modern Spanish Literature (3 credit hours)**
A study of the representative peninsular Spanish writers from Neoclassicism to the mid-twentieth century. **Prerequisite:** Intermediate Spanish II (SPAN 2143).

SPAN 4533  **Latin American Literature I (3 credit hours)**
A study of the main contributions of Spanish-America to world literature and their influence upon Spanish-American writing of the 20th century, surveying literature from the Colonial era through Romanticism.

SPAN 4553  **Latin American Literature II (3 credit hours)**
A continuation of the study of the contributions of Spanish-America to world literature, surveying the writings of Modernism through the present time.

SPAN 4592-3  **Seminar (2-3 credit hours)**
A course dealing with key issues and problems of the Hispanic world, especially as these are related to the U.S. citizen interested in hemispheric affairs. It is the capstone course for the Spanish major, stressing research and oral and written expression in the Spanish language. **Prerequisite:** Masterpieces of Spanish Literature (SPAN 3533) or equivalent and Intensive Spanish Composition and Conversation (SPAN 4473).
SPAN 5281-3  **Independent Study (1-3 credit hours)**
May be repeated to a maximum of six (6) hours of credit. **Prerequisite:** Intensive Spanish Composition and Conversation (SPAN 4473) and Modern Spanish Literature (SPAN 4523).

**SP C (SPEECH COMMUNICATION)**

**SP C 1133  Introduction to Speech Communication (3 credit hours)**
A beginning course which stresses that communication is an essential element of human existence. Basic communication theory, interpersonal skills, and public speaking skills are addressed. A 'C' or better in this course meets the oral proficiency requirement for admission to teacher education.

**SP C 1203  Introduction to Interpersonal Communication (3 credit hours)**
A beginning course which stresses that communication is the foundation of all interpersonal relationships. The goals for this course are twofold: to present valid principles of interpersonal communication, and to provide insight concerning means of improving interpersonal relationships.

**SP C 1233  Introduction to Professional Speaking (3 credit hours)**
An introductory course in professional speaking that meets the General Education requirement in communication for honors students.

**SP C 1311  Introduction to Cultural & Communication Studies (1 credit hour)**
See ENGL 1311

**SP C 2133  Public Speaking and Debate (3 credit hours)**
A course planned to aid the teacher, ministerial student, and students with an interest in public speaking. It combines theory with practice. The speeches are longer than lower level courses with a greater emphasis on content, organization, and application of communication theory. **Prerequisite:** One or two semester HS course (A or B grade) that focused on preparing and presenting informative and persuasive speeches and/or one year participation in a high school debate or forensics (individual competitive events) program (A or B grade).

**SP C 2213  Introduction to Organizational Communication (3 credit hours)**
An introduction to the communication behaviors inherent in today’s complex organizations. The course covers topics ranging from communication networks to leadership styles to interviewing. **Prerequisite:** One or two semester HS course (A or B grade) that focused on preparing and presenting informative and persuasive speeches and/or one year participation in a high school debate or forensics (individual competitive events) program (A or B grade).

**SP C 2323  Survey of Mass Media (3 credit hours)**
See MCOM 2323

**SP C 2353  Interviewing Techniques (3 credit hours)**
A practical course in how to conduct an interview as an interviewer. Basic interviewing skills are emphasized. Emphasis is on learning by doing. Skills learned apply to many settings.

**SP C 2393  Video Production (3 credit hours)**
Practice of planning and executing quality video projects in studio and freelance environments using Final Cut Pro non-linear editing software.

**SP C 2511  Experience in Play Performance (1 credit hour)**
A laboratory course open, by audition, to all students participating in departmental plays. May be repeated; however a maximum of four credit hours may apply toward major or minor. **Prerequisite:** Departmental approval.

**SP C 2523  Introduction to Theater (3 credit hours)**
A survey of major dramatic periods from the classical age of Greece to twentieth century America. Also includes basic principles of acting including stage areas, directions and movement.

**SP C 2533  Oral Interpretation of Literature (3 credit hours)**
The development of intellectual and emotional responsiveness to dramatic literature, and the ability to read orally so as to communicate the printed page with appreciation to others. Projects in cutting and analysis are required.
SP C 3123 Communication Analysis (3 credit hours)
A survey of the origins and trends in rhetorical theory, the study of oration and other forms of public discourse.

SP C 3181-3 Directed Study (1-3 credit hours)
Individual study of an approved area based on the interest and/or need of the student. May be repeated.
Prerequisite: Departmental approval.

SP C 3231 Special Studies in Communication (1-3 credit hours)
A course designed for in-depth investigation in current and emerging areas of communication theory and research. May be repeated with different subject matter.

SP C 3353 Advanced Video Production (3 credit hours)
See MCOM 3353

SP C 3433 Instructional Strategies in Communication (3 credit hours)
A study of applied learning theory for those preparing to teach speech and drama. The purpose of the class is to enlarge the number and quality of understandings and behaviors available to the teacher. These options are studied in relation to the utilization of a teaching-learning model based on a systems approach.

SP C 3462 Family Communication (2 credit hours)
This course examines interpersonal communication and the factors that influence its effectiveness in professional, family, and personal relationships.

SP C 3463 Family Communication (3 credit hours)
This course is a study of communication and the factors that influence its effectiveness in the context of the family. The course explores alternatives to typical problem areas in communication that occur among family members.

SP C 3473 Group & Organizational Communication (3 credit hours)
This course examines group and organizational functioning and the factors that influence effectiveness in informal and formal groups and organizations. Emphasis is placed on leadership, decision-making, and conflict management.

SP C 4003 Special Studies in Speech Communication (3 credit hours)
General Studies Elective course in special topics.

SP C 4133 Persuasion (3 credit hours)
A study of the psychological and rhetorical principles influencing the belief of individuals and of groups, of the basis of persuasion, of the nature of response, of the methods of adaptation to various mental attitudes and audiences.

SP C 4183 Media Law (3 credit hours)
See MCOM 4183

SP C 4192 Communication Arts Colloquium (2 credit hours)
See ENGL 4192

SP C 4203 Media Ethics (3 credit hours)
See MCOM 4213

SP C 4213 Communication in Conflict Management (3 credit hours)
The study and practice of communication as interpersonal behavior and relationship with emphasis upon the individual and his/her management of conflict situations through specific tactics and strategies. Extensive use of cases and simulations illustrating conflict problems and management in personal, family and professional situations.

SP C 4223 Group Interaction & Leadership (3 credit hours)
A study of the theories and techniques of problem solving and decision making by means of group process. Emphasis is given to the application of relevant communication theory from the literature of small groups. A functional group-centered approach to leadership is also emphasized.

SP C 4233 Intercultural Communication (3 credit hours)
An introduction to the communication, which takes place when people of different cultures interact. This
course surveys differences in cultures, which can create obstacles to understanding and communication and offers suggestions for dealing with these obstacles.

SP C 4323   Broadcast News (3 credit hours)
See MCOM 4323

SP C 4343   Public Relation Strategies (3 credit hours)
See MCOM 4343

SP C 4361-3   Special Studies in Mass Communication (1-3 credit hours)
See MCOM 4361-3

SP C 4381-3   Internship (1-3 credit hours)
This course, primarily designed for seniors, consists of practical application of skills, techniques and theory of mass communication through individualized work in the field. May be repeated for credit, however there is a limit of six credit hours that may be counted toward the major. Grading is on the pass/fail basis.

SP C 4423   Interpersonal Communication (3 credit hours)
This course examines interpersonal communication and the factors that influence its effectiveness in both professional and personal relationships.

SP C 4584   Directing & Producing (4 credit hours)
A laboratory course in which speech majors select, cast, direct, and produce a one-act play. Provides stagecraft experience in lighting, makeup, sets and costumes. Prerequisite: Departmental approval

STAT (STATISTICS)
STAT 3143   Statistical Methods (3 credit hours)
A study of methods for organizing and interpreting quantitative data, with emphasis on methods commonly used in any situation requiring the analysis of information recorded in numerical form. A survey of statistical description, including measures of central tendency, dispersion, and correlation; an introduction to methods of hypothesis testing.

STAT 3243   Computer-Packaged Statistics (3 credit hours)
The course is a transition from the basic concept of statistics, as learned in Statistical Methods, toward the way applied statistical work usually is done at the present time. The course covers common statistical procedures as they are done in Systat for Windows. Prerequisite: Statistical Methods (STAT 3143)

STAT 3423   Data Analysis Methods (3 credit hours)
This course provides a survey and application of the basic data analysis methods used in the process of evaluation, including a study of both descriptive and inferential statistical methods.

THEO (THEOLOGY)
THEO 1513   Christian Faith and Life (3 credit hours)
A one semester course in which students are introduced to how a Christian perspective creates and deepens meaning in cultural, personal, social, and aesthetic issues; how to evaluate moral and ethical choices in light of sound interpretations of Christian scriptures, Christian traditions, and the Wesleyan theological perspective; and how Christians operationalize that analysis through active stewardship and service.

THEO 2163   Introduction to Theology (3 credit hours)
An introduction of Christian theology. An attempt will be made to understand Christian convictions in light of the long-standing arguments within the theological discourse of the Christian Church. Pays special attention to the Wesleyan tradition and the theological significance of that vision for theology. Also pays particular attention to the relationships of Christian theological studies, biblical studies, philosophy, and church history. Prerequisite: Introduction to Biblical Literature (B LT/GS 1163) and Methods in Biblical Study (B LT 2163). Introduction to Philosophy (PHIL 2013) recommended.

THEO 2233   Introduction to Christian Thought (3 credit hours)
An approach to basic concepts of Christian theology via the perspective of Biblical tradition, historical development, and contemporary relevance. Specific attention will be given to addressing current social and ethical issues. Prerequisite: Intro. to Biblical Literature (B LT/GS 1163) or one freshman semester completed.
THEO 3113  Old Testament Theology (3 credit hours)
A THEOLOGY & MINISTRY SCHOOL CORE REQUIREMENT. A beginning course in Biblical Theology. The methodologies of Old Testament Theology and the theological insights of the Old Testament will be introduced.

THEO 3123  New Testament Theology (3 credit hours)

THEO 3133  Doctrine of Holiness (3 credit hours)
A THEOLOGY & MINISTRY SCHOOL CORE REQUIREMENT. The Biblical foundations of the doctrine of holiness are explicated and the place of the holiness tradition in the stream of historic Christianity will be examined. Special attention is given to the explication and proclamation of the doctrine of holiness.

THEO 3223  Ideology Land: Arab & Jewish Perspectives (3 credit hours)
See BLT 3223

THEO 3263  Biblical Theology & Global Stewardship (3 credit hours)
See QERC 3263

THEO 4111  Senior Colloquium (1 credit hour)
A capstone experience for senior ministry students designed to integrate the work in their overall program of study. Students are required to compose a comprehensive essay, meet at various points during the semester for faculty presentations and group discussions, and be involved in an intensive weekend learning experience as a part of the course.

THEO 4133  Systematic Theology I (3 credit hours)
A THEOLOGY & MINISTRY SCHOOL CORE REQUIREMENT. An intensive study of the Christian Faith as a systematic structure in which the various doctrines are perceived as integral parts of an organic whole and examined in the light of their biblical foundations, historical development and philosophical implications. The following doctrinal areas will be covered: revelation and inspiration, the being and nature of God, creation and providence, man and sin. Prerequisite: Old Testament Theology (THEO 3113), New Testament Theology (THEO 3123), Introduction to Philosophy (PHIL 2013) and either History of Ancient and Medieval Philosophy (PHIL 3101) or History of Modern Philosophy (PHIL 3113).

THEO 4143  Systematic Theology II (3 credit hours)
A THEOLOGY & MINISTRY SCHOOL CORE REQUIREMENT. A continuation of Systematic Theology I (THEO 4133). The following doctrinal areas will be covered: Christ, salvation, the church, and eschatology.

THEO 4173  Wesleyan-Arminian Theology (3 credit hours)
The first half of the semester will be devoted to the background and development of the theology of James Arminius in its relation to 17th century Reformed theology. Special consideration will be given to the events which led to the Synod of Dort. The second half of the semester examines John Wesley’s theology against the background of 18th century theology. Special attention is paid to Wesley’s doctrine of Christian Perfection. Extensive readings in primary source materials will be required on both men.

THEO 4181-3 Directed Study (1-3 credit hours)
*This course is approved for graduate level credit, with additional reading and research. Prerequisite: approval of the school. Prerequisite: Approval by M.A. coordinator and Theology professor.

TRAN (TRANSLATION)
TRAN 1311  Introduction to Cultural & Communication Studies (1 credit hour)
See ENGL 1311

TRAN 2153  Fundamentals of Translation (3 credit hours)
Fundamentals of Translation provides an introduction to the field of commercial translation. The course introduces students to the history, context, basic concepts and theories of translation and provides students with an analytical framework for further translation study. Simple analytical and translation exercises will be done to help illustrate concepts taught.

TRAN 2223  Technology in Translation (3 credit hours)
This course introduces students to various types of computer technology and electronic tolls commonly
used by professional translators to improve productivity and consistency. It covers the use of such programs as Word, Excel, and PowerPoint in English and Spanish. It also covers translation memory, terminology management, and document conversion tools. Additionally, the course helps students develop skills and strategies for making the most effective use of Internet research for translation.

TRAN 3123  English into Spanish Translation (3 credit hours)
English into Spanish Translation offers extensive practice in English into Spanish translation in a variety of fields. Students proceed from simple translations to translations that are more complex. Students are introduced to and practice translation strategies that help move them from a focus on word and sentence level translation to a focus on complete text translation. Spanish-English contrasts are studied to help identify origins of source language interference and transfer and their effects on target language texts.

TRAN 3133  Spanish into English Translation (3 credit hours)
Spanish into English Translation offers extensive practice in Spanish into English translation in a variety of fields. Students proceed from simple translations to translations that are more complex. Students are introduced to and practice translation strategies that help them identify and effectively deal with problematic issues in Spanish into English translation. Spanish-English contrasts are studied to help identify origins of source language interference and transfer and their effects on target language texts.

TRAN 4303  Business/Legal Translation (3 credit hours)
This course helps students develop translation skills for a variety of business, and legal texts, with special emphasis on the types of texts most generally translated by professional translators.

TRAN 4313  Medical/Technical Translation (3 credit hours)
This course helps students develop translation skills in a variety of scientific, technical and medical texts, with special emphasis on the types of texts most generally translated by professionals.

TRAN 4383  Professional Seminar (3 credit hours)
This seminar is a capstone course that helps students integrate their learning and prepare to enter the professional world or to continue on to graduate study. The course will cover the advantages and disadvantages of working as an independent contractor or translation business owner or working for a business, governmental, or non-profit organization. Students will assess their readiness for working as translators in different settings or pursuing graduate study, and will prepare supporting materials suitable to be used in submission of employment or graduate school applications.

TRAN 4393  Translation/Interpreting Internship (3 credit hours)
This internship course links students to a practical professional work setting in a law firm, hospital, business, or community organization. The internship provides valuable work experience as a translator and/or interpreter under the close supervision and mentoring of a professional.
Chapter 11

Academic Personnel

IN THIS CHAPTER

- President’s Cabinet
- Faculty
- Directors and Administrative Staff
- Emeriti Faculty
PRESIDENT’S CABINET

Loren Gresham, Ph.D., University President (1969)
  B.A., Pasadena College
  M.A., University of Southern California
  Ph.D., University of Oklahoma

Mary Jones, Ph.D., Provost & Chief Academic Officer (2006)
  B.S., Emporia State University
  M.B.A., Rockhurst College
  Education Specialist, University of Missouri-Kansas City
  Ph.D., University of Missouri-Kansas City

Linda Cantwell, Ed.D., Vice President for Enrollment Management (2011)
  B.A., Mid-America Nazarene University
  M.A., Webster University
  Ed.D., Azusa Pacific University

Michael Redwine, Ed.D., Vice President for Student Development (2007)
  B.A., MidAmerica Nazarene University
  M.Ed., MidAmerica Nazarene University
  M.B.A., MidAmerica Nazarene University
  Ed.D., St. Louis University

Scott Strawn, Ed.D., Vice President for Finance (2008)
  B.A., Anderson University
  M.A., Ball State University
  Ed.D., The University of Kansas

Terry Toler, Ed.D., Vice President for University Advancement and Church Relations (2000)
  A.A., Ohio Christian University
  B.A., Southern Nazarene University
  M.Min., Southern Nazarene University
  Ed.D., University of Sarasota

FACULTY

Joshua M. Achipa, M.S.L.S., Assistant Professor, Library (Spring 1997)
  B.A., Washington Bible College
  M.R.E., Liberty Baptist Theological Seminary
  M.S.L.S., Clarion University

Rebekah Ambrosini, M.P.A., Associate Professor, School of Music (Fall 2006)
  B.Mus., Oklahoma City University
  M.P.A., Oklahoma City University
  Graduate Study, University of Oklahoma

Caroline Bentley, Ph.D., Associate Professor, Department of Biology (Fall 2008)
  B.S., Oral Roberts University
  M.A., College of William and Mary
  Ph.D., University of Washington

W. Davis Berryman, Ph.D., Professor/Dean, College of Professional and Graduate Studies (2002)
  B.S., Washington University
  M.S., Case Western Reserve University
M.B.A., Kent State University
Ph.D., Michigan State University

Holly Bingham, M.B.A., Assistant Professor, Department of Kinesiology (Fall 2012)
B.S., Southern Nazarene University
A.T.C., Certified Athletic Trainer
M.B.A., Southern Nazarene University

Michelle Bowie, M.A., Associate Professional Specialist, Online Learning (Spring 2011)
B.A., Southern Nazarene University
M.A., Southern Nazarene University

Pamela Bracken, Ph.D., Professor, Department of English (Fall 1994)
B.A., Bethany Nazarene College
M.A., Southern Nazarene University
Ph.D., Catholic University of America

Pamela S. Broyles, Ph.D., Professor, Department of Speech Communication (Fall 1979)
B.A., Bethany Nazarene College
M.Ed., University of Oklahoma
Ph.D., University of Oklahoma

Richard E. Cantwell, Ph.D., Professor, Department of Music (Fall 2011)
B.F.A., University of Nebraska
M.M.E., University of Nebraska
D.M.A., University of Missouri at Kansas City – Conservatory of Music

Hal A. Cauthron, Ph.D., Professor/Chair, School of Theology and Ministry (Spring 1995)
B.A., Bethany Nazarene College
M.A., Bethany Nazarene College
M.Div., Nazarene Theological Seminary
M.A., Vanderbilt University
Ph.D., Vanderbilt University

Charles Chitwood, D.Min., Associate Professor, Registrar (Fall 2008)
B.S., University of North Carolina/Chapel Hill
M.Div., Church of God Theological Seminary
M.A., Sam Houston State
D.Min., Dallas Theological Seminary

Heather Clemmer, Ph.D., Assoc. Prof., Department of History, Politics and Geography (Fall 2006)
B.S., Southern Nazarene University
B.A., Southern Nazarene University
M.A., University of Oklahoma
Ph.D., University of Oklahoma

Lisa Crow, Ph.D., Assistant Professor/Chair, Department of Chemistry (Spring 2008)
B.A., Greenville College
M.S., University of Oklahoma
Ph.D., University of Oklahoma

Rhonda Crutcher, Ph.D., Associate Professor, McNair Scholars Program (Fall 2007)
B.A., Southern Nazarene University
M.A., Nazarene Theological Seminary
Ph.D., Nazarene Theological College, University of Manchester
Timothy J. Crutcher, Ph.D., Professor, School of Theology and Ministry (Fall 2003)
B.A., Southern Nazarene University
M.A., Southern Nazarene University
M.Div., Nazarene Theological Seminary
M.Th., Katholieke Universiteit Leuven, Belgium
Ph.D./S.T.D., Katholieke Universiteit Leuven, Belgium

Howard R. Culbertson, D.Min., Professor/Garner Chair of Missions (Fall 1988)
B.A., Bethany Nazarene College
M.Div., Nazarene Theological Seminary
M.R.E., Nazarene Theological Seminary
Graduate Study, Fuller Theological Seminary
D.Min., Denver Seminary

Matt Denman, M.M.E, Assistant Professor, School of Music (Fall 2012)
B.M., Oklahoma City University
M.M.E., University of Central Oklahoma

B.A. in Business, Southern Nazarene University
M.B.A, University of Central Oklahoma
Ed.D. in Business Education, Oklahoma State University

Beverly DeVries, Ed.D., Professor, School of Education (Fall 1993)
B.A., Northwestern College
M.A., Western Michigan University
Ed.D., Oklahoma State University

Donald W. Dunnington, D.Min., Professor, School of Theology and Ministry (Fall 1991)
B.A., Olivet Nazarene University
M.Div., Nazarene Theological Seminary
D.Min., Trinity Evangelical Divinity School
Graduate Study, Vanderbilt University

Brent Eskridge, Ph.D., Associate Professor, Department of Computer Science/Network Engineering (Fall 2004)
B.S., Southern Nazarene University
M.S., University of Oklahoma
Ph.D., University of Oklahoma

Mary Eskridge, Ed.D., Professor, School of Education (Fall 1996)
B.S., Bethany Nazarene College
M.A., Southern Nazarene University
Graduate Study, University of Central Oklahoma
Ed.D., Oklahoma State University

Dayna Ford, M.A., Assistant Professor, Center for Applied Studies in English (2008)
B.A., Oklahoma State University
M.A., Oklahoma State University
Doctoral Candidate, University of Oklahoma

Douglas D. Forsberg, M.A., Associate Professor, School of Theology and Ministry (Fall 2003)
B.A., Bartlesville Wesleyan College
M.Div., Nazarene Theological Seminary
M.A., Oklahoma State University
Wilma Galatian, R.N., M.S., Assistant Professor, School of Nursing (Spring 2011)
B.S.N., Oklahoma Wesleyan University
M.S., Southern Nazarene University
ABD, Capella University

J. Rendall Garrett, M.S.A., CPA, Assistant Professor, School of Business (Fall 1976)
B.S. in Accounting, Bethany Nazarene College
M.S.A., Oklahoma City University
Certified Public Accountant

Diane Gaston, R.N., M.S., Assistant Professor, School of Nursing (Fall 2011)
B.S.N., University of Central Oklahoma
M.S., Southern Nazarene University

Anne A. Ghost Bear, Ed.D., Associate Professor, School of Professional Studies (Fall 2002)
B.S., East Central University
M.S. in Adult Education, Oklahoma State University
Ed.D. in Adult Education, Oklahoma State University

Sylvia Goodman, Ed.D., Professor/Dean, College of Business, Education, Kinesiology (Fall 2001)
B.S., Taylor University
A.T.C., Certified Athletic Trainer
M.A., Miami University
Ed.D., Boston University

Jim Graves, M.M., Assistant Professor, School of Music (Fall 2008)
B.Mus.Ed., Boise State University
M.M., Choral Conducting, University of North Texas

Stephen G. Green, D.Min., Professor/W. N. King Chair, Theological and Biblical Studies (Fall 1998)
B.S., Bethany Nazarene College
M.Div., Nazarene Theological Seminary
D.Min., Vanderbilt University
Advanced Graduate Study, Fuller Theological Seminary

Jeffrey Griffitts, Ph.D., Assistant Professor, Department of Biology (Fall 2008)
B.S., East Central University
Ph.D., University of Oklahoma Health Sciences Center

Gwen Ladd Hackler, Ph.D., Professor, Department of English (Fall 1983)
B.A., Bethany Nazarene College
M.A., University of Kansas
Ph.D., University of Kansas

Peggy Hampton, R.N., M.S., Assistant Professor, School of Nursing (Fall 2005)
B.S.N., University of Central Oklahoma
M.S., Southern Nazarene University

Wesley H. Hanson, Ph.D., Professor/Chair, Department of Biology (Fall 1999)
B.A., Bemidji State College
Ph.D., University of North Dakota
Postdoctoral Study, Madison VA Hospital-University of Wisconsin
Postdoctoral Study, Human Nutrition Laboratory, ND
Kenneth Hardee, M.S., Assistant Professor, Department of Kinesiology (Fall 2008)
    B.A., Northwest Nazarene University
    M.S., Southern Illinois University at Carbondale

Loral McDonald Henck, M.A., Associate Professor, Academic Center for Excellence (Fall 2000)
    B.S., Bethany Nazarene College
    M.A., Northeastern State University
    Reading Specialist Certification, Northeastern State University
    Advanced Graduate Study, Oklahoma State University

Mary Hibbert, Ph.D., Professor, School of Nursing (Fall 1995)
    B.S., Pittsburg State University
    M.S., University of Kansas
    Graduate Study, University of Kansas
    Ph.D., Texas Woman’s University

Rachel Hildebrand, M.Ed., Assistant Professor, Department of Kinesiology (Fall 2012)
    B.S., The University of Tulsa
    M.Ed., Xavier University
    ATC, Certified Athletic Trainer
    ABD, Oklahoma State University

Catherine A. Hutchings-Wedel, Ed.D., Professor, School of Professional Studies (Fall 1988)
    B.A., Southern Nazarene University
    M.A., Southern Nazarene University
    Ed.D., Oklahoma State University

Frank Johnson, D.Min., Associate Professor/Department of Modern Languages (Fall 2005)
    B.A., Oklahoma Baptist University
    M.Div., Boston University
    M.B.A., Boston University
    D.Min., Southwestern Baptist Theological Seminary
    American Translator Association Certification for Spanish into English Translation

Delilah G. Joiner, Ed.D., Professor, School of Professional Studies (Fall 1981)
    B.A., Bethany Nazarene College
    M.Ed., Central State University
    Ed.D., Oklahoma State University

Paul Jones, Ph.D., Assistant Professor, Department of Psychology and Counseling (Fall 2008)
    B.S., Southern Nazarene University
    M.A., Fuller Theological Seminary
    Ph.D., Fuller Theological Seminary

Kenneth (Kep) Keoppel, Ph.D., Professor, School of Education (Fall 1981)
    B.A., Bethany Nazarene College
    M.A., Bethany Nazarene College
    Ph.D., University of Oklahoma

Kathryn M. King, M.S.L.S., Assistant Professor/Library Director (Spring 2012)
    B.S., Southern Nazarene University
    M.S.L.S., The University of Oklahoma
Melany Kyzer, J.D., Professor/Dean of the College of Humanities (Fall 2001)
B.S., Bethany Nazarene College
M.A., Southern Nazarene University
J.D., Oklahoma City University

Debra Deanne Latham, R.N., M.S., C.N.E., Assistant Professor/Associate Chair, School of Nursing (Fall 2005)
A.D.N, Redlands Community College
B.S.N., Southern Nazarene University
M.S., University of Oklahoma

Wesley Lee, M.S., CBA, Assistant Professor, Academic Center for Excellence (Fall 2008)
B.S., Southern Nazarene University
M.S., Southern Nazarene University
C.B.A., Certified Behavior Analyst

Melissa Lewis, D.M.A., Professor/Chair, School of Music (Fall 1999)
B.S., Southern Nazarene University
M.M., University of Cincinnati College-Conservatory of Music
D.M.A., University of Cincinnati College-Conservatory of Music

Alicia Limke, Ph.D., Associate Professor, Department of Psychology and Counseling (Fall 2012)
B.S., Southern Nazarene University
M.S., University of Oklahoma
Ph. D., University of Oklahoma

Robert John Lively, Ph.D., Professor, Department of History, Politics and Geography (Fall 1980)
B.A., Bethany Nazarene College
M.A., Bethany Nazarene College
Graduate Study, Oklahoma State University
Ph.D., University of Oklahoma

Sue Anne Lively, Ed.D., Professor/Chair, School of Professional Studies (Fall 1980)
B.S., Bethany Nazarene College
M.A., Bethany Nazarene College
Ed.D., Oklahoma State University

Bobby Gene Martin, M.A., Assistant Professor/Athletic Director (Fall 1979)
B.S., Bethany Nazarene College
M.A., Central State University

Donna R. McArthur, R.N., M.S.N., Assistant Professor, School of Nursing (Fall 2006)
B.S., Southern Nazarene University
B.S.N., Southern Nazarene University
M.S.N., Southern Nazarene University

Marty A. Michelson, Ph.D., Professor, School of Theology and Ministry (Fall 1998)
B.A., Northwest Nazarene College
M.A., Point Loma Nazarene College
M.A., Southern Nazarene University
Postgraduate coursework, Iliff School of Theology and University of Denver
Ph.D., University of Manchester, U.K.

Larry Mills, Ph.D., Professor, School of Business (Fall 1969)
C.M.A., Institute of Management Accounting
B.S., Southern Nazarene University
M.B.A., University of Oklahoma  
Ph.D. in Management, University of Oklahoma  

Linda A. Miner, Ph.D., Professor, School of Professional Studies (Fall 1990)  
B.S., University of Kansas  
M.S., University of Kansas  
Ph.D., University of Minnesota  

Brint A. Montgomery, Ph.D., Professor, School of Theology and Ministry (Fall 1996)  
B.A., Northwest Nazarene College  
M.Div., Nazarene Theological Seminary  
M.A., University of Oklahoma  
Ph.D., University of Oklahoma  

Philip A. Moore, D.M.A., Professor, School of Music (Fall 1981)  
B.Mus.Ed., Bethany Nazarene College  
M.Mus.Ed., University of Oklahoma  
D.M.A., University of Oklahoma  

A. Koshy Muthalaly, Ph.D., Professor, School of Professional Studies (Fall 1999)  
B.A. (Hons), Bangalore University, India  
B.D., Union Biblical Seminary, Maharashtra, India  
M.Th., United Theological College (Serampore University)  
Ph.D., Southern Baptist Theological Seminary  
M.B.A., Southern Nazarene University  

Dwight E. Neuenschwander, Ph.D., Professor/Chair, Department of Physics (Fall 1986)  
B.S., University of Southern Colorado  
Ph.D., Arizona State University  

David O’Bannon, M.B.A., Assistant Professor, School of Business (Fall 2011)  
B.S., Southern Nazarene University  
M.B.A., Oklahoma City University  

Laura O’Neil, R.N. M.S., Assistant Professor, School of Nursing (Fall 2005)  
B.S.N., University of Oklahoma  
M.S., University of Oklahoma  

Lisa Orth, M.L.I.S., Assistant Professor, Library (Fall 2012)  
B.S., Pennsylvania State University  
M.L.I.S., University of Oklahoma  

Whitney Porch-Van Heuvelen, M.F.A., Assistant Professor, Department of Art & Design (Fall 2007)  
B.F.A., University of Oklahoma  
M.F.A., University of Notre Dame  

Margaret (Peggy) Poteet, Ph.D., Professor/Division of Cultural and Communications Chair (1973-1978; Fall 1988)  
B.A., Northwest Nazarene College  
M.A., California State College at Los Angeles  
Ph.D., University of Oklahoma  

Cynthia Powell, M.B.A., CPA, Assistant Professor, School of Business (Fall 1985)  
B.S., Southern Nazarene University  
M.B.A., University of Central Oklahoma  
Certified Public Accountant
Mark Reighard, D.M.A., Professor, School of Music (Fall 1969)
B.Mus.Ed., Bethany Nazarene College
M.A., University of Oklahoma
D.M.A., University of Oklahoma

Gwen Rodgers, M.S., Assistant Professor, Online Learning (Fall 2007)
B.S., Southern Nazarene University
M.S., Southern Nazarene University
MCP, Microsoft Certified Professional
COI, Certified Online Instructor

Kenneth Rosfeld, Associate Professional Specialist, School of Music (Fall 2005)
B.A., Southern Nazarene University

R. Douglas Samples, D.Min., Professor, School of Theology and Ministry (Fall 1998)
B.A., Olivet Nazarene University
M.Div., Nazarene Theological Seminary
D.Min., Fuller Theological Seminary

Stephane Shellenberger, M.A., Assistant Professor/Chair, Department of Kinesiology (1977-1985; Fall 1992)
B.S., Bethany Nazarene College
M.A., Central State University

Katie Sigler, R.N., Ed.D., Assistant Professor/Chair, School of Nursing (Fall 2008)
A.D.N., Cuesta College
B.S.N., St. Mary's of the Plains
M.N., Wichita State University
A.R.N.P., Pittsburg State University
Ed.D., Oklahoma State University

Jimmie D. Smith, M.A., Associate Professor, Department of Speech Communication (1987-1989; Fall 1991)
B.A., Bethany Nazarene College
M.A., Bethany Nazarene College
Graduate Study, University of Oklahoma

Blair Spindle, Ed.D., University Pastor/Dean of the Chapel (Fall 2012)
B.S., Mid-America Nazarene University
M.A., Nazarene Theological Seminary
Ed.D., Nova Southeastern University

Randall Spindle, Ed.D., J.D., Professor/Interim Chair, School of Business (1978-1993; Fall 1999)
B.A., Southern Nazarene University
M.A., Southern Nazarene University
Ed.D., Oklahoma State University
J.D., University of Oklahoma Law School

Dorothy A. Stasser, Ed.D., Professor, Department of Psychology and Counseling (Fall 1967)
B.S., Bethany Nazarene College
M.S., Oklahoma State University
Ed.D., Oklahoma State University

P. Eileen Stephens, R.N., M.S., Associate Professor, School of Nursing (Fall 2012)
B.S.N., University of Central Oklahoma
M.S., University of Oklahoma
Sheila J. Stout, M.A., M.A.F.T., Associate Professor, Online Associates (Fall 1999)
  B.A., Southern Nazarene University
  M.A., Southern Nazarene University
  M.A.F.T., Southern Nazarene University
  Graduate Study, Oklahoma State University

Jimmie D. Tabers, M.S., Associate Professor/Chair, Department of Computer Science/Network Engineering (Fall 1980)
  B.A., Trevecca Nazarene College
  M.S., University of Oklahoma
  CNI, Novell Certification
  MCT, Microsoft Certification
  CCNA, Cisco Systems Certification
  CISSP, International Information Systems Security Certification Consortium

J. Timothy Taylor, Ed.D., Professor, School of Education (Fall 1995)
  B.Mus.Ed., Bethany Nazarene College
  Graduate Study, University of Arkansas
  M.Ed., Northeastern Oklahoma State University
  Ed.D., Oklahoma State University

Betty Lou Thompson, M.A., Associate Professor, School of Education (Fall 1986)
  B.S., Bethany Nazarene College
  M.A., Bethany Nazarene College
  Advanced Graduate Study, University of Oklahoma

Rex Tullis, Ed.D., Professor/Chair, School of Education (Fall 1995)
  B.A., Marion College
  M.Ed., Indiana University
  Ed.D., Ball State University
  Ph.D., University of Kansas

Virgil Lee Turner, Ph.D., Professor/Chair, Department of Mathematics (Fall 1978)
  B.A., Olivet Nazarene University
  M.S., University of Iowa
  Graduate Study, Georgia Institute of Technology
  Ph.D., University of Oklahoma

James Galen Wilcox, M.A., Associate Professor, Department of English (Fall 1979)
  B.A., Northwest Nazarene College
  Graduate study, Nazarene Theological Seminary
  M.A., University of Missouri-Kansas City
  Graduate Study, Central State University
  Graduate Study, University of Oklahoma

Linda Patterson Wilcox, Ph.D., Professor, Department of Sociology (Fall 1993)
  B.S., Trevecca Nazarene College
  M.A., University of Missouri
  Ph.D., University of Oklahoma

Dennis Williams, Ph.D., Professor/Dean, College of Teaching & Learning (Spring 1994)
  B.A., Southern Nazarene University
  M.A., Texas Tech University
  Ph.D., Texas Tech University
Mark Winslow, Ph.D., Professor/Dean, College of Natural, Social and Behavioral Sciences (Fall 2004)  
B.S., Greenville College  
M.S., University of Kansas  
Ph.D., Kansas State University  

Ronald W. Wright, Ph.D., Professor/Chair, Department of Psychology and Counseling  
(1997-2002; Fall 2010)  
B.A., Mount Vernon Nazarene University  
M.A., Fuller Theological Seminary  
Ph.D., Fuller Theological Seminary  

Shawna York, Ph.D., Professor, Department of Chemistry (Fall 2012)  
B.S., Southern Nazarene University  
M.S., University of Oklahoma  
Ph.D., University of Oklahoma  

Alan B. Young, Ph.D., Professor/Chair, Dept. of Sociology/History, Politics & Geography (Fall 2006)  
B.A., University of Illinois at Urbana-Champaign  
M.Div., Trinity Evangelical Divinity School  
M.A., University of Illinois at Urbana-Champaign  
M.B.A., Southern Nazarene University  
Ph.D., University of Illinois at Urbana-Champaign  

Gina Weaver Yount, Ph.D., Associate Professor, Department of English (Fall 2006)  
B.A., Southern Nazarene University  
M.A., Rice University  
Ph.D., Rice University  

Randy Zabel, Ph.D., Assistant Professor, Institutional Research and Assessment (Fall 2011)  
B.S., Oklahoma State University  
M.A., University of Central Oklahoma  
Ph.D., University of Texas at Austin  

Wenqian Zhao, M.S.L.S., Assistant Professor, Library (Fall 2012)  
B.S., Beijing University of Aeronautics and Astronautics  
M.S., Southern Nazarene University  
M.S., University of North Texas  

Nicholas Zoller, Ph.D., Assistant Professor, Department of Mathematics (Fall 2009)  
B.A., Messiah College  
M.S., Lehigh University  
Ph.D., Lehigh University  

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George A. Biggs, M.S., Associate Professor of Business Emeritus (1979-2002)
Kenneth L. Bryant, Ph.D., Chair, Dept. of Modern Languages/Professor of Spanish Emeritus (1994-2005)
Thurman Coburn, Ph.D., Professor of Psychology Emeritus (1962-1986)
Marjorie Cole, M.S., R.N., Associate Professor of Nursing Emerita (1989-1995)
Chloe R. Findley, M.A., M.S., R.N., Retired Associate Professor of Nursing (1991-1998)
Leo R. Finkenbinder, Ph.D., Professor of Biology Emeritus (1968-2003)
Daisy Goulden, M.S., R.N., Assistant Professor of Nursing Emerita (1981-1996)
Cherrie Roberts Hampton, M.A., Retired Assistant Professor of Voice (1977-2005)
Vera M. Hance, Ph.D., Retired Associate Professor of Psychology (1995-2005)
Iris M. Harris, M.B.A., C.P.A. Assistant Professor of Accounting Emerita (1982-2006)
Gene Heasley, Ph.D., Professor of Chemistry Emeritus (1960-1999)
Robert Judd, Ph.D., Professor of Biology Emeritus (1968-1998)
Forrest E. Ladd, Ph.D., Professor of Psychology Emeritus (1955-1995)
Gary Lance, M.S., Associate Professor of Mathematics Emeritus (1968-2008)
Nila West Murrow, M.T., Associate Professor of Art Emerita (1968-1998)
Wayne L. Murrow, Ph.D., Dean, Graduate & Adult Studies/Professor of Speech Communication & Education Emeritus (1968-2002)

Joy E. Pauley, M.L.Sc., Assistant Professor of Library Science Emerita (1980 –2012)

Janice K. Reinbold, M.L.Sc., Associate Professor of Library Science Emerita (1975-2008)

Paul E. Reinbold, Ph.D., Professor of Chemistry Emeritus (1970-2008)

Anita Reynolds, Ed.D., Professor of Sociology Emerita (1967-1998)

Wanda M. Rhodes, P.E.D., Professor of Health and Human Performance Emerita (1962-1994)


Betty J. Ware, M.S., R.N., Associate Professor of Nursing Emerita (1980-1993)

Carolyn Waterman, M.A., Associate Professor of English Emerita (1979-2005)

Sharon Young, Ph.D., Professor of Biology Emerita (1968-2008)