

# Southern Nazarene University

## 2017-2018 UNDERGRADUATE ACADEMIC CATALOG



### **SOUTHERN NAZARENE UNIVERSITY**

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### **SNU-TULSA**

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“Our mission is to make Christlike disciples through higher education in Christ-centered community.”



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# Message From the President

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Welcome! Thanks for choosing Southern Nazarene University. We are here to serve you and are excited about your decision to seek a college degree. As a first-generation college student myself I needed lots of assistance. I am thankful for the faculty and staff that not only helped reduce the anxiety I felt in my pursuit of a college degree, but also instilled in me the confidence that earning my degree was possible. In the course of the coming weeks and months a caring team will partner with you for your successful completion of a degree.

University catalogues are an important tool of your educational journey. We hope the pages that follow will assist you as you plan and prepare for the future. Please don't hesitate to ask for assistance. We promise to be available to assist you every step of the way.

When I think about what awaits you in the future the visual that comes to mind is of doors, specifically doors of opportunity. You get to choose which ones you will open. We are praying for you as you take this next step on a life changing adventure.

Even now it is not too early to begin to imagine receiving your diploma and hearing the cheers of your family, friends, classmates, and the SNU community. It will be an exciting and life changing day, one that I look forward to with great anticipation.

Believing in you as you prepare to enter through these doors!



Dr. Keith Newman  
President  
Southern Nazarene University



# ACADEMIC PROGRAMS BY DEGREE

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

## **Associate of Arts Degree Programs**

Aviation  
Business  
Coaching  
Exercise Science  
General Studies

## **Bachelors Degree Majors**

Accounting (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)  
Community and Civic Engagement (BS)  
Computer Science (BS)  
Cultural & Communication Studies (BA)  
Early Childhood Education (BS)  
Education - Liberal Studies (BS)  
Elementary Education (BS)  
English-Literature, or Writing (BA)  
Environmental Studies (BS)  
Exercise Science (BS)  
Family Studies and Gerontology (BS) (Professional Studies)  
Finance (BS)  
Global Studies (BA)  
Graphic Design (BA)  
History (BA)  
International Business (BS)  
Management (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)  
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-athletic Training (BS)  
Pre-occupational and Pre-physical Therapy (BS)  
Psychology (BA/BS)  
Social Studies Education (BS)  
Sociology (BS)  
Software Development (BS)  
Sport Management/Sport Business (BS)  
Sport Management/Sport Communications (BS)  
Theology (BA)  
Worship Arts (BS)  
Youth Ministry (BS)

## **Minors**

Graphic Design  
Biblical Languages  
Biology  
Business  
Chemistry  
Children's Ministry  
Church Music  
Coaching  
Criminal Justice  
Cross-cultural Ministry  
Cultural & Communication Studies  
English  
Equine Studies  
History  
Mathematics  
Music  
Music Business  
Network Engineering  
Philosophy  
Physics  
Psychology  
Sociology  
Speech Communication  
Theology  
Urban Ministry  
Youth Ministry

## **Pre-professional Programs**

Allied Health  
Pre-athletic Training  
Pre-engineering  
Pre-health  
Pre-occupational Therapy  
Pre-optometry  
Pre-pharmacy  
Pre-physical Therapy  
Pre-seminary

# Chapter 1

## General Information

Our mission is to make Christlike disciples 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.

### IN THIS CHAPTER

**CATALOG INFORMATION**  
**STATEMENT OF NONDISCRIMINATION**  
**CONFIDENTIALITY OF STUDENT RECORDS**  
**DEFINING VALUES**  
**FOCUS ON EXCELLENCE IN ACADEMICS**  
**HERITAGE**  
**FOCUS ON CHRISTIAN COMMUNITY**  
**ACCREDITATIONS AND MEMBERSHIPS**  
**MAIN CAMPUS FACILITIES**  
**SNU-TULSA FACILITIES**  
**ACADEMIC CALENDAR**

## CATALOG INFORMATION

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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, 2017—June 30, 2018).
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

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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

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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

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### ***Mission***

Our mission is to make Christlike disciples through higher education in Christ-centered community.

### ***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 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 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	Stephen W. Nease, 1972-76
S.S. White, 1928-1930	John A. Knight, 1976-85
A.K. Bracken, 1930-42	Ponder W. Gilliland, 1985-89
S.T. Ludwig, 1942-44	Loren P. Gresham, 1989-2017
Oscar J. Finch, 1944-1947	J. Keith Newman, 2017-
Roy H. Cantrell, 1947-72	

## 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

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### *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 Counseling Psychology, Theology, Educational Leadership, and Sport Management Administration; Master of Business Administration; and Master of Science in Management and in Counseling Psychology.
- accredited by the Council for the Accreditation of Educator Preparation (CAEP).
- accredited by the Commission on Collegiate Nursing Education (CCNE).
- accredited by the Commission on Accreditation of Athletic Training Education (CAATE).
- accredited by the National Association of Schools of Music (NASM).
- 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 (CCCCU).
- a member of the Association for Continuing Higher Education (ACHE).
- member of the Council for Adult and Experiential Learning (CAEL).
- 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.

**The Beverly L. and Robert L. Parker 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.

**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 School 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.

**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 and ECHO and ARROW offices. 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.

**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 (Library)** houses the SNU Library, McNair Scholars Program, Fred Floyd Archives, Center for Student Success, LIFE, Testing Services, Faculty Resource Center and College of Teaching and Learning. In addition to its in-house collections, the library hosts electronic full-text access to a large number of databases. Books, and periodicals, and interlibrary loan service provides access to millions of books and periodicals throughout the world. Access to these

databases is available through the SNU Library's website (snu.edu/library). The Archives houses materials concerning the history of SNU, the Southcentral region of the Church of the Nazarene, the General Church of the Nazarene, and, informally, the City of Bethany. Housed on 1st floor is the Center for Student Success which provides a variety of academic support services. Testing Services provides proctors for Residual ACT exams, CLEP testing for course credit, MAT exams, Castle Tests (career specific exams), and other degree specific proficiency exams. The LRC 3rd floor is 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.

**J.D. & Mary West Science Laboratory**, built in 2014, as part of the multi-year, multiphase Campaign for the Sciences, is located south of the W. Don Beaver Science Hall. The 26,000 square foot building houses the offices and lab facilities for the Biology and Chemistry Departments of the Division of Science and Mathematics.

**W. Don Beaver Science Hall** is located just southeast of the Webster Commons. The Beaver Science Hall is the location for both graduate and undergraduate programs of the School of Nursing and the Division of Social and Behavioral Sciences. The facility also serves the undergraduate programs of the Math; Physics; Computer Science and Network Engineering Departments of the Division of Science and Mathematics. The Beaver Science Hall includes laboratory and classroom facilities for a variety of the natural, social, and health science programs.

**The Webster Commons** houses a variety of student services, including the SNU Dining, the 405 Café, conference rooms, University Store, the Student Health Services, Student Government Association offices, the Office of Spiritual Development, and the Office of Student Development (including Community Life, Counseling Center, Career Center, and Housing).

## SNU-TULSA CENTER

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Southern Nazarene University-Tulsa is a fully-staffed center located in south Tulsa's Post Rock Plaza at 8210 E. 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, refreshment area, and Testing Center. The SNU-Tulsa Center offers evening and weekend courses for adult learners in both graduate and undergraduate degree programs. It also offers Bridge as part of the OL, FSG, BA, NM and all other undergraduate degree completion plans.

## ACADEMIC CALENDAR — 2017-2018/2018-2019

### FALL SEMESTER — 2017

Admission Forms Deadline - See Web site ([www.snu.edu](http://www.snu.edu))  
 New Faculty Orientation, Aug. 15 (Tu)  
 Faculty Convocation & Workshop, Aug. 16 (W)  
 New Student Institute, Aug. 18-22 (F-Tu)  
 Registration, Aug. 22-23 (Tu-W)  
 Classes Begin, Aug. 23 (W)  
 Last Day to Enroll with no late fee, Aug. 23 (W)  
 Last day for new enroll/adds, Aug. 30 (W)  
 Labor Day Holiday - Campus Closed, Sept. 4 (M)  
 Fall Break, Oct. 12-13 (Th-F)  
 Last day to drop classes, Nov. 3 (F)  
 Board of Trustees Meeting, Nov. 8-10 (Th-F)  
 Alumni Homecoming, Nov. 10-11 (F-Sa)  
 Thanksgiving Break - No Classes, Nov. 22 (W)  
 Thanksgiving Break - Campus Closed, Nov. 23-24 (Th-F)  
 Winter Commencement (2 p.m.), Dec. 9 (Sa)  
 Final Exams, Dec. 11-14 (M-Th)  
 Semester Ends, Dec. 14 (Th)  
 Christmas Break - Campus Closed, Dec. 25 -Jan. 2 (M-M)

### SPRING SEMESTER — 2018

Admission Forms Deadline - See Web site ([www.snu.edu](http://www.snu.edu))  
 Faculty Workshop, Jan. 8 (M)  
 New Student Orientation, Jan. 8-10 (M-W)  
 Registration, Jan. 10-11 (W-Th)  
 Classes Begin, Jan. 11 (Th)  
 Last Day to Enroll (No Late Fee), Jan. 11 (Th)  
 Last Day for New Enrollment/Additions, Jan. 18 (Th)  
 Martin Luther King, Jr. Day, - No Classes, Jan. 15 (M)  
 Spring Break, Mar. 19-23 (M-F)  
 Last day to drop classes, March 23 (F)  
 Good Friday - Campus Closed, March 30 (F)  
 Easter Break - No Classes, March 30-April 2 (F & M)  
 Board of Trustees Meeting, May 10-11 (Th-F)  
 Final Exams, May 7-10 (M-Th)  
 Semester Ends, May 10 (Th)  
 Spring Commencement - 10 a.m. & 2 p.m., May 12 (Sa)

### SUMMER SESSIONS — 2018

Registration, May 11 & 14 (F & M)  
 Summer Session 1 - May 14 (M)– June 15 (F)  
 Memorial Day - Campus Closed, May 28 (M)  
 Independence Day - Campus Closed, July 4 (W)  
 Summer Session 2 - July 9 (M) - Aug. 10 (F)

### FALL SEMESTER — 2018

Admission Forms Deadline - See Web site ([www.snu.edu](http://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 enroll/adds, Aug. 29 (W)  
 Labor Day Holiday - Campus Closed, Sept. 3 (M)  
 Fall Break, Oct. 18-19 (Th-F)  
 Last day to drop classes, Nov. 2 (F)  
 Board of Trustees Meeting, Nov. 7-9 (Th-F)  
 Alumni Homecoming, Nov. 16-17 (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-M)

### SPRING SEMESTER — 2019

Admission Forms Deadline - See Web site ([www.snu.edu](http://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/Additions, 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 29 (F)  
 Good Friday - Campus Closed, April 19 (F)  
 Easter Break - No Classes, April 19 & 22 (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 — 2019

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)

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](http://www.snu.edu/academic-calendar)

# Chapter 2

## 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.

### IN THIS CHAPTER

**CHAPEL**

**INTERCOLLEGIATE ATHLETICS**

**RESIDENCE LIFE**

**STUDENT CONDUCT**

**STUDENT SERVICES**

## CHAPEL

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### *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, “to make Christlike disciples through higher education in Christ-centered community.” 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.

For other important information about Chapel, please go to the SNU main Web site:

**<http://snu.edu/chapel-information>**

## INTERCOLLEGIATE ATHLETICS

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As of 2014, Southern Nazarene University has been accepted into the National Collegiate Athletic Association (NCAA) Division II Membership. SNU has also been granted a membership with the Great American Conference.

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](http://www.snuathletics.com).

## RESIDENCE LIFE

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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 by SNU Dining. 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 policies 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

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

## STUDENT SERVICES

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### *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](mailto:studenthealth@snu.edu).

### ***Renew Counseling Center***

College life is exciting, but at times can become overwhelming, due to daily pressures, life situations, or a crisis. RENEW Counseling Center is here to provide help and hope. RENEW offers the opportunity for students to pursue wholeness, healing, and support. RENEW is staffed by licensed clinicians, master level candidates for licensure, and graduate level interns. The Renew Counseling Center is located in the Webster Commons.

### ***Leisure Services***

The Leisure Services program is provided in conjunction with the School 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 Learning Resource Center (Library) both provides space that supports the SNU community's academic and social interactions as well as provides the SNU community with a number of academically valuable services, the most important being research consultation and assistance. To that end, the Library also curates and disseminates materials for academic research, including millions of books, articles, newspapers, industry reports, etc. For information about the services the Library provides, go to [www.snu.edu/library](http://www.snu.edu/library)

### ***Testing Services***

Testing Services provides proctors for Residual ACT exams, CLEP testing for course credit, MAT exams, Castle Tests (career specific exams), and other degree specific proficiency exams.

Disability Testing is scheduled and given by the disability office. Please contact them at 717-6272 to discuss the possibility of testing accommodations.

## **CENTER FOR STUDENT SUCCESS**

The Center for Student Success 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, and LIFE-Student Support Services.

Center for Student Success 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.

### ***LIFE—Leadership, Integrity, Friendship and Education***

LIFE is fully funded by a federal grant through the U.S. Department of Education (TRIO Programs). In order to qualify for LIFE 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 LIFE 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

# Chapter 3

## 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

CONDITIONAL 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

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## PROCEDURES FOR TRADITIONAL STUDENT ADMISSION

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Application for admission begins by completing processes on the admission checklist found on the SNU Web site at [www.snu.edu/checklist](http://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 Admissions to be eligible for enrollment. 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.

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## FULL ADMISSION FOR FRESHMEN

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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 institutional rating of 62 or above. Institutional Rating is a score calculated by combining high school GPA with ACT or SAT score. Those with an institutional rating of less than 62 will be conditionally admitted according to the provisions listed below.

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## CONDITIONAL ADMISSION FOR FRESHMEN

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Conditional admission may be granted to those who have an Institutional Rating of less than 62. SNU's Institutional Rating is a score calculated by combining high school GPA with ACT or SAT score. Those entering conditionally 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. Conditionally admitted students are also placed on academic warning 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 conditional admission status must be submitted in writing by the petitioning applicant to the Center for Student Success.

The academic performance of conditionally 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 1.50 semester GPA for the first semester and at least a 2.00 *cumulative* GPA by the end of the second full traditional semester.
- the student has fulfilled any further requirements of conditional 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 Student Success.

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## HOME-SCHOOL/GED ADMISSION FOR FRESHMEN

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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 institutional rating of 62 or above. Otherwise, admission will be conditional.

## 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

A transfer student is any student who enrolled in a post-secondary institution after graduating from high school (but not including the immediate summer after graduation). 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 conditionally.

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 Conditional Admission*

Conditional 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 warning or probation so that appropriate support, accountability, and monitoring can be provided through the Center for Student Success.

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 conditional admission to SNU by submitting a written request to the Dean of the College of Teaching and Learning.

The academic performance of conditionally 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 meets GPA requirements according to the policy on Academic Warning, Probation and Suspension as outlined in this catalog.
- the student has fulfilled any further requirements of conditional 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 Student Success.

### ***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 non-accredited institutions must be submitted in writing to the Dean of the College of Humanities and Education 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**

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Requests for admission information for international students should be addressed to the Office of Admissions. Information detailing the admission requirements will be sent to the prospective student. Demonstration of English proficiency is required through a qualifying score.

## **VETERAN ADMISSION**

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Veterans are required to meet the University’s traditional or adult program admissions requirements. Copies of official United States military records detailing educational achievements during service must be evaluated using The Guide to the Evaluation of Educational Experience in the Armed Forces issued by the American Council on Education (ACE). The University will accept ACE recommended credits up to the number of Elective and/or General Education credit hours each Veteran needs to fulfill graduation requirements. Credit hours listed on regionally-accredited official transcripts will be accepted pursuant to the University’s transfer acceptance policies. Military training that is not recommended by ACE must be petitioned for potential credit through the Professional Studies Prior Learning Assessment program during the Veterans’ SNU tenure.

## **SCHOOL OF PROFESSIONAL STUDIES ADMISSION**

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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.

# Chapter 4

## 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 Business and Finance.
- 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.

## IN THIS CHAPTER

ACADEMIC ADVISING

ACADEMIC CLASSIFICATION

CHANGES IN REGISTRATION

COURSE AND CREDIT INFORMATION

COURSE SCHEDULES

COURSE LOAD PARAMETERS

SUMMER TERM

ONLINE LEARNING POLICIES

STUDY ABROAD

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## ACADEMIC ADVISING

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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 through the students planning feature on the SNU portal. The student planning feature provides current information on courses the student has completed, courses yet to be taken, and progress toward graduation requirements. It also interfaces with other university systems to provide current information on prerequisites, course descriptions, and closed course sections.

### **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 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 REQUIREMENTS**

A student working for a degree at SNU normally is subject to the degree requirements of the catalog under which the student matriculated. 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.

### **PROGRAM PLANNING FOR GRADUATION**

Each student at the university has an electronic program plan for requirements for graduation. Students working with their faculty advisor may complete a graduation plan through this system. In creating this plan the following should be included:

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 toward graduation, so that all requirements can be met and that are essential to accurate record keeping and approval to participate in Commencement activities. (see Application for Graduation). A student can request a review at any time electronically to see their progress toward graduation. Registrar's office reviews all apps for graduation to ensure all requirements have been met.

### **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 and will be used to determine which requirements remain for the student before graduation.

### ***Application for Graduation***

Degree candidates are required to meet with their respective faculty advisors to verify information accuracy and remaining requirements outlined in their program planning. Once verified, both student and advisor should make application for graduation with 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 for traditional students 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), DANTES Subject Standardized Tests (DSST), Advanced Placement program (AP), and the International Baccalaureate program (IB).

For students in traditional programs, advanced standing credit for freshman-level courses must be submitted and verified through the Office of the Registrar 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. For students in traditional programs at SNU, a total of up to 30 college credit hours is available through various forms of testing (CLEP, DSST, AP, departmental proficiency exams). 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 in traditional programs 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, AP or other advanced placement 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 through the Professional Studies Prior Learning Assessment program. Credit hours earned via CLEP, DSST, AP, and IB are recorded on the non-traditional students' transcript prior to or during their programs.

### **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 services at a convenient location, with the results sent to SNU (code 6036). For more information, contact Testing Services (LRC 3rd floor, 405-491-6694) For Testing Center Services in Tulsa, please call 918-664-4100.

### **DANTES SUBJECT STANDARDIZED TESTS (DSST)**

DSST exams are American Council of Education (ACE)-recommended tests covering lower and upper

division baccalaureate courses in a plethora of subject areas. Quite often, DSST exams are utilized by veterans who receive funding through Defense Activity for Non-Traditional Education Support (DANTES).

### **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 on the basis of ACT scores. Courses where minimum ACT requirements are necessary include: Composition I, Composition II, and College Algebra. Additional courses may be required which include: Prep for College Algebra, University Study Strategies, Critical Thinking Strategies, and Reading Strategies.

### **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 Services.

### **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 Division of Cultural & Communication Studies 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:

#### **Classification    Credit Hours Completed**

Freshman	0-23
Sophomore	24-56
Junior	57-89
Senior	90 or more

### ***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. 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 the student planning feature through SNU portal, it must be verified with the Office of the Registrar. Financial adjustments must be made with the Office of Financial Affairs.

## **CHANGES IN REGISTRATION (DROP/ADD POLICIES)**

### ***Add Classes***

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

#### **Term      No permission required to add**

16-week	First full week
8-week	First 3 days
4-week	First 2 days
2-week	First 2 days
1-week	First day

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 10<sup>th</sup> 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 10<sup>th</sup> week of the term without special permission from the college dean.

Transcript records for course changes will be as follows:

<b><u>Term</u></b>	<b><u>Course dropped with no transcript record</u></b>	<b><u>Course dropped with a 'W'</u></b>
16-week	Week 1 - Week 5	Week 6 - Week 10
8-week	Week 1 - Week 2	Week 3 - Week 6
4-week	Week 1	Week 2 - Week 3
2-week	Days 1 - 2	Day 3 - Day 7
1-week	Day 1	Day 2 - Day 3

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 Center for Student Success. 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. The student should consider visiting with a

faculty advisor or with someone in Center for Student Success prior to making a final decision to cancel enrollment. All cancellation/withdrawal forms need to be signed by the Associate Dean of the Center for Student Success.

## **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 on the student planning feature.

### ***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 are charged at a different rate and will include all course fees.

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 the student planning feature.

### ***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 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. Conditionally-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.

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

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. Typically summer terms are six weeks in length. 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.

### *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**

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### ***Registration***

New students must complete an application for admission to the University. Once the application is submitted, students will be contacted by an admission counselor to complete the admissions checklist in preparation for class enrollment.

Students who were not enrolled in the previous semester must complete a re-application with the Office of Admissions. Once the application is submitted, students will be contacted by an admission counselor to complete the admissions checklist in preparation for class enrollment.

Current students should contact their academic advisor for class enrollment.

Full time, online students may enroll in six credit hours per session for a total of 12 credit hours per semester. Full time, residential students may enroll in one online course per session for a total of six credit hours per semester.

### ***Refund and Withdrawal Policy***

To be eligible for any refund, a student must complete the appropriate withdrawal procedure by immediately contacting the Registrar via email at registrar@snu.edu. 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](http://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 Global Studies program in the Spanish 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](http://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](http://www.ausable.org).

### **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)**

#### ***Army ROTC***

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/>.

### ***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

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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 Business and Finance 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.

# Chapter 5

## Academic Policies

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).

### IN THIS CHAPTER

**CLASS ATTENDANCE**

**GRADES AND GRADING POLICES**

**GRADE APPEAL PROVISION**

**ACADEMIC REPRIEVE**

**COMPUTER USE AND ETHICS**

**ACADEMIC INTEGRITY**

**ACADEMIC PROBATION AND ELIGIBILITY**

## CLASS ATTENDANCE

In compliance with federal regulations, attendance will be taken in all classes. 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 Center for Student Success may be sent. If the student has been warned and the attendance problems continue, the student may be withdrawn from the class.

For adult students in Professional Studies courses, attendance is required for all sessions of all Professional Studies modules. Attendance for land courses is taken at the beginning of each module session. Attendance for online courses is determined by participation as defined by the course syllabi. However, if an unavoidable absence occurs, the student is responsible to work directly with the module instructor for all assignments for the module, in addition to any makeup work. The current instructor and Academic Advisor should be emailed and/or called as soon as possible before class day/time. Students in land classes are considered tardy if they arrive 20 or more minutes after 6 p.m. class start time. Tardiness constitutes an absence. If a student leaves 20 or more minutes before formal dismissal by an instructor in a land class, that student is considered absent for that session. A grade of "A" for the module cannot be earned unless the learning outcomes for the missed class are met. Makeup assignments will be determined at the discretion of the instructor. Consequently, an instructor may determine that a makeup assignment is not applicable.

Two or more absences in one Professional Studies course constitute excessive absences. If a second absence occurs in one course, the student will be notified and advised to contact his/her Program Director. If the Program Director deems the student's circumstances to be such that the student could successfully complete that particular course, the student will be allowed to work with the instructor to complete the missed assignments and other work to meet course outcomes. If the Program Director finds the circumstances will not permit the student to successfully complete the course, or if the student fails to contact his/her Program Director within one week of the second absence, the student will be academically withdrawn from the course.

### ***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 (i.e. T-TH, 4, M-W-F, 6). 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.

### ***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 Center for Student Success 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.

### **Military Members/Veterans**

Should a military member be called to active duty or other military service during a course, the member will be withdrawn effective the last date of attendance. The withdrawal will also be annotated in Veterans Affairs Office once by the University's School Certifying Official, in which the military member may have to provide proof of deployment to the Department of Veterans Affairs Office to avoid unnecessary charges/debt. The instructor of that course, working with the Program Director, will have the choice of issuing an "Incomplete" grade or the current grade earned in the course. Any payments from The Department of Veterans Affairs Office received by the University will be processed in the following manner: A determination will be established from the Program Director and approved by the Department Chair if the student will retain the current grade or if a grade of Incomplete will be given. This determination will be in accordance with the current withdrawal policy and with the best interest of the student/service member considered. A student that has been withdrawn due to a military deployment will have the option to retake the course at a later date, and a tuition waiver or grade change will be issued. The tuition waiver allows the student to retake the course at no-charge. If the student does not return to retake the course, the current withdrawal policy stands. Upon re-entry to coursework, the military member should contact his/her advisor, financial aid counselor, and the School Certifying Official if Veterans Education Benefits are being used. The advisor will create a new plan of study and the military member will be re-admitted to an appropriate course. The financial aid counselor will work with the military member to advise them of any funding that needed to be returned due to deployment and on future financial aid options available to them upon re-admittance.

### ***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**

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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:

Grade	Grade points per credit hour
A	4.00
A-	3.67
B+	3.33
B	3.00
B-	2.67
C+	2.33
C	2.00
C-	1.67
D+	1.33
D	1.00
D-	0.67
F	0.00

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. 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, the college dean in collaboration with a dean outside the college will request information 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 convened by the outside dean and a recommendation is made to either grant the appeal or leave the grade as originally recorded. Final determination rests with the outside dean. Questions concerning the grade appeal process should be referred to the outside dean.

## **ACADEMIC REPRIEVE**

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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 Reprieve 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**

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### ***Policies***

This Computer Use and Ethics policy relates to use of all computers, computer systems, and networks operated through SNU by students, employees, or guests for any purpose.

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 Provost.

## ***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 Center for Student Success through the Moodle ILP block, which generates an academic violation record in the student's file. The first violation for a student results in consequences per the course syllabus. A second violation during the student's academic career at SNU initiates a series of remedial steps, including meeting with the student's Dean. The student is placed on Academic Integrity Probation. For a third violation, action will be initiated under provisions of the judicial code with the Office of Student Development and may lead to suspension or dismissal of the student from SNU.

## ACADEMIC WARNING, PROBATION AND SUSPENSION

*If you are a conditionally admitted freshman or transfer, please also refer to section Conditional Admission in this catalog.*

### ***Academic Warning, Probation and Suspension:***

Students who make less than satisfactory academic progress or are conditionally admitted will be identified as being on Academic Warning, Probation, or Suspension as defined below. In the chart below, cumulative hours attempted refers to the attempted hours used to calculate the cumulative GPA, and appears on the unofficial transcripts on as hours attempted.

<b>Cumulative Hours Attempted (GPA Hours)</b>	<b>Academic Warning</b>	<b>Probation</b>
Up to 30 credit hours	Less than 2.00 Institutional or Cumulative GPA	Less than 1.50 Institutional or Cumulative GPA
31 to 45 credit hours	Less than 2.0 Institutional or Cumulative GPA	Less than 1.75 Institutional or Cumulative GPA
46 to 60 credit hours	Less than 2.00 Institutional or Cumulative GPA	Less than 1.90 Institutional or Cumulative GPA
61 or more credit hours	Less than 2.00 Institutional or Cumulative GPA	Less than 2.00 Institutional or Cumulative GPA

**ACADEMIC WARNING:** This status applies to students with less than a 2.00 institutional or cumulative GPA on less than 61 cumulative hours attempted. It alerts students who are in danger of being put on academic probation, and does not carry any restrictions. Students in this status will meet with an advisor in the Center for Student Success and be directed to additional resources (tutoring, academic coaching, financial literacy, etc.) to which they may choose to avail themselves.

In addition, first time transfers with a cumulative GPA of at least 2.0 and an institutional GPA of at least 1.5 in their first semester at SNU will be placed on Academic Warning, not Academic Probation.

**ACADEMIC PROBATION:** This status applies to students who have an institutional or cumulative GPA below the prescribed minimum for cumulative hours attempted. Academic Probation is removed only at the end of a semester in which the cumulative GPA meets that required. A student may enroll for summer course work at SNU to raise the cumulative GPA enough to be removed from Academic Probation for the fall semester.

Students on Academic Probation are limited to 16 credit hours and are not eligible to represent the University in any extracurricular activities, such as, but not limited to, athletics, cheerleading, dramatic productions, international programs, SNL and student publications. Representing the University includes public performances and trips but not regular meetings and practices.

Students placed on academic probation are required to develop accountability and monitoring plans. These students will meet with a Student Success Advisor and sign an academic probation recovery plan that outlines the semester's minimum probation requirements. This would include but not be limited to regular individual meetings with an academic success advisor and participation in structured methods of group accountability or LIFE peer mentoring. Students on probation are expected to fulfill the provisions of their academic recovery plan in order to continue enrollment at SNU. If they do not do so, their enrollment may be discontinued.

Students on Academic Warning or Academic Probation are encouraged to repeat courses in which they have earned a grade of "D" or "F" as the fastest way to raise their GPA.

**ACADEMIC SUSPENSION:** Failure to remove Academic Probation by the end of the next semester results in Academic Suspension. However, no student will be suspended at the end of a term in which a 2.25 semester GPA has been attained. The University may also academically suspend any student who fails to earn a semester GPA of at least 1.00 during a given semester.

The first academic suspension is for one semester (not counting summer); the second academic suspension is for two semesters (not counting summer); subsequent academic suspensions are for an indefinite period of time.

**APPEALS:** An Appeal of Academic Suspension can be made to the Provost. For more information, contact the Office of Academic Affairs, Bresee Hall. The Student Success Committee will hear the appeal. A decision that results in an override allowing the student to register for the next term does not remove the status of suspension.

Students on disciplinary suspension may not appeal academic suspension.

**REINSTATEMENT:** Reinstatement after Academic Suspension requires readmission through the Office of Academic Affairs and completion of an academic recovery plan with a student success advisor. A reinstated student will be on Academic Probation.

Students on Academic Suspension following the spring semester may appeal their suspension and be approved by the Student Success Committee for a program of summer courses as a part of an academic recovery plan, and if satisfactory progress is achieved, they may be readmitted for the fall semester.

Courses taken at other schools by students on Academic Suspension may not be accepted for credit at SNU. Students on suspension must get approval from Center for Student Success to enroll in courses outside of SNU.

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).

### **VETERAN/ACTIVE DUTY MILITARY STUDENTS:**

Veteran or military member students are bound by the same Academic Warning, Probation, Suspension, Appeal, and Reinstatement system as non-military students. However, if a veteran or military member fails to earn a semester GPA of at least 1.0 during a given semester, the University will academically suspend the student.

# Chapter 6

## **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.

### **IN THIS CHAPTER**

**ACADEMIC ORGANIZATION**

**ACADEMIC SUPPORT CENTERS AND PROGRAMS**

**DEGREE REQUIREMENTS**

**GENERAL EDUCATION**

**ACADEMIC HONORS AND AWARDS**

## ACADEMIC ORGANIZATION

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### ***Administrators***

Keith Newman, Ed.D., University President  
 Melany Kyzer, J.D., University Provost  
 Michael Redwine, Ed.D., Vice President for Student Development & Enrollment Services  
 Scott W. Strawn, Ed.D., Vice President for Business and Finance  
 Terry Toler, Ed.D., Vice President for Church Relations

### ***Colleges***

#### **COLLEGE OF HUMANITIES AND EDUCATION**—*Steve Betts, Ph.D., Dean*

Division of Cultural and Communication Studies  
 School of Education  
 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 Law*  
   *Department of Psychology and Counseling*  
   *Department of Sociology*  
 School of Kinesiology  
 School of Nursing  
 Honors Program

#### **COLLEGE OF PROFESSIONAL AND GRADUATE STUDIES AND BUSINESS** - *Kristin Jasper, C.P.A.,*

*M.B.A., Vice-Provost*  
 School of Business  
 School of Graduate Studies  
 School of Professional Studies

#### **COLLEGE OF TEACHING AND LEARNING** -*Melany Kyzer, J.D., Provost*

Registrar  
 Library  
 Grants

#### **INSTITUTIONAL EFFECTIVENESS** - *Dennis Williams, Ph.D., Vice-Provost*

Assessment and Program Review  
 Faculty Development  
 General Education Program  
 Faculty Resource Center  
 Testing Services

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## ACADEMIC SUPPORT CENTERS AND PROGRAMS

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### ***Center for Student Success***

See Center for Student Success section in Chapter 2 of the catalog.

### ***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](http://www.snu.edu/study-abroad).

### ***Department of Athletics***

For more information, see Intercollegiate Athletics and/or [www.snuathletics.com](http://www.snuathletics.com)

### ***Quetzal Education Research Center***

For more information, see Study Abroad and Department of Biology sections of the catalog.

### ***R.T. Williams Learning Resource Center (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](http://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](http://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](mailto:mcnair@snu.edu). Information and a

downloadable application can be found at [www.snu.edu/mcnair](http://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 the Web site at [www.ziglarcenter.com](http://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, 15 credit hours must be earned from SNU (in residence) and a minimum of 15 credit hours must be completed at the sophomore level or above. To become a candidate for any associate degree, the student must have a minimum of 15 hours earned at SNU. The 15 credit hours needed to meet graduation requirements or program completion must be taken at SNU. No more than 9 upper-division 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 course work.

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

Course Number	Course Title	Credit Hours
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### FOUNDATION

Students must complete the following foundation courses:

ENGL 1113	Composition I	3
ENGL 1213	Composition II	3
SP C 1133	Introduction to Speech	3
CSNE 1113	Integrated Software Appl	3
GS 1413	Aesthetic Analysis	3
THEO 1513	Christian Faith and Life	3
PEG 1002	Health and Wellness	2
HP 1513	Modern Word	3

Select one of the following (3 credit):

SOC 1113	Introduction to Sociology
PSY 1113	General Psychology
PHIL 2013	Introduction to Philosophy
MATH 1113	Math Concepts: Discrete Math
MATH 1123	Math Concepts: Geometry & Topology
MATH 1133	Math Concepts: Probability & Statistics
MATH 1143	Math Concepts: Math Structures
MATH 1513	College Algebra

Select one of the following (3 credit):

HP 1483	US History I
HP 1493	US History II
BADM 1113	Ethics and Business Principles
HP 1113	American Federal Government
BIOL 1013	Environmental Sustain & Resilience

### GENERAL EDUCATION ELECTIVE

Personal Development ( <i>any approved General Education Course</i> )	3
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### 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. The baccalaureate degree is composed of a specialized program of study and general education. A number of programs require more than the minimum to complete. The programs of study for students conditionally 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:

- **ADMISSION**—To become a candidate for a degree, all admission requirements of SNU must be satisfied.
- **RESIDENCE CREDIT**—To become a candidate for any baccalaureate degree, the student must have a minimum of 30 credits earned at SNU. Fifteen of the last 30 credits needed to meet graduation requirements or program completion must be taken at SNU. Additionally, a minimum of 15 credits of the student's major or concentration must be completed at SNU. Additional credits earned at SNU may be required by a department/school to complete a degree.
- **UPPER DIVISION CREDIT**—Forty credits must be in courses numbered 3000 or above. Any exceptions require approval of the Office of Academic Affairs.
- **GRADE POINT AVERAGE**—To receive a degree, the candidate must have a cumulative GPA 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 page of this catalog. The General Education CORE is a minimum requirement serving the liberal arts objectives of SNU. A number of the degree curricula include other general courses in addition to the minimum basic requirements. Any exceptions to the designated general education program must be recommended by the director of General Education and approved by the appropriate dean.

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

### **COMMENCEMENT AND DEGREE-GRANTING**

SNU grants traditional degrees in August, December and May of each academic year. Non-traditional degrees are granted monthly. 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.

### **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 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 (6-14 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. Two patterns for the major are provided, making it possible for the student to concentrate in 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.

## **GENERAL EDUCATION**

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**

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### ***Honors Program Outcomes***

The Honors Program graduate will be able to:

- Evaluate their own worldviews as well as those of other people, recognizing the different life experiences and social contexts that create these perspectives
- Make applications of disciplinary knowledge across disparate disciplines
- Apply academic knowledge to solve real-world problems or fill real-world needs
- Identify as a part of a network of motivated student-scholars and scholarly mentors
- Apply to and be accepted into graduate or professional school if so desired

### ***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-semester 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**

<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>
<b>General Education Foundation Courses</b>		
HON 1111	Honors Gateway	1
HON 2113	Honors Academic Writing: Research	3
HON 1113	Honors Psychology	3
HON 3213	Honors Logic & Problem Solving	3
HON 2123	Honors Professional Speaking	3
<b>General Education Windows Courses*</b>		
HON 3113	Honors Interdisciplinary Seminars (taken twice)	6
<b>General Education Electives</b>		
HON 3211-2	Honors Intercultural Practicum	1-2
HON 4111-2	Honors Thesis/Project <b>or</b> Sr. Thesis/Capstone Project in major	1-2
Additional Honors elective(s) to bring Honors coursework total to 24		
<b>Honors Program Credit Hours</b>		<b>24</b>

- 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**

<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>
<b>General Education Foundation Courses</b>		
HON 1111	Honors Gateway	1
HON 2113	Honors Academic Writing: Research	3
HON 3213	Honors Logic & Problem Solving	3
<b>General Education Windows Courses</b>		
HON 3113	Honors Interdisciplinary Seminar	3
Electives	General Education Windows course + Honors contract	7+
<b>General Education Electives</b>		
HON 4111	Honors Capstone (Thesis/Project <b>or</b> Sr. Thesis/Capstone Project in major and Intercultural Project)	1
HON 4112	Honors Capstone (Thesis/Project <b>or</b> Sr. Thesis/Capstone Project in major and Intercultural Project)	2
Additional Honors elective(s) to bring Honors coursework total to 24		

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

**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 (Christian Faith & Life, etc.)

**ACADEMIC HONORS AND AWARDS*****Graduation Honors*****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 3.50 on a first semester full time load and rank in the top 20% of the class. Members are active in the sophomore year.

### **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 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.

# Chapter 7

## 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](http://www.snu.edu/financial-undergrad)**

### IN THIS CHAPTER

**TUITION/FEES (Traditional)**

**FINANCIAL ASSISTANCE**

**SATISFACTORY ACADEMIC PROGRESS**

## 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).

### *On-campus Students*

<b>\$24,420</b>	Block Tuition (12-17 Credit Hours)
<b>Included</b>	Laptop Computer *Dell Latitude 3470. Upgrades available at an additional cost
<b>\$9796</b>	Room & Board (Semi-private, Resident Hall meal plan with \$125 flex)
<b>\$768</b>	General Fee/Health Fee
<b>\$34,984</b>	<b>Yearly Total</b> (Semester charges will be 1/2 of this amount)

### *Off-campus Students*

<b>\$24,420</b>	Block Tuition (12-17 Hours)
<b>Included</b>	Laptop Computer *Dell Latitude 3470. Upgrades available at an additional cost
<b>\$768</b>	General Fee/Health Fee
<b>\$25,188</b>	<b>Yearly Total</b> (Semester charges will be 1/2 of this amount)

Due to the individualized nature of these expenses, books, personal expenses, individual class fees, and travel are not included in these totals.

**Important Note:** Current practices have allowed students who wish to live off campus and are under the age of 22 to apply for off campus housing.

## 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](http://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.

## FINANCIAL ASSISTANCE 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), TEACH Grant, Work-Study, Perkins Loan, Direct/Stafford Student Loan, Parent Loan, Oklahoma Tuition Aid Grant (OTAG), Oklahoma Tuition Equalization Grant (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:

	<u>Undergraduate</u>
Full-time student	12 hrs/sem (24/yr)
Three-quarter time student	9 hrs/sem (18/yr)
Half-time student	6 hrs/sem (12/yr)

Grades that will not be considered as completed credit hours include the following: F-Failing grade,

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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-assistance>.

# Chapter 8

## 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.*

### IN THIS CHAPTER

#### ACADEMIC PROGRAMS BY COLLEGE

College of Teaching and Learning

College of Humanities and Education

College of Natural, Social and Health Sciences

College of Professional and Graduate Studies  
and Business

#### PRE-PROFESSIONAL PROGRAMS

## ACADEMIC PROGRAMS BY COLLEGE

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### COLLEGE OF TEACHING AND LEARNING

#### MINOR

Equine Studies

### COLLEGE OF HUMANITIES AND EDUCATION

#### DIVISION OF CULTURAL & COMMUNICATION STUDIES

#### MAJORS

Cultural & Communication Studies  
 Community and Civic Engagement  
 English: Literature or Writing  
 Graphic Design  
 Mass Communication

#### MINORS

English  
 Graphic Design  
 Speech Communication

### SCHOOL OF EDUCATION

#### MAJORS

Biology Education (*see Department of Biology*)  
 Chemistry Education (*see Department of Chemistry*)  
 Early Childhood Education  
 Education: Liberal Studies  
 Elementary Education  
 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 School of Kinesiology*)  
 Physics Education (*see Department of Physics*)  
 Social Studies Education (*see Department of History, Politics and Law*)

### SCHOOL OF MUSIC

#### MAJORS

Music (B.A.)  
 Music (B.S.)  
 Music Business Emphasis  
 Performance Emphasis  
 Instrumental Concentration  
 Keyboard Concentration  
 Vocal Concentration  
 Worship Arts Emphasis  
 Music Education (B.M.E.)  
 Instrumental Concentration  
 Vocal Concentration

#### MINORS

Church Music  
 Music  
 Music Business

### 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  
Biology Education

**MINOR**

Biology

***DEPARTMENT OF CHEMISTRY***

**MAJORS**

Biology-Chemistry *(see Department of Biology)*  
Chemistry  
Chemistry Education

**MINOR**

Chemistry

***DEPARTMENT OF COMPUTER SCIENCE/NETWORK ENGINEERING***

**MAJORS**

Computer Science  
Network Engineering  
Software Development

**MINOR**

Network Engineering

***DEPARTMENT OF MATHEMATICS***

**MAJORS**

Mathematics  
Mathematics Education

**MINOR**

Mathematics

***DEPARTMENT OF PHYSICS***

**MAJORS**

Physics  
Physics 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 LAW****MAJORS**

History  
 Global Studies  
 Politics and Law  
 Social Studies Education

**MINORS**

History

**DEPARTMENT OF PSYCHOLOGY AND COUNSELING****MAJORS**

Psychology

**MINOR**

Psychology

**DEPARTMENT OF SOCIOLOGY****MAJORS**

Sociology

**MINORS**

Criminal Justice  
 Sociology  
 Urban Ministry (*see School of Theology and Ministry*)

**SCHOOL OF KINESIOLOGY****MAJORS**

Exercise Science  
 Pre-occupational Therapy  
 Pre-physical Therapy  
 Pre-athletic Training  
 Physical Education - P-12  
 Physical Education - Sports and Leisure  
 Sport Information  
 Sport Management/Sport Business  
 Sport Management/Sport Communication

**MINOR**

Coaching

**SCHOOL OF NURSING****MAJORS**

Nursing

**COLLEGE OF PROFESSIONAL AND GRADUATE STUDIES AND BUSINESS****SCHOOL OF BUSINESS****MAJORS**

Accounting  
 Aviation -Business  
 Business Administration  
 Business Administration/Pre-law  
 Business Multidisciplinary  
 Finance  
 International Business  
 Management  
 Marketing

**MINOR**

Business

## ***SCHOOL OF PROFESSIONAL STUDIES***

### **PROGRAMS**

Business Administration (BS/BA) (Online and on land)  
Family Studies and Gerontology (FSG)  
Network Management (NM) (Online and on land)  
Organizational Leadership (OL) (Online and on land)

## **UNSPECIFIED COLLEGE PROGRAMS**

### **PRE-PROFESSIONAL PROGRAMS**

Allied Health  
Pre-athletic Training  
Pre-engineering  
Pre-health  
Pre-occupational Therapy  
Pre-optometry  
Pre-pharmacy  
Pre-physical Therapy

## COLLEGE OF TEACHING AND LEARNING

**Dennis Williams, Ph.D., Professor/Vice-Provost & Dean, College of Teaching and Learning** (Spring 1994)

B.A., Southern Nazarene University

M.A., Texas Tech University

Ph.D., Texas Tech University

### *College of Teaching and Learning 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.

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

## COLLEGE OF HUMANITIES AND EDUCATION

**Steve Betts, Ph.D., Professor/Dean** (2001-2011 & Fall 2015)

B.A., MidAmerica Nazarene University

M.M., Wichita State University

Ph.D., University of Oklahoma

### *College of Humanities and Education Learning Outcomes:*

The College of Humanities and Education prepares all students in the university generally to 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.
- Evaluate artistic expressions, including the fine arts, music, drama, literature, media, and human movement (i.e., dance, sports) through the use of aesthetic theories.
- 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.

Additionally, students graduating with a major in the College of Humanities and Education are prepared for professional employment and/or graduate education in their chosen fields.

## DIVISION OF CULTURAL AND COMMUNICATION STUDIES

*Department of Art & Design*

*Department of English*

*Department of Speech Communication*

### *Division Full-time Faculty*

**Michelle Bowie, M.A., Assistant Professor, Department of English** (Fall 2011)

B.A., Southern Nazarene University

M.A., Southern Nazarene University

Graduate Study, Oklahoma State University

**Pamela Bracken, Ph.D., Professor** (Fall 1994)

B.A., Bethany Nazarene College

M.A., Southern Nazarene University

Ph.D., Catholic University of America

**Pamela S. Broyles, Ph.D., Professor** (Fall 1979)

B.A., Bethany Nazarene College

M.Ed., University of Oklahoma

Ph.D., University of Oklahoma

**Phyllis Eagle, B.A., Associate Professional Specialist** (Fall 2016)

B.A., University of Central Oklahoma

**Gwen Ladd Hackler, Ph.D., Professor/Director, Academic Grants** (Fall 1983)

B.A., Bethany Nazarene College

M.A., University of Kansas

Ph.D., University of Kansas

**Jimmie D. Smith, M.A., Associate Professor** (1987-1989; Fall 1991)

B.A., Bethany Nazarene College  
 M.A., Bethany Nazarene College  
 Ph.D. coursework, University of Oklahoma

**Sheila J. Stout, M.A., M.A.F.T., Associate Professor/Chair, Division of Cultural and Communications** (Fall 1999)

B.A., Southern Nazarene University  
 M.A., Southern Nazarene University  
 M.A.F.T., Southern Nazarene University  
 Graduate Study, Oklahoma State University

**Gina Weaver Yount, Ph.D., Associate Professor/Director, Honors Program** (Fall 2006)

B.A., Southern Nazarene University  
 M.A., Rice University  
 Ph.D., Rice University

***Division 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.

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). 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.

***Majors*****CULTURAL AND COMMUNICATION STUDIES DISCIPLINARY MAJOR BA**

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 division chair or Dean of the College of Humanities and Education.

***Learning Outcomes***

The graduate in Cultural and Communication Studies will be able to:

- Articulate the key concepts in the study of media, culture, and communication
- Analyze the functions, engage in and manage the process of communication situations in a variety of modalities as both a consumer and a producer

- Work productively in a group as a group member and as a group leader

## COMMUNITY AND CIVIC ENGAGEMENT

### *Learning Outcomes*

The graduate in Community and Civic Engagement will be able to:

- Construct effective written, oral and visual messages for varied audiences
- Communicate ethically in problem solving, conflict management and mediation
- Demonstrate cultural self-awareness while recognizing individual cultural similarities and differences
- Identify contemporary social challenges and evaluate local, national and/of global issues from Christian perspectives
- Develop ethical, compassionate qualities necessary for community organization leadership
- Empower individuals to promote human rights, human dignity and human freedom

A major in Community and Civic Engagement consists of combination of 45 hours from the Division of Cultural and Communication Studies:

Course Number	Course Title	Credit Hours
SPC 4213	Communication in Conflict Management	3
ENGL/MCOM 3113	Grantwriting for Nonprofits	3
SPC 4223	Group Interaction & Leadership	3
SPC 4233	Intercultural Communication	3
SPC 2213	Introduction to Organizational Communication	3
SPC 3463	Family Communication	3
SPC/MCOM 4343	Public Relations Strategies	3
GS 1111	Service Learning Practicum (3 hours total distributed in 1 hour courses over 3 semesters)	3
ENGL/MCOM/ SPC 4383	Internship Experience/s	3
ENGL/MCOM 1323	Introduction to Community Engagement	3
ENGL 3023	Community Narratives	3
ENGL 4333	Social Media Content	3
<i>Choose nine credit hours from the following</i>		
ENGL/MCOM 3143	Technical Communication	3
MCOM 2323	Survey of Mass Media	3
MCOM 4213	Media Ethics	3
SPC 2353	Interviewing Techniques	3
SPC 4133	Persuasion	3
ENGL 3203	African American Literature	3
MCOM 3123	Interactive Web Authoring	3
MCOM 3383	Publication Design	3
<b>Community and Civic Engagement Major Credit Hours</b>		<b>45</b>

*Additional Language Requirement 6 hours*

## ENGLISH MAJOR, BA

### *Learning Outcomes*

The graduate in English will be able to:

- Demonstrate a command or research methods, bibliographic resources, and documentation
- Discuss the histories of global hemispheric, British, and American literatures
- Analyze the themes of global hemispheric, British, and American literatures
- Recognize major literary eras, genres, writers, and works.
- Apply standard critical and theoretical approaches to works of literature
- Employ language and literary terminology effectively
- Craft critical essays responding to a variety of verbal and visual texts

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 two areas: 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.

Course Number	Course Title	Credit Hours
<b>English Core Courses</b>		
ENGL 1311	Introduction to Cultural and Communication Studies	1
ENGL 2213	Academic Writing: Research and Argumentation	3
ENGL 2833	Introduction to Poetry and Poetics	3
ENGL 2933	Foundations for English Studies	3
ENGL 3043	Survey of American Literature I	3
ENGL 3053	Survey of American Literature II	3
ENGL 3163	Survey of British Literature I	3
ENGL 3173	Survey of British Literature II	3
ENGL 3323	Survey of World Literature	3
ENGL 4103	English Grammar II	3
ENGL 3143	Technical Communication	3
ENGL 4293	Contemporary Literary Theory	3
ENGL 4901	Advanced Academic Writing	1
ENGL 4931	Cultural and Communication Studies Colloquium	1
<b>Electives</b>		
ENGL XXXX	Two English electives above the freshman level	6
<b>English Major Credit Hours</b>		<b>42</b>
Additional Language Requirement		6

## ENGLISH MAJOR - LITERATURE CONCENTRATION BA

This major is recommended for those preparing for graduate school.

Course Number	Course Title	Credit Hours
<b>English Core Courses</b>		
ENGL 1311	Introduction to Cultural and Communication Studies	1
ENGL 2213	Academic Writing: Research and Argumentation	3
ENGL 2833	Introduction to Poetry and Poetics	3
ENGL 2933	Foundations for English Studies	3
ENGL 3043	Survey of American Literature I	3
ENGL 3053	Survey of American Literature II	3
ENGL 3163	Survey of British Literature I	3
ENGL 3173	Survey of British Literature II	3
ENGL 3323	Survey of World Literature	3
ENGL 4103	English Grammar II	3
ENGL 3143	Technical Communication	3
ENGL 4293	Contemporary Literary Theory	3
ENGL 4901	Advanced Academic Writing	1
ENGL 4931	Cultural and Communication Studies Colloquium	1
<b>Other Required English Courses</b>		
ENGL 3223	Mythology	3
ENGL 4113	Shakespeare	3
ENGL 4001-2	Senior Thesis	1-2
<b>Electives</b>		
One literary genre course		3

Electives in literature	10-11
<b>English Major - Literature Concentration Credit Hours</b>	<b>56-58</b>
Additional Language Requirement	6

## ENGLISH MAJOR - WRITING CONCENTRATION BA

Course Number	Course Title	Credit Hours
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### English Core Courses

ENGL 1311	Introduction to Cultural and Communication Studies	1
ENGL 2213	Academic Writing: Research and Argumentation	3
ENGL 2833	Introduction to Poetry and Poetics	3
ENGL 2933	Foundations for English Studies	3
ENGL 3043	Survey of American Literature I	3
ENGL 3053	Survey of American Literature II	3
ENGL 3163	Survey of British Literature I	3
ENGL 3173	Survey of British Literature II	3
ENGL 3323	Survey of World Literature	3
ENGL 4103	English Grammar II	3
ENGL 3143	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 Courses

ENGL 2313	News Writing	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 3113	Grant Writing	3
ENGL 3313	Magazine Writing	3
ENGL 4833	Roundtable	3
ENGL 4381-3	Internship	1-3

<b>English Major - Writing Concentration Credit Hours</b>	<b>53-55</b>
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Additional Language Requirement	6
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## GRAPHIC DESIGN MAJOR, B.A.

### *Learning Outcomes*

The graduate in Graphic Design will be able to:

- Articulate and demonstrate the design process from start to finish
- Visually and verbally articulate chosen concept and final design solution in a classroom and professional setting
- Exhibit graphic design projects with a professional level of presentation and craft skills
- Critique or evaluate design skills and design solutions, individually and in peer situations
- Demonstrate proficiency in Adobe Creative Suite software applications
- Participate in the art and design community
- Discuss the history and contemporary trends of graphic design

A major in Graphic Design consists of a combination of 51 credit hours of art and graphic design courses.

Course Number	Course Title	Credit Hours
GDSG 1113	Drawing I	3
GDSG 1213	Design I	3
GDSG 1223	Design II	3
GDSG 1311	Introduction to Cultural and Communication Studies	1

GDSG 2033	Color Visual Language	3
GDSG 2333	Design Technology	3
GDSG 2413	Vector and Raster Fundamentals I	3
GDSG 2433	Typography	3
GDSG 3013	History of Art and Design	3
GDSG 3223	Serigraphy	3
GDSG 3413	Corporate Identity	3
GDSG 3433	Digital Imaging	3
GDSG 4413	Information Design	3
GDSG 4433	Professional Practice	3
GDSG 3123	Interactive Web Authoring	3
GDSG 4371	Cultural and Communication Studies Colloquium	1
ART/GDSG	Art/Graphic Design Electives	5
GDSG 4431	Professional Practice/Portfolio	1
GDSG 4431-3	Professional Practice/Internship	1-3
<b>Graphic Design Major Credit Hours</b>		<b>51</b>
Additional Language Requirement		6

## MASS COMMUNICATION MAJOR BA

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

The graduate in Mass Communication will be able to:

- Recommend strategies for improving communication in interpersonal, small group, and intercultural contexts
- Consult with organizations to improve their internal communicative processes
- Present effectively on behalf of organizations to internal and external audiences
- Discuss the role of professional communication media in a free society and in an interconnected world
- Produce industry-quality content for diverse media platforms
- Evaluate the ethical standards and practices of media professionals
- Engage in Self-evaluation of Pre-production, production, and post-production processes
- Develop ethical, culturally-sensitive strategies for communicating to and connecting with mass audiences

Course Number	Course Title	Credit Hours
<b>Mass Communication Courses</b>		
MCOM 1311	Introduction to Cultural and Communication Studies	1
ENGL 2103	English Grammar I	3
MCOM 3123	Interactive Web Authoring	3
MCOM 2313	News Writing	3
MCOM 2323	Survey of Mass Media	3
GDSG 2333	Design Technology	3
MCOM 2353	Interviewing Techniques	3
MCOM 2393	Video Production	3
MCOM 2813	Genre Writing	3
MCOM 4213	Media Ethics	3
MCOM 4363	Sp Studies—Contemporary Media Effects	3
MCOM 4371	Cultural & Communication Studies Colloquium	1
Foreign Language		6
<b>Practicum Courses</b>		
<i>Choose two of the following</i>		
MCOM 2361	Newspaper Practicum	1

MCOM 2371	Yearbook Practicum	1
MCOM 2381	Broadcasting Practicum	1

**Elective Courses**

*Choose five credit hours from the following*

MCOM 2333	Digital Photography	3
MBUS 2513	Studio Recording I	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 3383	Publication Design & Production	3
MCOM 4103	Advanced English Grammar	3
MCOM 4183	Media Law	3
MCOM 4343	Public Relations Strategies	3
MCOM 4352-3	Special Studies	2-3
MCOM 4381-3	Internship	1-3

<b>Mass Communication Major Credit Hours</b>		<b>45</b>
Additional Language Requirement		6

**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.

**GRAPHIC DESIGN MINOR**

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

<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>
GDSG 1113	Drawing I	3
GDSG 1213	Design I	3
GDSG 1223	Design II	3
GDSG 2033	Color Visual Language	3
GDSG 2413	Vector & Raster Fundamentals I	3
ART/GDSG 2XXX	Art /Design electives (must be above 1000-level)	3
<b>Graphic Design Minor Credit Hours</b>		<b>18</b>

**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 EDUCATION****School Full-time Faculty**

**Jody L. Bowie, M.A., Assistant Professor** (Fall 2016)

B.S., Southern Nazarene University

M.A., Southern Nazarene University

Graduate Study, Oklahoma State University

**Julie Brant, M.A., Assistant Professor/Director, SFC** (Fall 2015)

B.S., Southern Nazarene University

M.A., Southern Nazarene University (Curriculum and Instruction)

M.A., Southern Nazarene University (Educational Leadership)  
Graduate Study, Northwest Nazarene University

**Stephoni Case, Ed.D., Associate Professor/Director, M.A.E.L.** (Spring 2014)

B. A., Southern Nazarene University  
M.A., Southern Nazarene University  
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

**Kent Shellenberger, Ed.D., Assistant Professor** (Fall 2017)

B.S., Southern Nazarene University  
M.A., Southern Nazarene University  
Ed.D., Oklahoma State University

**Betty Lou Thompson, M.A., 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/Chair/Director, Educator Preparation** (Fall 1995)

B.Mus.Ed., Bethany Nazarene College  
Graduate Study, University of Arkansas  
M.Ed., Northeastern Oklahoma State University  
Ed.D., Oklahoma State University

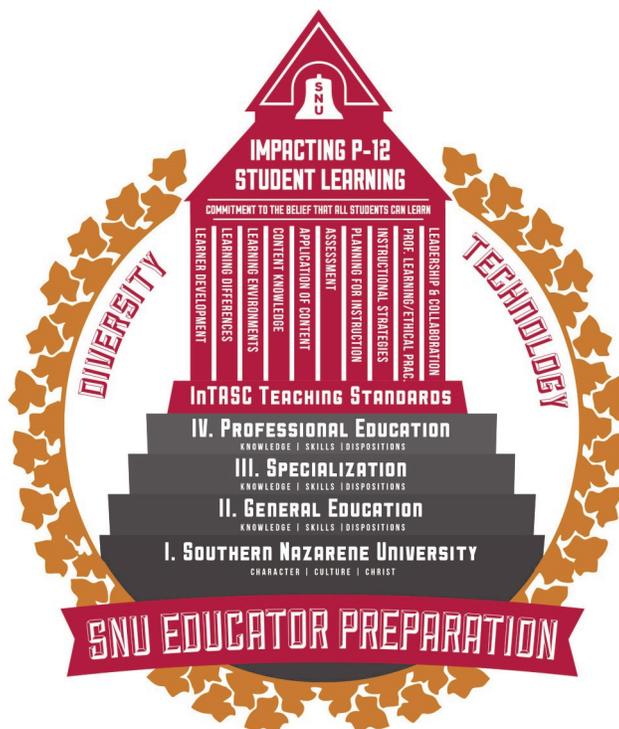
***SNU Educator Preparation Mission Statement***

The Educator Preparation program at Southern Nazarene University provides experiences encompassing the Christian principles of integrating faith, learning, and life; and that equip candidates for educator roles in multiple learning settings in which schools, families, and communities build partnerships that work together to impact P-12 student learning, wherein affirming the belief that all students can learn.

***School of Education Departmental Outcomes (based on Interstate Teacher Assessment and Support Consortium (InTASC) Standards (In TASC Standards Identified)***

- The teacher understands the diverse cognitive, social, physical, linguistic, and emotional development of diverse learners and can provide appropriate instructional strategies. (1)
- The teacher understands and uses a variety of instructional strategies to encourage learners to develop deep understanding of content areas and to build skills to apply knowledge. (8)
- The teacher understands learners' individual differences and diverse cultures of the community in which s/he teaches to ensure an inclusive learning environment. (2)
- The teacher possesses the ability to integrate subject areas and to use differing perspectives to engage learners in critical, creative thinking in order to solve authentic local and global issues. (5)
- When planning for instruction, the teacher draws upon content knowledge, state curriculum, and cross-disciplinary skills and pedagogy, as well as knowledge of learners and their community in order to support learning for all students. (7)
- The teacher possesses content knowledge and can create learning experiences to ensure that all learners attain mastery of concepts. (4)
- The teacher integrates technology into the learning environment for instruction, communication, and assessment. (Technology)(6)
- The teacher creates positive learning environment to support, active engagement among diverse learners in order for them to appreciate individual differences. (3)
- The teacher understands and uses multiple methods of assessment. (6)

- The teacher engages in ongoing professional development and self-evaluation, and then adapts his/her practices to meet the needs of all learners. (9)
- The teacher seeks appropriate leadership roles and opportunities to collaborate with colleagues and families to ensure professional growth and to advance the teaching profession. (10)
- The teacher maintains professionalism through (1) demeanor-collegiality, (2) scholarship, (3) connection to professional organizations, and (4) collaboration with colleagues and families. (9)
- The teacher possesses and utilizes effective written and verbal communication skills (SNU Standard)
- The teacher possesses the ability to make professional decisions based on Christian principles (SNU Standard)



### ***Alignment of the School of Education Departmental Outcomes with the InTASC Standards***

The SNU School of Education Departmental Outcomes are aligned with the InTASC (Interstate Teacher Assessment and Support Consortium) Model Core Teaching Standards:

#### **The Learner and Learning**

Standard #1: Learner Development

The teacher understands how learners grow and develop, recognizing that patterns of learning and development vary individually within and across the cognitive, linguistic, social emotional, and physical areas, and designs and implements developmentally appropriate and challenging learning experiences.

Standard #2: Learning Differences

The teacher uses understanding of individual differences and diverse cultures and communities to ensure inclusive learning environments that enable each learner to meet high standards.

Standard #3: Learning Environments

The teacher works with others to create environments that support individual and collaborative learning, and that encourage positive social interaction, active engagement in learning, and self motivation.

## **Content Knowledge**

### Standard #4: Content Knowledge

The teacher understands the central concepts, tools of inquiry, and structures of the discipline(s) he or she teaches and creates learning experiences that make these aspects of the discipline accessible and meaningful for learners to assure mastery of the content.

### Standard #5: Application of Content

The Teacher understands how to connect concepts and use differing perspectives to engage learners in critical thinking, creativity, and collaborative problem solving related to authentic local and global issues.

## **Instructional Practice**

### Standard #6: Assessment

The teacher understands and uses multiple methods of assessment to engage learners in their own growth, to monitor learner progress, and to guide the teacher's and learner's decision making.

### Standard #7: Planning for Instruction

The teacher plans instruction that supports every student in meeting rigorous learning goals by drawing upon knowledge of content areas, curriculum, cross-disciplinary skills, and pedagogy, as well as knowledge of learners and the community context.

### Standard #8: Instructional Strategies

The teacher understands and uses a variety of instructional strategies to encourage learners to develop deep understanding of content areas and their connections, and to build skills to apply knowledge in meaningful ways.

## **Professional Responsibility**

### Standard #9: Professional Learning and Ethical Practice

The teacher engages in ongoing professional learning and uses evidence to continually evaluate his/her practice, particularly the effects of his/her choices and actions on others (learners, families, other professionals, and the community), and adapts practice to meet the needs of each learner.

### Standard #10: Leadership and Collaboration

The teacher seeks appropriate leadership roles and opportunities to take responsibility for student learning, to collaborate with learners, families, colleagues, other school professionals, and community members to ensure learner growth, and to advance the profession.

## ***Teacher Education (Educator Preparation)***

Educator Preparation is one of the leading undergraduate programs at SNU. All Teacher Education/Educator Preparation programs are accredited by the Council for the Accreditation of Educator Preparation (CAEP), the Oklahoma Office of Educational Quality and Accountability (OEQA), and approved by the State Board of Education for the State of Oklahoma.

## **CERTIFICATE PROGRAMS P-12**

SNU offers programs for certificates at the following levels and subject 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:
  - Physical Education
  - Music: instrumental/general
  - Music: vocal/general
- Secondary (grades 6 through 12) including:
  - Mathematics Education
  - Social Studies Education

Detailed academic requirements for these certificate programs are listed in the Educator Preparation 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 every 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.

**ADMISSION TO EDUCATOR PREPARATION PROGRAM**

All students who wish to prepare to teach and meet certification requirements are required to apply and be admitted to the Educator Preparation Program. 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 Educator Preparation):

- Full admission to Southern Nazarene University
- Completion of ED 2111—Introduction to Education/Teaching Lab, including 12 clock hours\* of observation logged and reflection form 1A
- Successful completion of a minimum of (24) twenty-four credit hours of all college coursework
- Enrollment in ED 2162—Foundation of Education, including 12 clock hours\* of observation and logged and reflection form 1B
- \*A total of 24 clock hours of observation from ED 2111 and ED 2162
- Minimum cumulative GPA of 2.5
- Pass the OGET (\*Oklahoma General Education Test) (OGET information may be found at [www.ceoe.nesinc.com](http://www.ceoe.nesinc.com))
- A grade of "C" or better in a basic Speech Communication course
- Submission of SNU Educator Preparation Program Admissions Essay (during ED 2162)
- Successful interview with the SNU Educator Preparation Admissions Committee (Interviews conducted during Spring and Fall semesters)
- Completion of English Comp I with a passing grade
- Completion of English Comp II with a passing grade
- Completion of a college level Math Course with a passing grade
- Demonstration of a positive interest in teaching by prior experiences and activities, in interview setting as noted on the *Educator preparation Admission Interview Guide*, candidate field experience evaluation forms, *Evaluation by Cooperating Teacher of Field Observations -1A and 1B*, and the SNU Educator Preparation *Teacher Candidate Self-Evaluation of Teaching Dispositions*

**NO** CANDIDATE WILL BE PERMITTED TO ENROLL IN ED 4273 (Professional Decision Making) OR BE ADMITTED TO THE PROFESSIONAL SEMESTER (Student Teaching) UNTIL **FULL** ADMISSION TO SNU EDUCATOR PREPARATION PROGRAM.

Once **ALL** of the above requirements have been met, candidates will receive confirmation of admission from the Office of Educator Preparation.

**NOTE:** After admission to the SNU Educator Preparation Program, Teacher Candidate must MAINTAIN minimum 2.5 GPA to remain in good standing. Any candidate who drops below 2.5 GPA will be placed in PROBATIONARY status and will not be allowed to continue in program until GPA meets 2.5 minimum.

**ADMISSION TO THE PROFESSIONAL SEMESTER (Student Teaching)**

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 Educator Preparation Program and approval is contingent upon the applicant meeting the following criteria (The Educator Preparation 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.
- Clearance by a criminal background check.
- Candidate's status is reviewed periodically as the candidate progresses through the program.
- Final recommendation by the School of Education is needed before a teacher candidate is approved for student teaching.

### **CERTIFICATION PROGRAM CHECK SHEET**

Any student expecting to teach should confer with a Educator Preparation Program 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 certification 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 certification, 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 standard certificate to teach in the State of Oklahoma and most other states, six general requirements must be met:

- Completion of an approved certification 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).
- Recommendation for licensure by the director of Teacher Education/Educator Preparation 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 proficiency requirement.

### **GENERAL EDUCATION FOR EDUCATOR PREPARATION**

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 Educator Preparation 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 Educator Preparation Handbook.

## ***School Majors***

### **EDUCATION MAJOR**

All programs in early childhood, elementary, P-12, and secondary degrees follow the certificate program guidelines outlined in the Educator Preparation Handbook. However, slight variations may be allowed if recommended by the director of educator preparation 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 (B.S.)**

This degree is for an individual who:

- is **not** seeking a standard teaching certificate
- 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

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

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

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

#### **\*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:

- Language arts/humanities (speech communication, English)
- Fine arts (art and music)
- Social and behavioral sciences (sociology, psychology)
- Science and mathematics
- Philosophy, religion, Christian education
- Physical education (athletic coaching, health, kinesiology)
- Business

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 OF MUSIC

### *School Faculty*

**Daniel R. Abrego, M.M., Assistant Professor, Director, Marching Band** (Fall 2015)

B.M.E., Southern Nazarene University

M.M., University of Texas at Arlington

**Rebekah Ambrosini, M.P.A., Associate Professor** (Fall 2006)

B.Mus., Oklahoma City University

M.P.A., Oklahoma City University

Graduate Study, University of Oklahoma

**Steve Betts, Ph.D., Professor/Dean** (2001-2011 & Fall 2015)

B.A., MidAmerica Nazarene University

M.M., Wichita State University

Ph.D., The University of Oklahoma

**Richard E. Cantwell, D.M.A., Professor** (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

**Jim Graves, D.M.A., Associate Professor** (Fall 2008)

B.M.E., Boise State University

M.M., Choral Conducting, University of North Texas

D.M.A., University of Oklahoma

**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

**Bryan Powell, Ph.D., Assistant Professor** (Fall 2014)

B.S., Southern Nazarene University

M.M., University of Colorado Boulder

Ph.D., University of Oklahoma

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

B.A., Southern Nazarene University

## ***School Mission***

**Our mission** is to maximize musical potential in Christ-centered community.

## ***School Learning Objectives***

In accordance with our membership in the National Association of Schools of Music, our graduates will demonstrate:

- The ability to hear, identify and work conceptually with the elements of music, such as rhythm, melody, harmony, structure, timbre and texture.
- An understanding of and the ability to read and realize musical notation.
- An understanding of compositional processes, aesthetic properties of style, and the ways these shape and are shaped by artistic & cultural forces.
- An acquaintance with a wide selection of musical literature, the principal eras, genres, and cultural sources.
- The ability to develop and defend musical judgments.
- Ability in performing levels consistent with the goals/objectives of the specific liberal arts degree program being followed
- Understanding of procedures for realizing a variety of musical styles.
- Knowledge and/or skills in one or more areas of music beyond basic musicianship appropriate to the individual's needs and interests, and consistent with the purposes of the specific liberal arts degree program being followed.

## ***School Special Requirements***

The SNU School of Music is an accredited institutional member of the National Association of Schools of Music (NASM, 11250 Roger Bacon Drive, Suite 21, Reston, VA 20190 (703)437-0700) 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 freshman 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, Church Accompanying, Transposition, Improvisation, Score Reading, Sight Reading and Repertoire plus degree program-specific elements.

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 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 Marching Band in Fall / Symphonic Band in Spring; for string concentration, 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. Music scholarship requirements may supersede the above requirements.

### **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.

#### **Type of Lessons**

#### **Credit Hours**

One class lesson per week	1
Two class lessons per week	1
One 30-minute private lesson per week	1
One 60-minute private lesson per week	2

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.

<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>
<b>Music Core Courses</b>		
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
M TH 2322	Harmony II	2
M TH 2342	Aural Theory II	2
M TH 2332	Harmony III	2
M TH 2352	Aural Theory III	2
M ED 3302	Music History I	2
M ED 4322-3	Music History II	2
M ED 4332-3	Music History III	2
M ED 3372	Conducting I	2
M ED 2300	Recital Attendance <sup>∞</sup>	0
C M 3113	Music, Ministry and the Church	3
APMU 2400	Enrichment Seminar <sup>#</sup>	0
APMU 3141	Junior Level Recital <sup>*</sup>	1
MENS	Music Ensemble <sup>^</sup>	8+
APMU Electives (minimum of four credit hours in piano)		12

<b>Music Electives</b> (other than MENS)	4
<b>Music Major (B.A. Degree) Credit Hours</b>	<b>52+</b>
Additional Language Requirement	6

## 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.

### *Learning Outcomes*

In addition to the core objectives for all degrees in the School of Music, our Worship Arts Emphasis graduates will also:

- Have knowledge and skills to plan and lead effective worship services and events
- Demonstrate technological proficiency in media production
- Demonstrate strong relational skills in working with both professional staff and lay leaders in music ministry
- Articulate a sound theology of Christian worship

<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>
<b>Music Core Courses</b>		
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
M TH 2322	Harmony II	2
M TH 2342	Aural Theory II	2
M TH 2332	Harmony III	2
M TH 2352	Aural Theory III	2
M ED 3302	Music History I	2
M ED 4322	Music History II	2
M ED 3372	Conducting I	2
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
<b>Other Required Music Courses</b>		
M ED 3382	Conducting II	2
C M 4213	Church Music Administration	3
APMU	Applied Major Instrument (primary)	4
APMU	Applied Piano	2
APMU	Applied Voice	2
APMU	Applied Guitar	2
MBUS 1312	Live Recording Techniques	2
MBUS 2542	Introduction to Production Technology	2
MBUS2513	Studio Recording I	3
M ED 3391	Fundamentals of Instrumental Methods	1
M TH 4442	Arranging	2

MENS	Music Ensemble <sup>^</sup>	8
C M 4283	Music Internship	3
<b>Choose an elective from Art (ART), Graphic Design (GDSG) or Communications (MCOM)</b>		
<b>Suggested courses:</b>		
GDSG 2223	Design Aesthetics	3
GDSG 3013	History of Art and Design	3
<b>Choose 2 electives from Practical Theology (PRTH) or Christian Ed (CED)</b>		6
<b>Worship Arts Major Credit Hours</b>		<b>74</b>

### **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.

### **Music Performance Emphasis-Vocal Concentration**

#### ***Learning Outcomes***

In addition to the core objectives for all degrees in the School of Music, our Vocal Emphasis performance graduates will also:

- Demonstrate knowledge of diction in at least 4 different languages and styles ranging from pre-Baroque through modern composers
- Demonstrate a high level of technical and expressive ability

<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>
<b>Music Core Courses</b>		
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
M TH 2322	Harmony II	2
M TH 2342	Aural Theory II	2
M TH 2332	Harmony III	2
M TH 2352	Aural Theory III	2
M ED 3302	Music History I	2
M ED 4323	Music History II	3
M ED 4333	Music History III	3
M ED 3372	Conducting I	2
M ED 2300	Recital Attendance <sup>∞</sup>	0
C M 3113	Music, Ministry and the Church	3
APMU 2400	Enrichment Seminar #	0
APMU 3141	Junior Level Recital *	1
<b>VOCAL PERFORMANCE CONCENTRATION</b>		
M ED 3211	Introduction to Vocal Music History	1
M ED 3222	Vocal Literature and Diction I	2
M ED 3231	Vocal Literature and Diction II	1
M ED 3362	Vocal Pedagogy	2
M TH 4413	Counterpoint	3
M TH 4423	Music Analysis	3
APMU	Applied Voice	14
APMU	Applied Piano	4
APMU 4141	Senior Level Recital	1
MENS	Music Ensemble <sup>^</sup>	8
Two semesters French or German		6
<b>Music Performance Emphasis-Vocal Concentration Credit Hours</b>		<b>75</b>

## Music Performance Emphasis-Keyboard Concentration

### *Learning Outcomes*

In addition to the core objectives for all degrees in the School of Music, our Keyboard Emphasis performance graduates will also:

- Demonstrate knowledge through performance of compositions from four different styles
- Demonstrate a high level of technical and expressive ability

### **KEYBOARD PERFORMANCE CONCENTRATION**

M ED 3352	Keyboard Pedagogy	2
M ED 3411	Keyboard Literature	1
MBUS 3432	MIDI Production	2
M TH 4413	Counterpoint	3
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-Keyboard Concentration Credit Hours 72**

## Music Performance Emphasis-Instrumental Concentration

### *Learning Outcomes*

In addition to the core objectives for all degrees in the School of Music, our Instrumental Performance graduates will also:

- Demonstrate knowledge through performance of compositions from at least four different styles
- Demonstrate a high level of technical and expressive ability

### **INSTRUMENTAL PERFORMANCE CONCENTRATION**

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 Elective	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**

## **MUSIC BUSINESS EMPHASIS**

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

### *Learning Outcomes*

In addition to the core objectives for all degrees in the School of Music, our Music Business Emphasis graduates will also:

- Utilize studio and live recording technology to effectively capture musical performances
- Realize musical compositions utilizing MIDI and studio recording equipment

- Demonstrate fluency with basic copyright law, licensing, contracts and publishing
- Make informed decisions about equipment purchases and facility design related to audio production
- Identify key composers, performer, genres, technological advances, business practices and cultural influences in the evolution of both popular music and art music in the 20th century
- Work effectively on a media production team

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 <sup>∞</sup>	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 2542	Introduction to Production Technology	2
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
MGT 3123	Human Resources Management	3
MKT 2113	Principles of Marketing	3
<i>Choose one of the following</i>		
APMU 3141	Junior Level Recital	1
MBUS 4241	Capstone Project *	1
<b>Music Business Emphasis Credit Hours</b>		<b>67-69</b>

## 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

Course Number	Course Title	Credit Hours
<b>Music Core Courses</b>		
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
M TH 2322	Harmony II	2
M TH 2342	Aural Theory II	2
M TH 2332	Harmony III	2
M TH 2352	Aural Theory III	2

M ED 3302	Music History I	2
M ED 4322	Music History II	2
M ED 4332	Music History III	2
M ED 3372	Conducting I	2
M ED 2300	Recital Attendance <sup>∞</sup>	0
C M 3113	Music, Ministry and the Church	3
APMU 2400	Enrichment Seminar #	0
APMU 3141	Junior Level Recital *	1

**Other Required Courses**

M ED 3222	Vocal Literature and Diction I	2
M ED 3231	Vocal Literature and Diction II	1
M ED 3362	Vocal Pedagogy	2
M ED 3382	Conducting II	2
M ED 3391	Fundamentals of Instrumental Methods	1
M ED 4352	Elementary Music Methods	2
M ED 4362	Secondary Music Methods	2
M TH 4442	Arranging	2
APMU	Applied Voice	7
APMU	Applied Piano	4
MENS	Music Ensembles <sup>^</sup>	8
ED 2111	Introduction to Education	1
ED 2162	Foundations of Education	2
ED 2173	Developmental Psychology Across the Lifespan	3
ED 3223	Educational Psychology	3
ED 4141	Survey of Exceptional Child	1
ED 4273	Professional Decision Making	3
ED 4700	Seminar	0
ED 4965	Student Teaching Elementary	5
ED 4995	Student Teaching Secondary	5

Foreign language proficiency required

**B.M.E. Vocal Concentration Credit Hours 84****INSTRUMENTAL CONCENTRATION**

<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>
<b>Music Core Courses</b>		
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
M TH 2322	Harmony II	2
M TH 2342	Aural Theory II	2
M TH 2332	Harmony III	2
M TH 2352	Aural Theory III	2
M ED 3302	Music History I	2
M ED 4322	Music History II	2
M ED 4332	Music History III	2
M ED 3372	Conducting I	2
M ED 2300	Recital Attendance <sup>∞</sup>	0
C M 3113	Music, Ministry and the Church	3
APMU 2400	Enrichment Seminar #	0
APMU 3141	Junior Level Recital *	1

**Other Required Courses**

M ED 3311	Brass Methods	1
M ED 3321	Percussion Methods	1
M ED 3331	Woodwind Methods	1
M ED 3341	String Methods	1
M ED 3382	Conducting II	2
M ED 4342 or 3442	Marching Band Techniques or String Pedagogy	2
M ED 4352	Elementary Music Methods	2
M ED 4362	Secondary Music Methods	2
M TH 4432 or 4442	Orchestration or Arranging	2
APMU	Applied Major Instrument	7
APMU	Applied Piano	1
APMU	Applied Voice	1
Other Applied	(four secondary instruments)	4
MENS 2511 or 2521	Symphonic Band or Orchestra	8
MENS	Choral Ensemble <sup>^</sup>	1
ED 2111	Introduction to Education	1
ED 2162	Foundations of Education	2
ED 2173	Developmental Psychology Across the Lifespan	3
ED 3223	Educational Psychology	3
ED 4141	Survey of Exceptional Child	1
ED 4273	Professional Decision Making	3
ED 4700	Seminar	0
ED 4965	Student Teaching Elementary	5
ED 4995	Student Teaching Secondary	5

Foreign language proficiency required

### **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**

<sup>∞</sup> 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.

<sup>^</sup> See section on ensembles in School Special Requirements.

### ***School Minors***

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

### **MUSIC MINOR**

<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>
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
M ED 3372	Conducting I	2

MENS	Music Ensemble	2
APMU	Applied Music	4
Music elective (other than ensemble or FA 2123)		2
<b>Music Minor Credit Hours</b>		<b>18</b>

**CHURCH MUSIC MINOR**

Course Number	Course Title	Credit Hours
M TH 1322	Survey of Music	2
M TH 1332	Fundamentals of Music	2
M ED 3372	Conducting I	2
MENS	Ensemble (at least one credit of vocal ensemble)	2
M ED 3391	Fundamentals of Instrumental Methods	1
APMU 1601	Private Voice	2
MBUS 2542	Introduction to Production Technology	2
C M 3223	Survey of Worship	3
C M 4283	Church Music Internship	3
<b>Church Music Minor Credit Hours</b>		<b>19</b>

**MUSIC BUSINESS MINOR**

Course Number	Course Title	Credit Hours
M TH 1332	Fundamentals of Music	2
MBUS 1213	Intro. To Music Business	3
MBUS 1312	Live Recording Techniques	2
MBUS 2513	Studio Recording I	3
MBUS 3303	History of Recorded Music	3
MBUS3412 or 3432	Music Publishing or MIDI Production	2
MBUS 4381 or 4241	Internship or Capstone Project	1
ACC 2113	Principles of Accounting I	3
<b>Music Business Minor Credit Hours</b>		<b>19</b>

**SCHOOL OF THEOLOGY AND MINISTRY*****School Full-time Faculty*****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

**Jim Fitzgerald, Ph.D., Associate Professor/Chair** (Fall 2017)

B.A., Olivet Nazarene University  
 M. Div., Nazarene Theological Seminary  
 Ph.D., Vanderbilt University

**Douglas D. Forsberg, M.A., 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 Professorship, 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

**Eileen M. Ruger, M.R.E., Assistant Professor** (Fall 2013)

B.S., Southern Nazarene University  
M.R.E., Nazarene Theological Seminary  
Graduate Study, Assembly of God Theological Seminary

**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 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.

### ***Learning Outcomes***

The School of Theology and Ministry Overall Division Outcomes are as follows:

- Peer Relationships-Students will maintain relationships with peers in SoTaM and acknowledge a feeling of community while participating in the program
- Curriculum Satisfaction-Students understand program curriculum order and how that program develops their ministry area skills
- Professional Development-Students will recognize professional roles, contacts, call and opportunities appropriate to ministry
- Faculty Relationships-Student will have meaningful inter-personal relationships with faculty over the course of their participation in the program
- Societal Issues-Student can write at above beginning level on societal issues pertaining to ministry

### ***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 (except Mutli-disciplinary Majors) 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.

### *Learning Outcomes*

Pastoral Ministry major outcomes are as follows

- Organization Leadership-Graduates will be able to articulate sound principles of organizational leadership within the context of congregational life and vision
- Ordination Preparation-Graduates will be educationally prepared for ordination in the Church of the Nazarene
- Preaching- Graduates will understand and be able to communicate publicly the truth found in Holy Scripture

Course Number	Course Title	Credit Hours
<b>Theology Major Core Courses</b>		
PRTH 1113	Introduction to Ministry	3
C HS 3113	Introduction to Church History	3
C HS 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
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
<b>Biblical Literature Core Courses</b>		
<i>Choose one Old Testament exegesis elective from the following:</i>		
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
<i>Choose one New Testament exegesis elective course from the following:</i>		
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
B LT 4273	Luke-Acts	3
<b>Other Required Courses</b>		
*C HS 2113	History & Polity of Nazarene Church	3
PRTH 3113	Fundamentals of Preaching	3
PRTH 3323	Evangelism and Church Renewal	3
MISS 2113	Introduction to Christian Missions	3
PRTH/CED 3163	Formation Ministries of the Local Church	3
PRTH 4163	Pastoral Leadership and Team Building	3
PRTH 4181-3 or 4381-3	Ministry Experience or Ministry Intensive	3
GK 1113	Beginning Greek I	3
GK 1213	Beginning Greek II	3
GK 2113	New Testament Greek: John	3
GK 4183	Readings in New Testament Greek	3
<b>Pastoral Ministry Major for B.A. Degree Credit Hours</b>		<b>73</b>

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

Note: a student also has the option to pursue studies in Pastoral Ministry as a Multidisciplinary Degree in consultation with appropriate department chairs and the college deans.

## PHILOSOPHY MAJOR

### *Learning Outcomes*

Philosophy program outcomes are as follows:

- Worth and Meaning-Graduates will demonstrate ability to evaluate and determine the worth and meaning of life in light of philosophical, scientific, and religious perspectives
- Analysis-Graduates will demonstrate the knowledge and ability required for asking appropriate questions (both the what and the how) from the standpoint of philosophical inquiry
- Logic and Thought-Graduates will demonstrate the habit of accurate and consistent thinking
- Method and Subject-Graduates will understand the method and subject matter of philosophy

Course Number	Course Title	Credit Hours
<b>Theology Core Courses</b>		
PRTH 1113	Introduction to Ministry	3
C HS 3113	Introduction to Church History	3
C HS 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
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
<b>Biblical Literature Courses</b>		
<i>Choose one Old Testament exegesis elective from the following:</i>		
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
<i>Choose one New Testament exegesis elective course from the following:</i>		
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
B LT 4273	Luke-Acts	3
<b>Philosophy Courses</b>		
PHIL XXXX	School approved philosophy courses	24
<b>Other Required Courses</b>		
GK 1113	Beginning Greek I	3
GK 1213	Beginning Greek II	3
GK 2113	New Testament Greek: John	3
GK 4183	Readings in New Testament Greek	3
<b>Philosophy Major Credit Hours</b>		<b>76</b>

Note: a student also has the option to pursue studies in philosophy as a Multidisciplinary Degree in consultation with appropriate department chairs and the college deans.

**MISSIONS MAJOR*****Learning Outcomes***

Missions Major outcomes are as follows:

- Mobilizing-Graduates will demonstrate skills in mobilizing or managing believers for the task of fulfilling the Great Commission
- Cross-Cultural Skills-Graduates will have demonstrated skills for working and communicating in another culture or in a multi-cultural context
- Problem Solving-Graduates will demonstrate skill in devising solutions for the problems facing the contemporary global mission enterprise

<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>
<b>Theology Core Courses</b>		
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
C HS 3113	Introduction to Church History	3
C HS 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
<b>Biblical Literature Core Courses</b>		
<i>Choose one Old Testament exegesis elective from the following:</i>		
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
<i>Choose one New Testament exegesis elective course from the following:</i>		
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
B LT 4273	Luke-Acts	3
<b>Missions Courses</b>		
MISS 2113	Introduction to Christian Missions	3
MISS 2133	Nazarene Missions	3
MISS 2183	Cultural Anthropology for the Ministry	3
MISS 4163	Theology of Christian Missions	3
MISS XXXX	Missions course electives	9
<b>Other Required Courses</b>		
GK 1113	Beginning Greek I	3
GK 1213	Beginning Greek II	3
GK 2113	New Testament Greek: John	3
GK 4183	Readings in New Testament Greek	3
<b>Missions Major Credit Hours</b>		<b>73</b>

## THEOLOGY MAJOR

### *Learning Outcomes*

Theology program outcomes are as follows:

- Graduate School Preparation-Graduates will be educationally prepared for standard prerequisites of theological and/or professional graduate programs.
- Writing Skills-Graduates can show abilities to manage and write graduate level research papers
- Critical Thinking-Graduates will demonstrate critical thinking skills for issues relevant to theological education
- Method and Subject-Graduates will understand the method and subject matter of Theology

Course Number	Course Title	Credit Hours
<b>Theology Core Courses</b>		
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
C HS 3113	Intro to Church History	3
C HS 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
<b>Biblical Literature Core Courses</b>		
<i>Choose one Old Testament exegesis elective from the following:</i>		
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
<i>Choose one New Testament exegesis elective course from the following:</i>		
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
B LT 4273	Luke-Acts	3
<b>Other Required Courses</b>		
GK 1113	Beginning Greek I	3
GK 1213	Beginning Greek II	3
GK 2113	New Testament Greek: John	3
GK 4183	Readings in New Testament Greek	3
<b>Theology Major Credit Hours</b>		<b>52</b>

### *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 Pastoral Ministry Major 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

### *Learning Outcomes*

Youth Ministry Major outcomes are as follows:

- Understanding and Leadership-Graduates will have demonstrated an understanding of contemporary youth culture, as well as the skills necessary to lead youth groups
- Passion for Preparation-Graduates will have cultivated a love and passion for motivating youth toward Christlike lives, with the intent of preparing youth for present and future leadership roles in the church
- Group Formation and Identity-Graduates will possess the communication and leadership skills necessary for developing viable youth outreach and discipleship ministries within a congregational setting, in harmony with the overall vision of the church

Course Number	Course Title	Credit Hours
<b>Theology Core Courses</b>		
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
C HS 3113	Introduction to Church History	3
C HS 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
<b>Biblical Literature Core Courses</b>		
<i>Choose one Old Testament exegesis elective from the following:</i>		
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
<i>Choose one New Testament exegesis elective course from the following:</i>		
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
B LT 4273	Luke-Acts	3
<b>Other Required Courses</b>		
C ED 2123	Foundations of Christian Education	3
C ED 2173	Developmental Psychology Across the Lifespan	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 of 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** **67**

**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:

Course Number	Course Title	Credit Hours
PRTH 1113	Introduction to Ministry	3
B LT 3XXX/4XXX	Upper division Old Testament exegesis course	3
B LT 3XXX/4XXX	Upper division New Testament exegesis course	3
THEO 3113 or 3123	Old Testament Theology or New Testament Theology	3
THEO 3133	Doctrine of Holiness	3
PHIL 3XXX/4XXX	Upper division philosophy	3
PHIL 3113	History of Modern Philosophy	3
THEO 4111	Senior Colloquium	1
	Foreign or ancient language	6

*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**

Course Number	Course Title	Credit Hours
THEO 3113	Old Testament Theology	3
THEO 3123	New Testament Theology	3
THEO 3133	Doctrine of Holiness	3
PRTH 1113	Introduction to Ministry	3
	Six credit hours of upper-division School of Theology and Ministry electives	6
<b>Theology Minor Credit Hours</b>		<b>18</b>

**BIBLICAL LANGUAGES MINOR**

Eighteen credit hours in either Greek (GK) or Hebrew (HB) or a combination of both languages.

**CHILDREN'S MINISTRY MINOR**

Course Number	Course Title	Credit Hours
C ED 2173	Developmental Psychology Across the Lifespan	3

C ED 3173	Survey of Children's Ministry	3
C ED 4123	Lifespan Ministries	3
C ED4153 or CED 2123	Multiple Staff Ministry or Foundation of Christian Ed 2nd General Education Bible	3 3

*Choose two of the following recommended options*

C ED 3193	Family Ministry in Local Church	3
PRTH 1113	Introduction to Ministry	3
PRTH 4143	Pastoral Care and Counseling	3

**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

Course Number	Course Title	Credit Hours
C ED 2173	Developmental Psychology Across the Lifespan	3
C ED 4133	Survey of Youth Ministry	3
C ED 4153	Multiple Staff Ministry 2nd General Education Bible	3 3

*Choose three of the following recommended options*

C ED 2123	Foundations of Christian Education	3
C ED 3193	Family Ministry in Local Church	3
C ED 4123	Life Span Ministries	3
C ED 3153	Christian Education in Multicultural Context	3
PRTH 4163	Pastoral Leadership	3
C ED 4173	Crisis Ministry	3

**Youth Ministry Minor Credit Hours 21**

## URBAN MINISTRY MINOR

Course Number	Course Title	Credit Hours
C ED 2123	Foundations of Christian Education	3
C ED 3153	Christian Education in Multi-cultural Context	3
C ED 4173	Crisis Ministry	3

*Choose four of the following recommended options*

SOC 4383	Social Stratification	3
PSY 4103	Abnormal Psychology	3
PSY 4213	Principles of Counseling	3
PRTH 1113	Introduction to Ministry	3
PRTH 4143	Pastoral Care and Counseling	3
MISS 4213	Communication Conflict Management	3

**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.

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## ***School Pre-professional 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 Health 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*

#### **Mission**

The mission of the College of Natural, Social, and Health Sciences is to equip graduates with a scientific paradigm and skills coupled with a Christ-centered worldview preparing them to succeed in graduate and professional school and in a scientific, healthcare, or educational career.

#### **General Objectives**

The College seeks to train students to:

- Develop a strong foundation in the essential principles and methods of inquiry in the sciences relevant to their major
- Construct knowledge through the dynamic interaction of scientific and Christian paradigms and practices
- Cultivate ethical principles towards responsible stewardship of natural and human resources

#### **Learning Outcomes**

- Understand and apply scientific thinking and methods of inquiry
- Utilize integrative and critical thinking skills to solve problems
- Read and evaluate literature; devise, conduct, and analyze research; and effectively interpret, present and apply relevant findings
- Articulate and apply relevant scientific and Christian paradigms to their discipline
- Apply ethical principles and Christian virtues in making responsible decisions

### DEPARTMENT OF BIOLOGY

#### **Departmental Full-time Faculty**

**Caio Franca, Ph.D., Assistant Professor** (Fall 2017)

B.S., Federal University of Rio Grande do Norte

B.S., Oklahoma Baptist University

Ph.D., University of Oklahoma

**Jeffrey Griffiths, Ph.D., Associate Professor/Chair** (Fall 2010)

B.S., East Central University

Ph.D., University of Oklahoma Health Sciences Center

**David Hoekman, Ph.D., Assistant Professor** (Fall 2014)

B.S., Wheaton College

Ph.D., University of Notre Dame

**Joanne Peterson, Ph.D., Assistant Professor** (Spring 2014)

B.A., University of Central Oklahoma

B.S. Ed., University of Central Oklahoma  
 M.S., University of Central Oklahoma  
 Ph.D., University of Oklahoma Health Sciences Center

## ***Departmental Objectives***

### **GENERAL OBJECTIVES**

The department seeks to train students who:

- Have a strong foundation in the basic principles of biological science
- Observe and describe nature using the scientific method
- Utilize problem solving and critical thinking skills in exploring complex biological systems through individual and collaborative efforts
- Evaluate scientific literature and integrate it with their current body of scientific knowledge
- Articulate the integration of scientific and Christian worldviews

The department will provide pre-professional training for students planning to enter fields of biological research, environmental sciences, medicine, dentistry, veterinary or other health-related vocations, and to equip the prospective teacher of biology with a foundational understanding of the field.

### **PROFESSIONAL OBJECTIVES**

- To provide pre-professional training for students planning to enter fields of research, medicine (as a doctor or physician assistant), dentistry, pharmacy, 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 Majors***

### **BIOLOGY MAJOR**

#### ***Learning Outcomes***

Graduates will demonstrate the ability to:

- Analyze and explain biological systems at the molecular, cellular, organismal, and ecosystem level
- Utilize problem solving and critical thinking skills in exploring complex chemical and biological systems
- Plan, execute, analyze, and explain laboratory research
- Read and evaluate current biology literature and integrate it with their coursework
- Present their methods, observations, analysis and conclusions clearly
- Articulate the integration of scientific and Christian worldviews

Graduates will be prepared for a variety of professional science careers or entry into professional or graduate programs.

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.

<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>
BIOL 1314	Organismal Biology	4
BIOL 1324	Cells and Systems	4
BIOL 2124	Microbiology	4
BIOL 3124	Genetics	4
BIOL 3193	Origins	3
BIOL 3263	Cell and Molecular Biology	3
Any field course		1-4
BIOL XXXX	Additional biology electives	9-12
CHEM XXXX	Chemistry electives	8
PHYS XXXX	Physics electives	4

MATH XXX3	Mathematics elective	3
<b>Biology Major Credit Hours</b>		<b>48</b>

## BIOLOGY-CHEMISTRY MAJOR

### *Learning Outcomes*

Graduates will demonstrate the ability to:

- Analyze and explain biological systems at the molecular and cellular level
- Analyze and explain matter-energy relationships in terms of the basic principles of the chemical sciences at the structural and molecular level
- Utilize problem solving and critical thinking skills in exploring complex chemical and biological systems
- Plan, execute, analyze, and explain laboratory research
- Read and evaluate current primary chemistry and biology literature and integrate it with their coursework
- Present their methods, observations, analysis and conclusions clearly
- Articulate the integration of scientific and Christian worldviews

Graduates will be prepared for a variety of professional science careers or entry into professional or graduate programs.

The biology-chemistry major is designed for preparation of pre-health 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 .

<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>
BIOL 1314	Organismal Biology	4
BIOL 1324	Cells and Systems	4
BIOL 2XXX	BIOL 2000 level courses	4
BIOL 3124	Genetics	4
BIOL 3193	Origins	3
BIOL 3263	Cell and Molecular Biology	3
BIOL 3XXX-4XXX	BIOL 3000 or 4000 level courses for six credit hours	6
CHEM 1124 and 1224	General Chemistry I and II	4/4
CHEM 3114 and 3125	Organic Chemistry I and II	4/5
CHEM 3133	Biochemistry	3
CHEM 4191	Chemistry Seminar	1
CHEM 3024 or 4114	Analytical Chemistry or Physical Chemistry	4
<b>Biology-Chemistry Major Credit Hours</b>		<b>53</b>

### **Other Courses Strongly Recommended**

PHYS 1114 /1214	General Physics I and II	4/4
PHYS 2114/2214	General Physics for Scientists and Engineers I and II	4/4
MATH 2324	Calculus I	4

Additional courses in biology (BIOL) and chemistry (CHEM)

## ENVIRONMENTAL STUDIES MAJOR

### *Learning Outcomes*

Graduates will demonstrate the ability to:

- Understand ecological principles at the organismal, population, community and ecosystem level
- Understand the process of ecology research and gain skills in making field observations
- Demonstrate the ability to plan, execute, analyze, and explain biological research
- Evaluate ecological literature and integrate it with their current body of scientific knowledge

- Articulate the integration of scientific and Christian worldviews

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:

Course Number	Course Title	Credit Hours
<b>Biology Courses</b>		
BIOL 1314	Organismal Biology	4
BIOL 1324	Cells and Systems	4
BIOL 2124	Microbiology	4
BIOL 3124	Genetics	4
Total Biology Core Course Credits		16
* Field biology courses		16

### Other Courses

CHEM 1124 and 1224	General Chemistry I and II	4/4
CHEM 3114	Organic Chemistry I	4
BIOL 3154	General Ecology	4

**Environmental Studies Major Credit Hours** **48**

### Other courses strongly recommended:

PHYS 1114	General Physics I	4
STAT 3143	Statistical Methods	3
CHEM 3024	Analytical Chemistry	4
CHEM 3133	Biochemistry	3
BIOL 3263	Cell and Molecular	3

\*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 AuSable 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:

BIOL 1013	Environmental Sustainability	3
BIOL 3192	Environmental Monitoring (QERC)	2
BIOL 3105	Tropical Ecology (QERC)	5
BIOL 4003	Tropical Field Research (QERC)	3
HP 4303	American Environmental History	3

## BIOLOGY EDUCATION EMPHASIS

Course Number	Course Title	Credit Hours
MATH 1133	Math Concepts: Probability & Statistics	3
CHEM 1124	General Chemistry I	4
CHEM 1224	General Chemistry II	4
PHYS 1114	General Physics I	4
PHYS 1214	General Physics II	4
NS 1143	Earth and Sky	3
NS 3121	Lab Safety & Animal Welfare	1
BIOL 1314	Organismal Biology	4
BIOL 1324	Cells & Systems	4
BIOL 3124	Genetics	4
BIOL 3154	General Ecology	4
BIOL 3193	Origins	3
BIOL 4181	Research in Biology	1
	Biology Elective	1

**Biology Teacher Education Emphasis Credit Hours** **45<sup>^</sup>**

<sup>^</sup>See also Teacher Education for certification requirements.

The biology courses listed above are considered the minimum for a solid content knowledge in biology teaching. The following courses are strongly recommended to round out and strengthen biology core knowledge.

Course Number	Course Title	Credit Hours
BIOL 3263	Cell and Molecular Biology	4
BIOL 2224	Human Anatomy	4
BIOL 2124	Microbiology	4
BIOL 2234	Human Physiology	4

### ***Departmental Minor***

#### **BIOLOGY MINOR**

All students desiring a minor in biology will complete Organismal Biology (BIOL 1314) and Cells and Systems (BIOL 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.

Course Number	Course Title	Credit Hours
QERC/BIOL 3105	Tropical Ecology and Sustainability	5
QERC/BIOL 4003	Tropical Field Research	3
QERC/THEO 3263	Biblical Theology and Global Stewardship	3
QERC/SPAN 3333	Applied Cultural Integration: Hispanic Area Studies	3
<b>Elective Courses</b>		
Choose one two-credit hour course below		
QERC/BIOL 3182	Environmental Monitoring	2
QERC/BIOL 4122	Tropical Medicine	2
<b>Tropical Studies Program Credit Hours</b>		<b>16</b>

## **DEPARTMENT OF CHEMISTRY**

### ***Departmental Full-time Faculty***

**Lisa Crow, Ph.D., Associate Professor/Chair** (Spring 2008)

B.A., Greenville College  
M.S., University of Oklahoma  
Ph.D., University of Oklahoma

**Shawna York, Ph.D., Professor** (Fall 2012)

B.S., Southern Nazarene University  
M.S., University of Oklahoma  
Ph.D., University of Oklahoma

### ***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 aid the student in understanding and articulating:

- The quantitative relationships that exist between materials involved in chemical changes

- The atomic and structural viewpoint of nature
- How a chemist asks and answers questions related to natural world
- The integration of scientific truth and faith in Christ
- The relationship of chemistry to the other scientific disciplines
- The responsibilities the chemist has to their world

To provide the student with hands on operational and interpretive experience with the laboratory equipment used in modern chemistry laboratories. To promote safe laboratory practices and carry out responsible disposal techniques.

To prepare the students for a variety of professional science careers or entry into graduate programs.

To train the student in reading and evaluating current primary chemistry literature and integrating it with their chemistry coursework; and to present their laboratory results according to the standards of the ACS.

### ***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**

### ***Learning Outcomes***

Graduates will demonstrate the ability to:

- Analyze and explain matter-energy relationships in terms of the basic principles of the chemical sciences at the structural and molecular level
- Utilize problem solving and critical thinking skills in exploring complex chemical systems
- Plan, execute, analyze, and explain laboratory research
- Read and evaluate current primary chemistry literature and integrate it with their coursework
- Present their methods, observations, analysis and conclusions clearly
- Articulate the integration of scientific truth and faith in Christ

Graduates will be prepared for a variety of professional science careers or entry into professional or graduate programs.

The chemistry major consists of at least 32 credit hours for a B.S. in the department.

<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>
CHEM 1124 and 1224	General Chemistry I and General Chemistry II	4/4
CHEM 3024	Analytical Chemistry	4
CHEM 3114 and 3125	Organic Chemistry I and II	4/5
CHEM 4114	Physical Chemistry	4
CHEM 4191	Seminar in Chemistry	2
CHEM XXXX	Chemistry Electives	5
<b>Chemistry Major Credit Hours</b>		<b>32</b>

Courses strongly recommended for students planning to enter graduate programs in chemistry are:

CHEM 3133	Biochemistry	3
CHEM 3253	Instrumental Analysis	3
CHEM 4134	Advanced Inorganic Chemistry	4
CHEM 4211	Chemical Kinetics	1
CHEM 4181	Research Projects	1
PHYS 2114	General Physics I	4
PHYS 2214	General Physics II	4
MATH 2324 and 2424	Calculus I and Calculus II	4/4

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 2444 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

## CHEMISTRY EDUCATION EMPHASIS

Course Number	Course Title	Credit Hours
MATH 2324	Calculus I	4
PHYS 1114	General Physics I	4
PHYS 1214	General Physics II	4
NS 1143	Earth and Sky	3
NS 3121	Lab Safety & Animal Welfare	1
BIOL 1113	Intro to Biological Science	3
CHEM 1124	General Chemistry I	4
CHEM 1224	General Chemistry II	4
CHEM 3024	Analytical Chemistry I	4
CHEM 3114	Organic Chemistry I	4
CHEM 3125	Organic Chemistry II	5
CHEM 4181	Research Project in Chemistry	1
	Chemistry Elective	3

**Chemistry Teacher Education Emphasis Credit Hours** **44<sup>^</sup>**

<sup>^</sup>See also Teacher Education for certification requirements.

Elective—Teacher candidates may take on of the following two options depending on teaching goals:

\*CHEM 3133 Biochemistry (3 hours) if planning on only teaching chemistry

\*PHYS 2313 Atomic/Nuclear Physics (3 hours) if planning on teaching chemistry and physics.

## Departmental Minor

### CHEMISTRY MINOR

The following courses (15-16 credit hours) are required to complete a minor in chemistry.

Course Number	Course Title	Credit Hours
CHEM 1124	General Chemistry I	4
CHEM 1224	General Chemistry II	4
CHEM 3114	Organic Chemistry I	4
<i>Choose one of the following</i>		
CHEM 3024	Analytical Chemistry	4
CHEM 3253	Instrumental Analysis	3
CHEM 4114	Physical Chemistry	4
CHEM 4133	Advanced Inorganic Chemistry	3

**Chemistry Minor Credit Hours** **15-16**

## DEPARTMENT OF COMPUTER SCIENCE/NETWORK ENGINEERING

### Departmental Full-time Faculty

**Brent Eskridge, Ph.D., Professor/Chair** (Fall 2004)

B.S., Southern Nazarene University

M.S., University of Oklahoma

Ph.D., University of Oklahoma

**Mark Murray, B.S., Associate Professional Specialist** (Fall 2014)

B.A., Southern Nazarene University

B.S., Southern Nazarene University

## 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 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

### Learning Outcomes

The graduate will

- Advance in graduate studies or be successful practitioners in applied or theoretical computing-related fields
- Demonstrate knowledge of and be able to apply important data structures and algorithms at a high level
- Demonstrate knowledge and skills necessary to design and implement complex functionality for a software application developed in a major programming language
- Demonstrate knowledge and skills necessary to design and implement a medium to large-scale software development project

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.

Course Number	Course Title	Credit Hours
<b>Computer Science Courses</b>		
CSNE 2444	Introduction to Computer Science I	4
CSNE 2543	Introduction to Computer Science II	3
CSNE 2913	Computer Hardware and Networking	3
CSNE 2923	Data Structures	3
CSNE 3213	Computer Architecture	3
CSNE 3953	Object-Oriented Analysis & Design	3
CSNE 4233	Operating Systems	3
CSNE 4243	Database Systems	3
CSNE 4323	Software Engineering	3
CSNE 4443	Computer Science Practicum	3
MATH 3013	Discrete Math	3
MATH 3143	Probability & Statistics I	3
<b>Electives</b> (choose from the following list of courses for a total of 13 credit hours)		
CSNE 3173	Intermediate Object-Oriented Programming	3
CSNE 3183	Procedural Programming	3
CSNE 3193	Seminar: Program Languages	3
CSNE 4181-3	Computer Science Seminar	1-3
CSNE 4233	Network Security I	3
CSNE 4313	Algorithm Analysis	3
CSNE 4353	Server-based Software Development	3
CSNE 4441-3	Computer Science Practicum ( <i>In addition to required</i> )	1-3
CSNE 4513	Machine Learning	3
CSNE 4533	Artificial Intelligence	3
CHEM 1124	General Chemistry I	4
ENGL 3143	Technical Communications	3
MATH 3133	Linear Algebra	3
MATH 3153	Probability and Statistics II	4

PHYS 2114	General Physics I for Scientists and Engineers	4
<b>Computer Science Major Credit Hours</b>		<b>50</b>
<i>All prerequisite course grades must be “C” or higher.</i>		

## NETWORK ENGINEERING MAJOR

### *Learning Outcomes*

The graduate will:

- Advance in graduate studies or be successful practitioners in network engineering related fields
- Demonstrate knowledge of and be able to apply important server administration and management concepts in real-world situations
- Demonstrate an ability to design and implement network infrastructure which combines, at a minimum, multiple routers and switches
- Demonstrate knowledge of and be able to apply important network security concepts

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.**

### ADMISSION TO NETWORK ENGINEERING PROGRAM

All students who wish to pursue the Network Engineering program and enroll in upper-division courses are required to apply and be admitted. This process must be completed preceding enrollment in any 3000-level or above course. Applications may be made after the following requirements are met:

- Completion of 24 hours with a minimum cumulative GPA of 2.75
- Completion of CSNE 2913 Computer Hardware and networking with a “C” or better; and
- Completion of A+ certification requirements.

Once the application has been submitted, a screening committee will determine the student’s admission status to the program.

If a student falls below the minimum cumulative GPA of 2.75 for two semesters, the student will no longer be in the Network Engineering program and will not be allowed to enroll in upper-division courses (i.e., 3000-level and above). The student may be on probation for one semester, but if the minimum GPA is not regained, the student will need to remediate by retaking courses and must reapply to the program.

### NETWORK ENGINEERING PROGRAM GRADUATION REQUIREMENTS

As a part of the Network Engineering curriculum, students take courses that prepare them for Microsoft Server certification and Cisco networking certification exams. Students are required to take the specified exams for both certifications and complete the requirements for at least one in order to be eligible for graduation. Students are also offered the opportunity to take other certification exams such as A+ and Security+ as a part of the program, but these are not required for graduation. Lastly, students in the Network Engineering curriculum must either complete an internship or a semester-long project as a part of CSNE 4443 Computer Science Practicum to be eligible for graduation.

Course Number	Course Title	Credit Hours
CSNE 2444	Introduction to Computer Science I	4
CSNE 2913	Computer Hardware and Networking	3
CSNE 3413	Windows Networking I	3
CSNE 3673	Network Administration I	3
CSNE 3683	Network Administration II	3
CSNE 3813	Windows Networking II	3
CSNE 3913	Routers and Switches I	3
CSNE 3923	Routers and Switches II	3
CSNE 4113	Windows Networking III	3

CSNE 4233	Network Security I	3
CSNE 4243	Database Systems	3
CSNE 4333	Network Security II	3
CSNE 4443	Computer Science Practicum	3
MGT 2113	Principles of Management	3
BADM 3103	Business Communications	3
Electives	Choose electives totaling 9 credit hours	9

*Recommended Elective Courses*

ACC 2113	Accounting I	3
MGT XXX3	Management Elective	3
BADM 3143	Technical Communications	3
CSNE 3XXX	Upper-division Networking or Computer Science Elective	
CSNE 4XXX	Upper-division Networking or Computer Science Elective	

**Network Engineering Major Credit Hours 55***All prerequisite course grades must be “C” or higher.***SOFTWARE DEVELOPMENT*****Learning Outcomes***

Graduate will:

- Advance in graduate studies or be successful practitioners in applied or theoretical fields computing -related fields
- Demonstrate knowledge of and be able to apply important data structures and algorithms
- Demonstrate knowledge and skills necessary to design and implement complex functionality for a software application developed in a major programming language
- Demonstrate knowledge and skills necessary to design and implement a medium to large-scale software development project
- Develop a strong background in an area of emphasis outside the field of computer science to which software development can be applied

This major 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.

<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>
CSNE 2444	Introduction to Computer Science I	4
CSNE 2543	Introduction to Computer Science II	3
CSNE 2923	Data Structures	3
CSNE 3XXX	CSNE 3000-level programming electives	6
CSNE 3953	Object-oriented Analysis & Design	3
CSNE 4243	Database Systems	3
CSNE 4323	Software Engineering	3
CSNE 4353	Server-based Software Development	3
CSNE 4443	Computer Science Practicum (two semesters)	6
Electives	At least 20 credit hours outside of CSNE	20+

**Software Development Major Credit Hours 54+***All prerequisite course grades must be “C” or higher.*

## ***Departmental Minors***

### **COMPUTER SCIENCE**

Students desiring a minor in Computer Science will complete Introduction to Computer Science I and II (CSNE 2443 and 2543), Data Structures (CSNE 2923), and at least 9 additional credit hours in upper-division courses (3000-4000). All courses must be completed with a grade of “C” or better. Courses must be selected in consultation with the Computer Science/Network Engineering chair.

### **NETWORK ENGINEERING**

Students desiring a minor in Network Engineering will complete Computer Hardware and Networking (CSNE 2913), Network Security I (CSNE 4233) and at least 12 additional credit hours in upper-division courses (3000-4000). All courses must be completed with a grade of ‘C’ or better. Courses must be selected in consultation with the Computer Science/Network Engineering chair.

## **DEPARTMENT OF MATHEMATICS**

### ***Departmental Full-time Faculty***

**Nathan Drake, Ph.D., Associate Professor** (Fall 2016)

B.A., MidAmerica Nazarene University

M.S., Clemson University

Ph.D., Clemson University

**Nicholas Zoller, Ph.D., Associate Professor/Chair** (Fall 2009)

B.A., Messiah College

M.S., Lehigh University

Ph.D., Lehigh University

### ***Departmental Learning Outcomes***

The graduate in Mathematics will be able to:

- Understanding of Mathematics-Demonstrate knowledge of mathematics at a level that will provide a context for their choice of career and/or graduate study
- Problem Solving Strategies-Apply a variety of appropriate problem solving strategies both individually and as part of a group
- Conjecturing and Arguments-Make mathematical conjectures and develop arguments using various types of reasoning
- Mathematical communication-Communicate their mathematical thinking clearly to others in both oral and written forms
- Mathematical connections-Demonstrate understanding of how mathematical concepts interconnect and the connections between mathematics and other disciplines

### ***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 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.

Course Number	Course Title	Credit Hours
<b>Calculus Courses *</b>		
MATH 2324	Calculus I	4
MATH 2424	Calculus II	4
MATH 2524	Calculus III	4
<b>Electives</b>		
MATH 3XX3	Choose eight MATH courses numbered above 3000	24
<b>Capstone Courses</b>		
MATH 3191	Junior Colloquium in Mathematics	1
MATH 4171	Mathematics Seminar	1
MATH 4191	Senior Research in Mathematics	1
<b>Mathematics Major Credit Hours for B.S. Degree</b>		<b>39</b>

\* 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. Additional language requirement (6 hrs).

### ***Departmental Emphases***

Mathematics majors may also choose various emphases. The following are suggested courses for each.

#### **GRADUATE SCHOOL - MATH OR COGNATE AREA EMPHASIS**

Course Number	Course Title	Credit Hours
MATH 2324	Calculus I	4
MATH 2424	Calculus II	4
MATH 2524	Calculus III	4
MATH 3113	Differential Equations	3
MATH 3133	Linear Algebra	3
MATH 3143	Probability and Statistics I	3
MATH 3191	Junior Colloquium in Mathematics	1
MATH 3213	Introduction of Analysis	3
MATH 4103	Introduction to Modern Algebra	3
MATH 4153	Complex Variables	3
MATH 4171	Mathematics Seminar	1
MATH 4191	Senior Research in Mathematics	1
MATH 3XXX	3000-level MATH electives totaling six credit hours	6
<b>Graduate School - Math or Cognate Area Emphasis Credit Hours</b>		<b>39</b>

#### **MATHEMATICS EDUCATION EMPHASIS**

##### ***Learning Outcomes***

- Understanding of Mathematics-Demonstrate knowledge of mathematics at a level that will provide a context for the content of their teaching level
- Problem Solving Strategies-Apply a variety of appropriate problem solving strategies both individually and as part of a group
- Conjecturing and Arguments-Make mathematical conjectures and develop arguments using various types of reasoning
- Mathematical communication-Communicate their mathematical thinking clearly to others in both oral and written forms
- Mathematical connections-Demonstrate understanding of how mathematical concepts interconnect and the connections between mathematics and other disciplines.

Course Number	Course Title	Credit Hours
CSNE 2444	Intro to Computer Science I	4
MATH 2324	Calculus I	4

MATH 2424	Calculus II	4
MATH 2524	Calculus III	4
MATH 3013	Discrete Mathematical Structures	3
MATH 3103	Number Theory	3
MATH 3133	Linear Algebra	3
MATH 3143	Probability and Statistics I	3
MATH 3191	Junior Colloquium in Mathematics	1
MATH 3223	History of Mathematics	3
MATH 4013	Introduction to Modern Algebra	3
MATH 4123	College Geometry I	3
MATH 4133	College Geometry II	3
MATH 4171	Mathematics Seminar	1
MATH 4191	Senior Research in Mathematics	1
<b>Mathematics Teacher Education Emphasis Credit Hours</b>		<b>43<sup>^</sup></b>

<sup>^</sup> See also Teacher Education for certification requirements.

### *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 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** (Fall 2004)

B.S., Greenville College

M.S., University of Kansas

Ph.D., Kansas State University

### *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, field trips, and engagements with 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.

### *Learning Outcomes*

Students will be able to demonstrate their understanding of the foundations of physics (classical mechanics, optics, electricity and magnetism, atomic and nuclear physics, thermodynamics and statistical mechanics, and quantum mechanics) by demonstrating competence in problem solving, mathematical modeling, and comparing models to data, the major through appropriate homework assignments, examinations, and laboratory experiences.

Students will be able to demonstrate competent participation in the wider physics community, including but not limited to:

- Presenting and defending research projects at professional society meeting and/or colloquia and field trips to significant physics sites;
- Participation in professional society life, e.g., through the Society of Physics Students;
- Participation in undergraduate research projects and/or internships

Upon taking the foundational courses in physics along with computer science and advanced undergraduate mathematics, students will be able to integrate knowledge and skills acquired in the major to succeed in graduate studies and a professional career.

## PHYSICS MAJOR

The physics Bachelor's degree requires a minimum of 32 hours, not including various mathematics prerequisites (at least three semesters of Calculus), 12 hours). Of the 32 hours, 26 form a required core. The remaining 6 (or more) hours are selected from various electives. The 26-hour core consists of:

Course Number	Course Title	Credit Hours
<b>Physics Core Courses</b>		
PHYS 2114	General Physics for Scientists and Engineers I	4
PHYS 2214	General Physics for Scientists and Engineers II	4
PHYS 3173	Waves and Optics <sup>#</sup>	3
PHYS 3191	Selected Topics in Physics <sup>^*</sup>	1
PHYS 3213	Quantum Mechanics I	3
PHYS 4123	Electricity and Magnetism I	3
PHYS 4133	Classical Mechanics I	3
PHYS 4151	Advanced Physics Laboratory <sup>^</sup>	1
PHYS 4181	Directed Research <sup>^</sup>	1
PHYS 4213	Statistical Mechanics	3
The remaining 6 or more hours may be selected from physics electives above PHYS 2214:		
PHYS 2313	Introduction to Atomic & Nuclear Physics	3
PHYS 3113	Astronomical Basis of Life on Earth	3
PHYS 3191-3	Selected Topics in Physics <sup>^*</sup>	1-3
PHYS 3223	Quantum Mechanics II	3
PHYS 4114	Physical Chemistry <sup>‡</sup>	4
PHYS 4143	Classical Mechanics II	3
PHYS 4223	Electricity & Magnetism II	3
PHYS 4311-2	General Relativity <sup>+</sup>	1-2

<sup>^</sup> May be repeated for additional credit.

<sup>\*</sup> At least one hour of Selected Topics courses (PHYS 3191) is required. PHYS 3191 topics have included Physics of Music; Medical Physics, Nuclear Physics, and Cosmology. PHYS 3193 (3 hour) topics have included Philosophy of Science and Einstein's science and Ethics.

<sup>‡</sup> Cross-listed with CHEM 4114.

**Physics Major Credit Hours** **32**

## PHYSICS MINOR

The physics minor consists of 11 credit hours of physics beyond General Physics I (PHYS 2214).

## PHYSICS EDUCATION EMPHASIS

Course Number	Course Title	Credit Hours
MATH 2324	Calculus I	4
MATH 2424	Calculus II	4
CHEM 1124	General Chemistry I	4
CHEM 1224	General Chemistry II	4
PHYS 1123	Intro to Astronomy	3

NS 1143	Earth and Sky	3
NS 3121	Lab Safety & Animal Welfare	1
BIOL 1113	Intro to Biological Science	3
PHYS 2114	General Physics for Scientists/Eng. I	4
PHYS 2214	General Physics for Scientists/Eng. II	4
PHYS 2313	Atomic & Nuclear Physics	3
PHYS 3191	Selected Topics in Physics	1
PHYS 4151	*Advanced Physics Lab	1
PHYS 4181	Directed Research	1
	Elective	4

### Physics Teacher Education Emphasis Credit Hours **44<sup>^</sup>**

<sup>^</sup>See also Teacher Education for certification requirements.

Elective—Teacher candidates may take on one of the following two options depending on teaching goals:

\*CHEM 3114 Organic Chemistry I (4 hours) if planning on teaching chemistry and physics

\*PHYS 3173 Waves and Optics (3 hours) and an additional PHYS 3191 Selected Topics or Physics (1 hour) if planning on only teaching physics

The physics courses listed above are considered the minimum for a solid content knowledge in high school physics teaching. Calculus III and at least one of the following physics courses are strongly recommended to round out and strengthen physics core knowledge:

MATH 2524 Calculus III (4 hours)

PHYS 4123 Electricity & Magnetism I (3 hours)

PHYS 3213 Quantum Mechanics I (3 hours)

PHYS 4133 Classical Mechanics I (3 hours)

### ***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<sup>‡</sup> (such as physical chemistry, biological physics, medical physics, radiology, meteorology, geophysics, astrophysics, etc.) or other professions that rely heavily on mathematical modeling (e.g., actuarial science). Pre-engineering is a popular option.

### ***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 and Society of Physics Student 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. Towards the end a suggested two-year course of study at SNU is outlined below.

Course Number	Course Title	Credit Hours
<b>First Semester</b>		
ENGL 1113	Composition I	3
CHEM 1124	General Chemistry I	3
MATH 2324 or 2424	Calculus I or Calculus II	4
PHYS 2313	Introduction to Atomic and Nuclear Physics	3
	General Education Courses	3
		<b>Semester Credit Hours 16</b>
<b>Second Semester</b>		
ENGL 1213	Composition II	3

CHEM 1224	General Chemistry II	4
MATH 2424	Calculus II	4
	General Education Courses	3

**Semester Credit Hours 14****Third Semester**

PHYS 2114	General Physics I for Scientists and Engineers	4
CSNE 2444	Introduction to Computer Science I	4
MATH 3164	Calculus III	4
	General Education Courses	3

**Semester Credit Hours 15****Fourth Semester**

PHYS 2214	General Physics II for Scientists and Engineers	4
CSNE 2543	Introduction to Computer Science II	3
MATH XXXX	Math elective	3
	General Education Courses	7

**Semester Credit Hours 17****Pre-engineering Program Credit Hours 62**

#<https://www.spsnational.org/career-resources/what-can-i-do-physics-degrees>  
<https://www.aip.org/statistics/reports/physics-bachelorsone-year-after-degree>

## DIVISION OF SOCIAL AND BEHAVIORAL SCIENCES

*Department of History, Politics and Law*  
*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.

## DEPARTMENT OF HISTORY, POLITICS, AND LAW

### *Departmental Full-time Faculty*

**Lauren Brand, Ph.D., Assistant Professor** (Fall 2017)

B.A., Southern Nazarene University  
M.A., Rice University  
Ph.D., Rice University

**Heather Clemmer, Ph.D., 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

**Anthony D. Rodin, Ph.D., Assistant Professor** (Fall 2015)

B.A., Whitworth University  
M.A., Purdue University  
Ph.D., Purdue University

**Dennis Williams, Ph.D., Professor/Vice Provost & Dean, College of Teaching & Learning** (Spring 1994)

B.A., Southern Nazarene University  
M.A., Texas Tech University  
Ph.D., Texas Tech University

### *Departmental Objectives*

The Department of History, Politics, and Law offers programs of study that provide students with a variety of courses and practical experiences that deepen and enhance their ability to:

- Collect and discern valid information and critically analyze their findings
- Effectively communicate in written and interpersonal situations
- Engage in research utilizing appropriate methodologies
- Be a competitive candidate in numerous fields of employment and/or pursue further learning in graduate or law school
- Within the framework of a Christian worldview, assess their role and responsibilities as a local, national and global citizen

### **HISTORY PROGRAM**

#### *Learning Outcomes*

Throughout their studies, successful students in history will be able to:

- Clearly evaluate the assumptions, presuppositions, and arguments embedded in secondary sources
- Interpret the meaning of peoples as expressed in their writings (primary documents) and to explain effectively the impact their ideas had on their culture
- Conduct sound historical research that includes identifying relevant information, evaluating

authority, and retrieving, recording and managing information for use in research

- Place events and their participants into historical and chronological context and to explain why actions that took place in the past are historically significant
- Develop awareness of where history took place by locating regions, countries, cities, and other geographic features on world maps

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**

### ***Learning Outcomes***

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 should provide developmentally appropriate experiences as they guide learners in the study of

- Culture and culture diversity
- Time, continuity and change
- People, places and environments
- Individual human development and identity
- Interactions among individuals, groups and institutions
- Power, authority and governance
- How people organize for the production, distribution, and consumption of goods and services
- Science and technology as they impact society
- Global connections and interdependence
- Civic ideals and practices

## **POLITICS AND LAW PROGRAM**

### ***Learning Outcomes***

Throughout their studies, students in politics and law will become increasingly better able to:

- Explain the main subfields of political science: international relations, American politics, comparative politics and political philosophy
- Understand how the judicial process works at the community, state and federal level and how it impacts their lives as citizens
- Analyze contemporary events within the frame of political science
- Articulate what it means to be a Christian in a political world at the national and global levels
- Synthesize and critique existing works and theories
- Identify, pursue and effectively write up new areas of research within political science

### ***Departmental Majors***

Three majors are available through the Department of History, Politics, and Law. 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**

<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>
HP 1483	U.S. History I	3
HP 1493	U.S. History II	3
HP 1533	Modern World**	3
HP 2013	World Civilizations I	3
HP 2113	Historical Methods	3
HP 4393	Field Studies in History	3
HP 4912	Senior Project (repeated for four credit hours total)	4
Electives *	(as specified by the department)	24
<b>History Major Credit Hours</b>		<b>46</b>
Additional Language Requirement		6

\* 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**

<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>
HP 1113	American Federal Government	3
HP 1483	U.S. History I	3
HP 1493	U.S. History II	3
HP 2123	Introduction to Political Studies	3
HP 2143	Introduction to Law	3
Electives (as specified by the department)		24

**Political Science Introductory Track:**

HP 3213/SOC 3213	Political and Social Philosophy	3
HP 2333	Introduction to International Relations	3
HP 4133	Comparative Politics	3

**Pre-Law Introductory Track:**

PHIL 3123	Logic	3
PHIL 3223	Ethics	3
HP 4191-3	Internship	1-3

**Politics and Law Major Credit Hours** **48**

Additional Language Requirement		6
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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:

<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>
HP 1113	American Federal Government	3

HP 1483 and 1493	U.S. History I and U.S. History II	3/3
HP 2013	World Civilizations I	3
HP 1533	Modern World **	3
HP 2113	Historical Methods	3
HP 2503	World Regional Geography	3
HP 2123	Introduction to Political Science	3
HP 4363	Oklahoma History	3
SOC 1113	Introduction to Sociology	3
ECO 2113 or 2123	Macroeconomics or Microeconomics	3
Non-HP Elective		3
HP Electives *		9
<b>Social Studies Education Major Credit Hours</b>		<b>45</b>

\* 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.

### ***Multi-disciplinary Major*** **GLOBAL STUDIES PROGRAM (GSP)**

GSP is a multi-disciplinary program that explores contemporary contexts of culture, language and religion to prepare students for service in international settings including education, translation, non-profit organizations, intergovernmental agencies and missions.

The Global Studies Program will:

- Provide students with a substantial international learning experience.
- Provide students with a substantial opportunity for service learning in the non-profit sector.
- Require proficiency in a foreign language
- Give the students the requisite thinking and writing skills for proposals and grant writing.

<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>
<b>Core Courses</b>		
<b><u>History and Politics</u></b> (9 credit hours)		
HP 2503	World Regional Geography	3
HP 2123	Introduction to Political Studies	3
<i>Choose one of the following courses:</i>		
HP 2333	Introduction to International Relations	3
HP 4133	Comparative Politics	3
<b><u>Religion</u></b> (9 credit hours)		
MISS 3053	International Economic Development	3
MISS 4333	World's Living Religions	3
SOC 4183	Cultural Anthropology	3
<b><u>Language and Culture</u></b> (9 credit hours)		
SP C 4233	Intercultural Communication	3
<i>Choose one of the following courses:</i>		
ENGL 4133	Technical Communications	3
ENGL 3113	Grant Writing	3
XXXX XXX3	Non-profit Leadership	3
<b>Total Core Courses</b>		<b>27</b>
<b>Language Class</b>		
Choose six hours above the elementary level		6
<b>Electives</b> —Choose a total of 12 credit hours		
ENGL 3323	Survey of World Literature	3
SPAN 3453	Commercial Spanish	3
SPAN 3323	Hispanic Area Studies	3

HP 3433	Modern Europe	3
HP 3993	Modern Middle East	3
HP 4123	Modern East Asia	3
HP 4163	Modern Russia & East Europe	3
HP 4173	Modern Latin America	3
MISS 2113	Introduction to Christian Missions	3
MISS 2253	Mission Strategies	3
<b>Total Elective Classes</b>		<b>12</b>
<b>Total Global Studies Program Major</b>		<b>45</b>

### ***Departmental Minors***

#### **HISTORY MINOR**

Eighteen credit hours above the freshman level must be chosen in consultation with the department.

## **DEPARTMENT OF PSYCHOLOGY AND COUNSELING**

### ***Departmental Full-time Faculty***

**Scott Drabenstot, Ph.D., Assistant Professor** (Fall 2013)

B.S., Southern Nazarene University

M.S., Southern Nazarene University

Ph.D., University of Oklahoma

**Anna R. Harper, Assistant Professor** (Fall 2015)

B.S., Mount Vernon Nazarene University

M.A., Bowling Green State University

Ph.D., Bowling Green State University

**Paul Jones, Ph.D., Associate Professor** (Fall 2008)

B.S., Southern Nazarene University

M.A., Fuller Theological Seminary

Ph.D., Fuller Theological Seminary

**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 Mission***

The mission of the Southern Nazarene University Department of Psychology and Counseling is to partner with the university and students for the sake of developing persons who embody compassion, patience, presence, curiosity, thoughtfulness, and imagination. As a university rooted in the Wesleyan theological tradition, we invite our students to live relationally, to embody service and social justice, to use empirically sound methods, and to reflect thoughtfully about self, others, and creation.

### ***Learning Outcomes***

Goal #1—Knowledge Base in Psychology

1.1. Describe key concepts, principles, and overarching themes in psychology.

1.2. Develop a working knowledge of psychology's content domains.

1.3. Describe application of psychology

Goal #2—Scientific Inquiry and Critical Thinking

2.1 Use scientific reasoning to interpret psychology's content domains.

2.2 Demonstrate psychological information literacy

- 2.3 Engage in innovative and integrative thinking and problem solving
- 2.4 Interpret, design, and conduct basic psychological research
- 2.5 Incorporate sociocultural factors in scientific inquiry
- Goal #3—Ethical and Social Responsibility in a Diverse World
  - 3.1 Apply ethical standards to evaluate psychological science and practice
  - 3.2 Build and enhance interpersonal relationship
  - 3.3 Adopt values that build community at local, national, and global levels.
  - 3.4 Develop an understanding of how the Christian faith might dialogue with psychological science
- Goal #4—Communication
  - 4.1 Demonstrate effective writing for different purposes
  - 4.2 Exhibit effective presentation skills for different purposes
  - 4.3 Interact effectively with others
- Goal#5—Professional Development
  - 5.1 Apply psychological content and skills to career goals
  - 5.2 Exhibit self-efficacy and self-regulation
  - 5.3 Refine project-management skills
  - 5.4 Enhance teamwork capacity
  - 5.5 Develop meaningful professional direction for life after graduation

## ***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:

<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>
PSY 1113	General Psychology	3
PSY 1131	General Psychology Lab	1
PSY 2173	Developmental Psychology Across the Lifespan	3
STAT 3143	Statistical Methods	3
PSY 3153	Research Design	3
PSY 3174	Physiological Psychology with Lab	4
PSY 4273	History and Systems of Psychology	3
PSY 4492	Senior Colloquium	2
<b>Electives</b>	Choose at least 17 credit hours of electives	17
<b>Psychology Major for B.A. Degree Credit Hours</b>		<b>39</b>
Additional Language Requirement		6

### **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 (PSY 1113), 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.

<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>
<b>Introductory Courses</b>		
PSY 1113	General Psychology	3
PSY 1131	General Psychology Laboratory	1
PSY 2173	Developmental Psychology Across the Lifespan	3
<b>Methodology Courses</b>		
STAT 3143	Statistical Methods	3
PSY 3153	Research Design (Prerequisite: STAT 3143)	3
STAT 3243	Computer-Packaged Stats (Prerequisite: STAT 3143)	3
PSY 3161	Senior Thesis (Prerequisite: PSY 3153)	1
<b>Core Content Courses</b>		
PSY 3113	Social Psychology	3
PSY 3174	Physiological Psychology (with lab)	4
PSY 3193	Learning and Cognition	3
PSY 4153	Psychology of Personality	3
PSY 4273	History and Systems	3
<b>Integrative Courses</b>		
PSY 4391-2	Practicum	1-2
PSY 4492	Senior Colloquium in Psychology	2
<b>Electives</b>	Chosen from any of the three areas listed below	<b>9</b>
<i>Specialty Electives</i>		
PSY 3203	Industrial/Organizational Psychology	3
PSY 4113	Psychology of Religion	3
PSY 3183	Psychological Testing	3
PSY 4373	Special Topic: Psychology and Law	3
PSY 4373	Special Topic: Sport Psychology	3
PSY 3433	Death and Dying	3
<i>Clinical Electives</i>		
PSY 4103	Abnormal Psychology	3
PSY 4213	Principles of Counseling	3
PSY 4263	Techniques of Counseling	3
PSY 2353	Interviewing Techniques	3
<i>Basic Electives</i>		
PSY 2102	Self-Concept Development	2
PSY 1121	Careers in Psychology	1
<b>Nondepartmental Requirements</b> (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 (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.

### Departmental Minor

#### PSYCHOLOGY MINOR

A minimum of 18 credit hours is required to complete a minor in psychology, and must include the following courses:

Course Number	Course Title	Credit Hours
PSY 1113	General Psychology	3
PSY 1131	General Psychology Lab	1

*Choose one of the following*

PSY 3153 * and 3161	Research Design and Senior Thesis	4
PSY 4273	History and Systems of Psychology	3

- Statistical Methods (STAT 3143) is strongly recommended and is a prerequisite for Research Design (PSY 3153).

### QUANTITATIVE RESEARCH MINOR

A minimum of 18 credit hours is required to complete a minor in quantitative research, and must include the following courses:

Course Number	Course Title	Credit Hours
STAT 3143	Statistical Methods	3
PSY 3153	Research Design	3
STAT 3243	Computer-Packaged Statistics	3

*Choose nine hours of the following:*

PSY 3183	Psychological Testing	3
ENGL 3113	Grantwriting for Non-Profits	3
MATH 3143	Probability and Statistics I	3
PSY 3161	Senior Thesis	1
SOC 3141-3 OR PSY 4391-3	Practicum/Internship	1-3

\*Special Topics courses with Program Director approval

## DEPARTMENT OF SOCIOLOGY

### Departmental Full-time Faculty

**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

## Learning Outcomes

Sociology Graduates will demonstrate:

- The application of the sociological imagination, sociological principles and concepts to understanding their own life and the society around them
- An understanding that each theoretical perspective in sociology is a product of its era and how each perspective has its own strengths and weaknesses
- An ability to work from evidence gathered by both qualitative and quantitative methods, design a research study of his or her own, and critically assess the research presented by others
- Technical skills in retrieving information and data from the Internet, as well as using computers for data analysis. Graduates will also show the ability to present their findings in a format usable by others that reflects best practices for social scientists
- An understanding of the interconnected nature of each individual's life with the broader social context in which he or she lives, and how a change in one part of society impacts both other parts of society and the lives of individuals. The graduate will thus be able to think through the policy implications of decisions and actions made by leaders in both the government and the private sector.
- Empathy for how individuals have been shaped by their circumstances, yet insight into how individuals can make changes in their lives to move toward their goals and impact the broader society
- An awareness of the various kinds of diversity in the world (e.g. race, class, gender, age, cultural background) and an ability to dialogue with those whose perspective is different than their own
- The development of personal and professional responsibility as an educated person of faith

These goals are a shortened and modified version of those given in the American Sociological Association's 2004 publication *Liberal Learning and the Sociology Major Updated: Meeting the Challenge of Teaching Sociology in the Twenty-First Century* by K. McKinney, C. Howery, K. Starnd, E. Kain, and C. Berheide; A Report of the ASA Task Force on the Undergraduate Major, 2004, American Sociological Association

## Departmental Major

### SOCIOLOGY MAJOR

The major is designed for students planning to begin entry level careers or enter graduate school. Completing an internship is 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.

Course Number	Course Title	Credit Hours
SOC 1113 *	Introduction to Sociology	3
STAT 3143	Statistical Methods	3
SOC 4143	Social Theory	3
SOC 4193 or PSY 3153	Methods of Social Research Research Design	3 3

#### Electives<sup>^</sup>

Choose from the following to total 24 credit hours

SOC 1123	Introduction to Criminal Justice	3
SOC 2113	Social Problems	3
SOC 2153	Sociology of the Family	3
SOC 3553	Medical Sociology	3
SOC 3003	Special Studies in Sociology	3
SOC 3103	Race and Ethnicity	3
SOC/PSY 3113	Social Psychology	3
SOC 3153	Urban Sociology	3
SOC 3163	Introduction to Social Work	3
SOC 3173	Juvenile Delinquency	3
SOC 3183	Special Studies in Criminal Justice	3

SOC 3193	Criminology	3
SOC/PSY 3203	Industrial/Organizational Psychology	3
SOC 3213	Political and Social Philosophy	3
SOC 3223	Sociology of Religion	3
SOC 3353	Deviant Communities	3
SOC 3433	Death and Dying	3
SOC 4131-4	Sociology Internship	1-4
SOC 4163	Punishment in the United States	3
SOC 4183	Cultural Anthropology	3
SOC 4213	Social Work Processes	3
SOC 4383	Social Stratification	3
SOC 4223	Colloquium in Sociology	3
STAT 3243	Computer Package Statistics	3
Other Sociology courses as offered		
<i>Choose no more than 6 hours from the following to apply to the 24 hours of elective</i>		
BADM 4413	Human Resources Administration	3
ECO 2113	Macroeconomics	3
ECO 2123	Microeconomics	3
ECO 3053	International Economic Development	3
HP 2123	Introduction to Politics	3
HP 2143	Introduction to Law	3
HP 2503	World Geography	3
KNES 3712-3	Sociology of Sports	3
ENGL 3113	Grant Writing	3
<b>Sociology Major Credit Hours</b>		<b>36</b>

\* Introduction to Sociology (SOC 1113) is a prerequisite for all other Sociology courses.

### ***Departmental Minors***

#### **CRIMINAL JUSTICE MINOR**

<b>Course Number</b>	<b>Course Title</b>	<b>Course Title</b>
Required:		
SOC 1123	Introduction to Criminal Justice	3
<i>At least two of the following courses (6-15 hours)</i>		
SOC 3173	Juvenile Delinquency	3
SOC 3193	Criminology	3
SOC 3353	Deviant Communities	3
SOC 3183	Special Topics in Criminal Justice	3
SOC 4163	Punishment in the United States	3
<i>Choose 0-9 hours from the following to total 18 hours</i>		
SOC 2113	Social Problems	3
SOC 3103	Race and Ethnicity	3
SOC 3113	Social Psychology	3
SOC 3153	Urban Sociology	3
SOC 4383	Social Stratification	3
HP 2143	Introduction to Law	3
HP 3173	Judicial Process	3
HP 4153	Constitutional Law	3
PSY 4103	Abnormal Psychology	3
STAT 3143	Statistical Methods	3
<b>Criminal Justice Minor Credit Hours</b>		<b>18</b>

## **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 OF KINESIOLOGY**

### ***Departmental Full-time Faculty***

**Jason L. Coles, M.S., Assistant Professor** (Fall 2015)

B.S., Sterling College  
M.S., Ohio University  
A.T.C., Certified Athletic Trainer  
Graduate Study, Nova Southeastern University

**Sylvia Goodman, Ed.D., Professor/Chair** (Fall 2001)

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

**Harlan Johnson, Ph.D., Associate Professor** (Fall 2014)

B.S., Bacone College  
M.Ed., East Central University  
Ph.D., Northcentral University

**Loren McElroy, D.P.T., Assistant Professor** (Fall 2016)

B.S., Southern Nazarene University  
D.P.T., Northwestern University

**Stephane Shellenberger, M.A., Assistant Professor** (1977-1985; Fall 1992)

B.S., Bethany Nazarene College  
M.A., Central State University

### ***Departmental Objectives***

The SNU School 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 communication.
- 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 Majors***

## **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. As a part of the Exercise Science curriculum, students must take one of two class offerings that can lead to certification in personal training or strength and conditioning through NASM (National Academy of Sports Medicine). 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](http://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 and/or Suggested Four-year Course Schedule for detailed graduation requirements.

## Learning Outcomes

Student will:

- Demonstrate fundamental knowledge of the components of fitness and the human body's response to physical activity and athletic performance
- Design and implement individualized exercise assessments and prescriptive plans for achieving and maintain fitness
- Assess human performance through diverse tools of measurement
- Examine current theoretical and methodological issues in measurement and statistics that culminates with a capstone research project
- Develops a portfolio documenting professional growth during the internship experiences

Course Number	Course Title	Credit Hours
<b>Exercise Science Core Courses</b>		
BIOL 2224	Human Anatomy and Lab	**
BIOL 2234	Human Physiology and Lab	**
KNES 4693	Biomechanics and Kinesiology	3
CHEM 1124	General Chemistry I and Lab	4
CSNE 1113	Integrated Software Applications	**
KNES 3613	Exercise Physiology	**
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	Aqua Cardio Fit	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
<i>Choose one of the following</i>		
MATH 1513	College Algebra	**
PHYS 1114	General Physics I (Trigonometry pre-requisite recommended)	**
<b>Additional Requirements</b>		
KNES 1713	Foundations of Kinesiology	3
<i>Choose one of the following (KNES 3703 or KNES 3743)</i>		
KNES 3703	NASM Essentials of Personal Training	3
KNES 3743	NASM Essentials of Sport Performance Training	3
<i>Choose one of the following (KNES2511, KNES 2521, KNES 2551, KNES 2561, or KNES 2571)</i>		
KNES 2511	Motor and Sport Skills I	1
KNES 2521	Motor and Sport Skills II	1

KNES 2551	Motor and Sport Skills III	1
KNES 2561	Motor and Sport Skills IV	1
KNES 2571	Motor and Sport Skills V	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
<b>Exercise Science Major Credit Hours</b>		<b>53</b>

## PRE-PHYSICAL THERAPY/PRE-OCCUPATIONAL THERAPY

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 and/or Suggested Four-year Course Schedule for detailed graduation requirements.

### *Learning Outcomes*

The student will

- Demonstrates an understanding of content and disciplinary concepts of biology, chemistry, physics, kinesiology, exercise physiology, health and orthopedic assessment
- Utilize a team approach to effect a positive patient outcome
- Demonstrate leadership and service
- Demonstrate knowledge, attitudes, behaviors, and skills necessary to work respectfully and effectively with diverse populations and in a diverse work environment
- Critically examine the body of knowledge as well as promote research and scholarship in kinesiology
- Demonstrate professional behavior
- Recognize and practice ethical decision making within the context of a Christian framework (or perspective)
- Is able to demonstrate the clinical skills needed to appropriately diagnoses patients for treatment and referral.

The following courses are the prerequisites offered at SNU for the University of Oklahoma Health Sciences Center (OUHSC) program in Oklahoma City, OK.

Course Number	Course Title	Credit Hours
PSY 1113	General Psychology	**
PHYS 1114	General Physics I and Lab	4
BIOL 1314	Cells & Systems and Lab	4
CHEM 1124	General Chemistry I and Lab	**
MATH 1513	College Algebra	**
KNES 1511	Teaching and Performance of Weight Training	**
KNES 1624	Lower Extremity Injury Rec./Eval. of the Phys. Active & Lab	4
KNES1713	Foundations of Kinesiology and Sport Management	3
BIOL 2224	Human Anatomy and Lab	**
BIOL 2234	Human Physiology and Lab	4
KNES 2664	Upper Extremity Injury Rec./Eval. of the Phys. Active & Lab	4

STAT 3143	Statistical Methods	3
KNES 3613	Exercise Physiology	**
KNES3624	Therapeutic Modalities and Lab	4
KNES 4634	Therapeutic Physical Rehabilitation and Lab	4
KNES 4693	Biomechanics and Kinesiology	3
KNES 4766	Internship I ( <i>270 clock hours required</i> )	6

**Electives**

Natural Science (biology, physics, or zoology course)	4
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**Total Credit Hours** **53**

**Pre-physical Therapy (PT)**

Course Number	Course Title	Credit Hours
PHYS 1214	General Physics II and Lab	4
PSY 2173	Developmental Psy	3

**Pre-PT Program Credit Hours** **57**

**Pre-occupational Therapy (OT)**

Course Number	Course Title	Credit Hours
PSY 4153	Psychology of Personality	3
Natural Science (biology, physics or zoology course)		4

**Pre-OT Program Credit Hours** **60**

**PRE-ATHLETIC TRAINING**

Graduates from the SNU Pre-Athletic Training Program are prepared and eligible to attend graduate school in the pursuit of a Master's in Athletic Training. Upon completing a Master's degree in Athletic Training, graduates would find opportunities as a health care provider to the physically active in a wide variety of settings.

**Learning Outcomes**

- Students will be able to demonstrate content knowledge of biology, chemistry, physics, kinesiology, exercise physiology, health, general medical and orthopedic assessment.
- Students will value an inter-professional approach to effect a positive patient outcome.
- Students will be able to demonstrate professional behavior, leadership and service.
- Students will be able to work respectfully and effectively with diverse populations and in a diverse work environment
- Students will be able to critically examine the body of knowledge as well as promote research and scholarship in Athletic Training

**Pre-athletic Training Major****Pre-athletic Training (AT)**

Course Number	Course Title	Credit Hours
PSY 1113	General Psychology	3
PHYS 1114	General Physics I	4
BIOL 1233	First Aid/CPR	3
KNES 1511	Teach/Perform Weight Training	1
KNES 1624	Low Ex Inj Rec/Eval of the Phys Active	4
KNES 1601	Foundations of Athletic Training	1
BIOL 2224	Human Anatomy	4
BIOL 2234	Human Physiology	4
NURS 2323	Nutrition	3
KNES 2613	Personal & Community Health	3
KNES 2653	Intro Health Psychology	3

KNES 2664	Up Ex Inj Rec/Eval of the Phys Active	4
KNES 2672	Terminology for Health Professions	2
KNES 3613	Exercise Physiology	3
KNES 3624	Therapeutic Modalities	4
BIOL 1234	Cells and Systems	4
KNES 4533	Research Measurement & Evaluation	3
KNES 4633	Clinical Reasoning	3
KNES 4634	Therapeutic Physical Rehabilitation	4
MATH 1513	College Algebra	3
KNES 4693	Biomechanics/Kinesiology	3
KNES 4751	Senior Seminar	1
CHEM 1124	General Chemistry I	4
KNES 2631	AT Practicum I	1
KNES 2641	AT Practicum II	1
KNES 3651	AT Practicum III	1
KNES 3661	AT Practicum IV	1
KNES 4671	AT Practicum V	1
KNES 4681	AT Practicum VI	1

### Electives

*Choose one from the following courses*

BIOL 3483	Adv. Hum. Anatomy: Cadaver Dissection	3
KNES 3763	Ess. of Sports Perf. Training	3
KNES 3703	Ess. of Personal Fitness Training	3

**Pre-AT Program Credit Hours** **59**

## 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 and/or the Suggested Four-year Course Schedule for detailed graduation requirements.

### Learning Outcomes

The student will:

- 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 Standards
- Physical education teacher candidates know and apply discipline-specific scientific and theoretical concepts critical to the development of physical education individuals
- 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
- Physical education teacher candidates use effective communication and pedagogical skills and strategies to enhance student engagement and learning in an authentic setting
- Physical education teacher candidates use assessments and reflection to foster student learning and inform decisions and instructions
- Physical education teacher candidates demonstrate dispositions that are essential to becoming effective professionals

Course Number	Course Title	Credit Hours
<b>Physical Education Core Courses</b>		
KNES 1613	First Aid/CPR and Safety and Lab	3

KNES 1713	Foundations of Kinesiology	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 2571	Motor and Sports Skills V	1
KNES 2541	Practicum/Clinical Experience	1
KNES 2613	Personal and Community Health	3
KNES 2621	Fitness Assessment and Technology	1
KNES 3523	School Health/Safety Curriculum: P-12	3
KNES 3533	Methods in Elementary Physical Education	3
KNES 3543	Methods in Secondary Physical Education	3
KNES 3613	Exercise Physiology	**
KNES 4513	Adapted/Inclusive Physical Education	3
KNES 4523	Motor Learning	3
KNES 4533	Research Measurement and Evaluation	3
KNES 4713	Organization, Leadership, and Management of Kinesiology & Sport Management	3
KNES 4741	Senior Seminar for Physical Education	1
<i>Choose one of the following</i>		
KNES 2623	Structural Kinesiology	3
KNES 4693	Biomechanics and Kinesiology	3

**Education Courses**

ED 2111	Introduction to Education and Teaching Lab	1
ED 2142	Educational Technology	**
ED 2162	Foundations of Education	2
ED 2173	Developmental Psychology Across the Lifespan	3
ED 4141	Survey of the Exceptional Child	**
ED 4273	Professional Decision Making	3
ED 4700	Student Teaching Seminar	0
ED 4805	Student Teaching: Elementary	5
ED 4815	Student Teaching: Secondary; 7-12	5

**Physical Education (P-12) Major Credit Hours 60****Recommended Additional Coaching Courses**

KNES 1511	Teaching and Performance of Weight Training	1
KNES 1522	Care and Prevention of Athletic Injuries and Lab*	2
KNES 2531	Officiating	1
KNES 3512	Coaching	2

\*The State of Oklahoma currently requires that any coach in the public schools must have a course in Care and Prevention of Athletic Injuries (with lab). State certification requirements also include demonstration of ^foreign language proficiency at the novice high level in one designated language. Courses or credit hours needed to meet this proficiency are not included in the above total.

**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, and/or Suggested Four-Year Course Schedule for detailed graduation requirements.

***Learning Outcomes***

The student will:

- Demonstrate evaluation of anthropometric measurements through authentic application with

interpretive metrics and analysis of data

- Gain licensure as an Oklahoma official in a chosen sport area
- Demonstrate physical motor skill competencies and knowledge acquisition for a variety of competent movement performance areas and consistent health-enhancing levels of personal fitness
- Design and implement a prescriptive exercise program for stability, strength and endurance
- Develop a capstone project in cooperation with the internship supervising entity
- Explore a multiplicity of possible career opportunities of personal interest within the kinesiology professional area and identify career pathways through a formal presentation
- Examine current theoretical and methodological issues in measurement and statistics that culminates with a capstone research project
- Develop a portfolio documenting professional growth during the internship experience

<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>
<b>Physical Education Core Courses</b>		
KNES 1613	First Aid/CPR and Safety and Lab	3
KNES 1713	Foundations of Kinesiology	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 2571	Motor and Sports Skills V	1
KNES 2541	Practicum/Clinical Experience	1
KNES 2613	Personal and Community Health	3
KNES 2621	Fitness Assessment and Technology	1
KNES 3523	School Health/Safety Curriculum: P-12	3
KNES 3533	Methods in Elementary Physical Education	3
KNES 3543	Methods in Secondary Physical Education	3
KNES 3613	Exercise Physiology	**
KNES 4513	Adapted/Inclusive Physical Education	3
KNES 4523	Motor Learning	3
KNES 4533	Research Measurement and Evaluation	3
KNES 4693	Biomechanics and Kinesiology	3
KNES 4713	Organization, Leadership, and Management of Kinesiology & Sport Management	3
KNES 4741	Senior Seminar for Physical Education	1
<b>Athletic Coaching Core Courses</b>		
KNES 1511	Teaching and Performance of Weight Training	1
KNES 1522	Care and Prevention of Athletic Injuries and Lab	2
KNES 2531	Officiating	1
KNES 3512	Coaching	2
KNES 4766	Internship I	6
<b>Physical Education — Sports and Leisure Major Credit Hours</b>		<b>53</b>

## **SPORT MANAGEMENT MAJOR**

### ***Missions Statement***

The mission of the undergraduate Sport Management program is to cultivate a Christ-centered learning community which exposes students to the wide range of opportunities available to them in the sport industry.

Students in the undergraduate sport management program will be able to prepare for a multitude of careers within the arena of sport. Examples of those positions include, but are not limited to, account executive for professional franchises, associate/assistant athletic director at the intercollegiate level, business manager, college/university athletic director, conference office positions, corporate

administrator of sporting events, fundraising administrator, public relations director, sales representatives for sporting goods company, sport governing body positions, sports broadcasting, sports information director within intercollegiate athletics, sports journalism, and/or a tournament director.

### ***Broad-Based Program-Level Goals***

- Emphasize the importance of ethical decision making within the context of Christian community
- Deliver a curriculum that stimulates knowledge acquisition and prepares students to work as a professional person within the sport industry
- Assist students in the development of critical thinking skills and the use of problem solving throughout their academic career
- Empower students to communicate effectively verbally and/or in writing to various stakeholders in diverse settings
- Equip students to embrace and utilize technology in the classroom setting and beyond

### ***Learning Outcomes***

The student will:

- Express the importance of ethical decision making within the context of Christian community
- Model professionalism in preparation for a career in the sport industry
- Apply sport industry content knowledge throughout their academic career
- Employ critical thinking and problem solving skills throughout their academic career
- Demonstrate an ability to communicate effectively verbally and/or in writing to various stakeholders in diverse settings
- Select and use technologies that are appropriate in the sport industry

## **Sport Management—Sport Business Concentration**

<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>
<b>Sport Management Core Courses</b>		
KNES 1713	Foundations of Kinesiology	3
KNES 1722	Introduction to Sport Management	2
KNES 3713	Sociology of Sports	3
KNES 3723	Sport Marketing and Promotions	3
KNES 3733	Sport Law	3
KNES 3734	Practicum	4
KNES 3753	Sport Governance and Policy	3
KNES 4713	Organization, Leadership, and Management of Kinesiology & Sport Management	3
KNES 4723	Sport Facilities Management	3
KNES 4766	Internship I	6
KNES 4771	Senior Seminar in Sport Management	1
<b>Sport Business Core Courses</b>		
BADM 1113	Ethics and Business Principles	3
ACC 2113	Principles of Accounting I	3
ACC 2123	Principles of Accounting II	3
ECO 2113	Macroeconomics	3
FIN 3103	Business Finance	3
BADM 3113	Business Law I	3
MGT 2113	Principles of Management	3
MGT 3123	Human Resource Management	3
MKT 2113	Principles of Marketing	3
MKT 3123	Professional Sales	3
<b>Sport Management—Sport Business Concentration Credit Hours</b>		<b>64</b>

**Sport Management—Sport Communications Concentration**

<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>
<b>Sport Management Core Courses</b>		
KNES 1713	Foundations of Kinesiology	3
KNES 1722	Introduction to Sport Management	2
KNES 3713	Sociology of Sports	3
KNES 3723	Sport Marketing and Promotions	3
KNES 3733	Sport Law	3
KNES 3734	Practicum	4
KNES 3753	Sport Governance and Policy	3
KNES 4713	Organization, Leadership, and Management of Kinesiology & Sport Management	3
KNES 4723	Sport Facilities Management	3
KNES 4766	Internship I	6
KNES 4771	Senior Seminar in Sport Management	1
<b>Sport Communications Core Courses</b>		
ENGL 2103	English Grammar I	3
MCOM 2313	News Writing or Sportwriting	3
GDSG 2333	Design Technology	3
MCOM 2333	Digital Photography	3
MCOM 2361	Newspaper Practicum	1
MCOM 2381	Broadcast Practicum	1
MCOM 2393	Video Production	3
MCOM 3123	Interactive Web Authoring	3
MCOM 3143	Technical Communication	3
MCOM 4213	Media Ethics	3
SP C 4213	Communication and Conflict Management OR	
SPC 4223	Group Interaction and Leadership	3
<b>Sport Communications Concentration Credit Hours</b>		<b>63</b>

**Departmental A.A. Degrees****EXERCISE SCIENCE CONCENTRATION**

See requirements for A.A. Degrees.

<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>
PEG 1002	Health and Wellness	**
PEG 1011	Cardio Fit	1
PEG 1031	Aqua Cardio Fit	1
BIOL 1113	Introduction to Biological Science	**
KNES 1511	Teaching and Performance of Weight Training	**
KNES 1522	Care and Prevention of Athletic Injuries and Lab	2
KNES 1613	First Aid/CPR and Safety and Lab	3
KNES 1713	Foundations of Kinesiology	3
KNES 2613	Personal and Community Health	3
KNES 2653	Introduction to Health Psychology	3
KNES 3613	Exercise Physiology	3
NURS 3103	Nutrition	3
KNES 4533	Research Measurement and Evaluation	3
KNES 4693	Biomechanics and Kinesiology	3
<b>Exercise Science Concentration Credit Hours for A.A. Degree</b>		<b>28</b>

**COACHING CONCENTRATION #**

<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>
PEG activity electives	three one-credit courses required	3

PEG 1002	Health and Wellness	2**
BIOL 1113	Introduction to Biological Science	3**
KNES 1511	Teaching and Performance of Weight Training	1**
KNES 1523	Care and Prevention of Athletic Injuries and Lab	3
KNES 1613	First Aid/CPR and Safety and Lab	3
KNES 1713	Foundations of Kinesiology	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 2531	Officiating	1
KNES 3512	Coaching	2
KNES 3543	Methods in Secondary Physical Education	3
KNES 4693	Biomechanics and Kinesiology	3
KNES 4713	Organization, Leadership, and Management of Kinesiology & Sport Management	3

**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 School of Kinesiology. The required courses are as follows:

<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>
PEG 1002	Health and Wellness	2**
KNES 1511	Teaching and Performance of Weight Training	1**
KNES 1522	Care and Prevention of Athletic Injuries and Lab *	3
KNES 1613	First Aid/CPR and Safety and Lab	3
KNES 1713	Foundations of Kinesiology	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 2531	Officiating	1
KNES 3512	Coaching	2
KNES 4713	Organization, Leadership, and Management of Kinesiology	3

**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.

## **SCHOOL OF NURSING**

### *School Full-time Faculty*

**Janice R. Carr, R.N., D.N.P., Associate Professor** (Fall 2013)

B.S.N., University of Oklahoma Health Sciences Center

M.S.N., Oklahoma Baptist University

M.Ed., University of Central Oklahoma

D.N.P., Chatham University

**Casey J. Cassidy, R.N., M.S.N., Assistant Professor** (Fall 2013)

B.S.N., East Central University  
M.S.N., Oklahoma Baptist University  
Graduate Study, Oklahoma City University

**Mike Eskew, Assistant Professor** (Fall 2016)

B.S., Southern Nazarene University  
B.S.N., University of Oklahoma  
M.S.N., Duke University  
Graduate Study, Duke University

**Mary Hibbert, Ph.D., Professor/Chair** (Fall 1995)

B.S., Pittsburg State University  
M.S.N., University of Kansas  
Graduate Study, University of Kansas  
Ph.D., Texas Woman's University

**Laura O'Neil, R.N., M.S., Assistant Professor** (Fall 2005)

B.S.N., University of Oklahoma  
M.S., University of Oklahoma

***Departmental Mission***

The mission of the School of Nursing is to integrate the principles of Christian faith into daily conduct with the educational process and to seek excellence in preparing students for entry into professional nursing. The curriculum provides a foundation for graduate study and lifelong learning. Within a Christian environment, students are educated to practice in diverse settings with persons, families and communities.

***Learning Outcomes***

- Liberal Education for Baccalaureate Generalist Nursing Practice—a solid base in liberal education provides the cornerstone for the practice and education of nurses
- Basic organizational and Systems Leadership for Quality Care and Patient knowledge and skills in leadership, quality improvement, and patient safety are necessary to provide high quality health care
- Scholarship for Evidence-Based Practice. Professional nursing practice is grounded in the translation of current evidence into one's practice
- Information management and Applications of Patient Care Technology-Knowledge and skills in information management and patient care technology are critical in the delivery of quality patient care
- Health care policies, including financial regulatory, directly and indirectly influence the nature and functioning of the healthcare system and thereby are important considerations in professional nursing practice
- Interprofessional Communication and Collaboration for Improving Patient Health outcomes. Communication and collaboration among healthcare professionals are critical to delivering high quality and safe patient care
- Clinical Prevention and Population Health. Health promotion and disease prevention at the individual and population level are necessary to improve population health and are important components of baccalaureate generalist nursing practice
- Professional and Professional Values. Professionalism and the inherent values of altruism, autonomy, human dignity, integrity, and social justice are fundamental to the discipline nursing
- The baccalaureate-graduate nurse is prepared to practice with patients, including individuals, families, groups, communities, and populations across the lifespan and across the continuum of healthcare environments. The baccalaureate graduate understands and respects the variations of care, the increased complexity, and the increased use of healthcare resources inherent in caring for patients

## ***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.

## ***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 2.9 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. A nursing faculty committee makes the decision of admission, based in adequate faculty student ratio and clinical placement availability. Use of a nursing admissions test and a point system will be used for identifying qualified applicants. 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†**

<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>
<b>Freshman Fall Semester</b>		
ENGL 1113	Composition I*	3
CHEM 1124	General Chemistry I**	4
MATH 1513	College Algebra**	3
SP C 1133	Introduction to Speech*	3
NURS 1311	Introduction to Nursing*	1
CSNE 1113	Integrated Software Applications	3
<i>Total semester credit hours</i>		<i>17</i>
<b>Freshman Spring Semester</b>		
ENGL 1213	Composition II*	3
PSY 1113	General Psychology *	3
NURS 1411	Nursing Core Concepts**	1
BIOL 2124	Microbiology**	4
PEG XXX1	PEG Elective (Health and Wellness not required)	1
THEO 1513	Christian Faith & Life	3
<i>Total semester credit hours</i>		<i>15</i>
<b>Sophomore Fall Semester</b>		
NURS 2404	Health Assessment**	4
NURS 2323	Nutrition**	3
BIOL 2224	Anatomy**	4
SOC 1113	Sociology*	3
HP 1533	Modern World	3
<i>Total semester credit hours</i>		<i>17</i>
<b>Sophomore Spring Semester</b>		
NURS 2102	Pharmacology**	2
NURS 2436	Foundations of Nursing**	6
PSY 3133	Human Development**	3
BIOL 2234	Physiology**	4
FA 1413	Aesthetics	3
<i>Total semester credit hours</i>		<i>18</i>
<b>Junior Fall Semester</b>		
NURS 3416	Adult Nursing I**	6
NURS 3333	Community Health Nursing**	3
Electives	General Education elective courses to total six credit hours	6
<i>Total semester credit hours</i>		<i>18</i>
<b>Junior Spring Semester</b>		
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
<i>Total semester credit hours</i>		<i>17</i>

**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
<i>Total semester credit hours</i>		<i>16</i>

**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
<i>Total semester credit hours</i>		<i>12</i>

**Nursing Major Credit Hours<sup>^</sup> 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.

## COLLEGE OF PROFESSIONAL AND GRADUATE STUDIES AND BUSINESS

**Kristin Jasper, C.P.A., M.B.A., Vice-Provost, College of Professional and Graduate Studies and Business**

M.B.A., Southern Nazarene University  
B.S., Southern Nazarene University

### *College of Professional Studies & Business Learning Outcomes*

- Demonstrate an ability to apply discipline specific knowledge to solve complex problems
- Demonstrate effective communication by expressing theory and concept to address professional issues
- Demonstrate an ability to analyze concepts in global and culturally relevant contexts
- Demonstrate the ability to integrate faith and ethics in a professional setting

## SCHOOL OF BUSINESS

### *School Full-time Faculty*

**W. Davis Berryman, Ph.D., Professor** (Fall 2002)

B.S., Washington University  
M.S., Case Western Reserve University  
M.B.A., Kent State University  
Ph.D., Michigan State University

**J. Rendall Garrett, M.S.A.,C.P.A., Assistant Professor** (Fall 1976)

B.S., Bethany Nazarene College  
M.S.A., Oklahoma City University  
Certified Public Accountant

**Kirk A. Jackson, D.B.A., Assistant Professor, MBA/MSM Graduate Program** (Fall 2015)

B.S., Southern Nazarene University  
M.B.A., University of Oklahoma  
Ph.D., Anderson University

**Brent A. LaVigne, M.S., Assistant Professor/Chair** (Spring 2014)

B.S., Southern Nazarene University  
M.S.M., Mount Vernon Nazarene University  
Graduate Study, Oklahoma State University

**David O'Bannon, M.B.A., Instructor** (Fall 2011)

B.S., Southern Nazarene University  
M.B.A., Oklahoma City University

**Cynthia Powell, M.B.A.,C.P.A., 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** ( 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 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***

The four objectives SNU expects for students who graduate with any undergraduate degree in business are to demonstrate BUSINESS KNOWLEDGE, BUSINESS SKILLS, a GLOBAL PERSPECTIVE, and a commitment to BUSINESS ETHICS.

## ***Learning Outcomes***

- Demonstrate an ability to analyze historical and emerging business trends in a global context
- Demonstrate an ability to express clear and concise ideas through effective speech, written communication, and/or interpersonal human relation skills
- Demonstrate an integrated knowledge of quantitative business concepts in a professional setting
- Demonstrate an integrated knowledge of qualitative business concepts in a professional setting
- Demonstrate the integration of faith and ethics in the business decision making process

## ***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).

## ***Learning Outcomes***

- Demonstrate knowledge of financial accounting and reporting
- Analyze cost concepts and methods to support management decision processes
- Demonstrate proper fundamental federal income tax treatment for various taxpaying and flow-through entities
- Demonstrate knowledge of the audit process from the engagement planning stage through completion of the audit and issuance of an opinion

<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>
<b>Business Core Courses</b>		
BADM 1113	Ethics and Business Principles	3
ACC 2113	Principles of Accounting I	3
ACC 2123	Principles of Accounting II	3
BADM 3173	Principles of Management Science	3
BADM 3103	Business Communication	3
BADM 3113	Business Law I	3
BADM 3123 or 3133	Business Law II or Law	3
ECO 2113	Macroeconomics	3
ECO 2123	Microeconomics	3
FIN 3103	Business Finance	3
MGT 2113	Principles of Management	3
MGT 4123	Business Policy (senior capstone course)	3

MKT 2113	Principles of Marketing	3
<b>Accounting and Management Courses</b>		
ACC 3113	Intermediate Accounting I	3
ACC 3123	Intermediate Accounting II	3
ACC 3133 or ACC 4183	Cost Accounting or Accounting Internship	3
ACC 3143 or ACC 3163	Cost Analysis or Managerial Accounting	3
ACC 3153	Income Tax for Individuals	3
ACC 4123	Advanced Accounting	3
ACC 4133	Auditing	3
ACC 4143	Consolidated Statements	3
MGT 4113	Management Information Systems or Upper Division MGT course	3
<b>Accounting Major Credit Hours</b>		<b>66</b>

**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 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.

Course Number	Course Title	Credit Hours
<b>Business Core Courses</b>		
BADM 1113	Ethics and Business Principles	3
ACC 2113	Principles of Accounting I	3
ACC 2123	Principles of Accounting II	3
BADM 3173	Principles of Management Science	3
BADM 3103	Business Communication	3
BADM 3113	Business Law I	3
BADM 3123 or 3133	Business Law II or International Business Law	3
ECO 2113	Macroeconomics	3
ECO 2123	Microeconomics	3
FIN 3103	Business Finance	3
MGT 2113	Principles of Management	3
MGT 4123	Business Policy (senior capstone course)	3
MKT 2113	Principles of Marketing	3
<b>Accounting and Management Courses</b>		
ACC 3113	Intermediate Accounting I	3
ACC 3123	Intermediate Accounting II	3
ACC 3133 or ACC 4183	Cost Accounting or Accounting Internship	3
ACC 3143 or ACC 3163	Cost Analysis or Managerial Accounting	3
ACC 3153	Income Tax for Individuals	3
ACC 4123	Advanced Accounting	3
ACC 4133	Auditing	3
ACC 4143	Consolidated Statements	3
ACC 4173	Not-For-Profit Accounting	3
ACC 4153	Income Tax for Business and Fiduciary Entities	3
MGT 4113	Management Information Systems or Upper-Division MGT Course	3

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 Major (150 credit hours) Credit Hours** **72**

## 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.

### Learning Outcomes

- Achieve the private pilot instrument rating
- Achieve the commercial rating designations

Course Number	Course Title	Credit Hours
<b>Business Core Courses</b>		
BADM 1113	Ethics and Business Principles	3
ACC 2113	Principles of Accounting I	3
ACC 2123	Principles of Accounting II	3
BADM 3173	Principles of Management Science	3
BADM 3103	Business Communication	3
BADM 3113	Business Law I	3
BADM 3123 or 3133	Business Law II or International Business Law	3
ECO 2113	Macroeconomics	3
ECO 2123	Microeconomics	3
FIN 3103	Business Finance	3
MGT 2113	Principles of Management	3
MGT 4123	Business Policy (senior capstone course)	3
MKT 2113	Principles of Marketing	3
<b>Accounting Elective</b>		
<i>Choose one of the following</i>		
ACC 3113	Intermediate Accounting I	3
ACC 3143	Cost Analysis	3
ACC 3153	Income Tax for Individuals	3
ACC 3163	Managerial Accounting	3
<b>Aviation Courses</b>		
AV 1113	Primary Ground Instruction	3
AV 1123	Primary Flying	3
AV 3113	Instrument Ground Instruction	3
AV 3123	Instrument Flying	3
AV 3133	Commercial Ground Instruction	3
AV 3143	Commercial Flying I	3
AV 3153	Commercial Flying II	3
<b>Aviation-Business Major Credit Hours</b>		<b>63</b>
<b>Optional Aviation Courses</b>		
AV 4121	Multi-Engine Flying	1

AV 4132	Certified Flight Instructor	2
AV 4141	Certified Flight Instrument Instructor	1
AV 4151	Multi-Engine Instructor	1
AV 4181-3	Internship/Individual Study	1-3

## BUSINESS ADMINISTRATION MAJOR

### *Learning Outcomes*

- Demonstrate an ability to analyze historical and emerging business trends in a global context
- Demonstrate an ability to express clear and concise ideas through effective speech, written communication, and/or interpersonal human relation skills.
- Demonstrate an integrated knowledge of quantitative business concepts in a professional setting
- Demonstrate the integration of faith and ethics in the business decision-making process
- Demonstrate an understanding of specific disciplines within business as required by elective course work in areas of Human Relations, Investments, International Business, Real Estate or Money and Banking

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

### **Accounting Elective**

*Choose one of the following*

ACC 3113	Intermediate Accounting I	3
ACC 3143	Cost Analysis	3
ACC 3153	Income Tax for Individuals	3
ACC 3163	Managerial Accounting	3

### **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

### *Learning Outcomes*

- Demonstrate an ability to analyze historical and emerging business trends in a global context
- Demonstrate an ability to express clear and concise ideas through effective speech, written communication, and/or interpersonal human relation skills
- Demonstrate an integrated knowledge of quantitative business concepts in a professional setting
- Demonstrate an integrated knowledge of qualitative business concepts in a professional setting
- Demonstrate the integration of faith and ethics in the business decision-making process
- Demonstrate an understanding of the introductory concepts of law including but not limited to business law, contract law and constitutional law

Course Number	Course Title	Credit Hours
<b>Business Core Courses</b>		
BADM 1113	Ethics and Business Principles	3
ACC 2113	Principles of Accounting I	3
ACC 2123	Principles of Accounting II	3
BADM 3173	Principles of Management Science	3
BADM 3103	Business Communication	3
BADM 3113	Business Law I	3
BADM 3123 or 3133	Business Law II or International Business Law	3
ECO 2113	Macroeconomics	3
ECO 2123	Microeconomics	3
FIN 3103	Business Finance	3
MGT 2113	Principles of Management	3
MGT 4123	Business Policy (senior capstone course)	3
MKT 2113	Principles of Marketing	3
<b>Accounting Elective</b>		
<i>Choose one of the following</i>		
ACC 3113	Intermediate Accounting I	3
ACC 3143	Cost Analysis	3
ACC 3153	Income Tax for Individuals	3
ACC 3163	Managerial Accounting	3
<b>Business Administration Courses</b>		
MGT 3123	Human Resource Management	3
HP 2143	Introduction to Law	3
At least one international course in FIN, Law, MGT or MKT		3
<b>Electives</b>		
<i>Choose three of the following</i>		
ACC 3153	Income Tax for Individuals	3
ACC 4153	Income Tax for Business and Fiduciary Entities	3
FIN 3143	Real Estate	3
HP 3123	Legislative Process	3
HP 4153	Constitutional Law	3
MGT 3133	Small Business Management	3
MGT 4163	Organizational Behavior	3
<b>Business Administration/Pre-law Major Credit Hours</b>		<b>60</b>

## FINANCE MAJOR

### *Learning Outcomes*

- Demonstrate professional competency in domestic and international corporate finance concepts (Courses evaluated: Business Finance, International Finance)
- Demonstrate professional application of consumer financial services (Courses evaluated: Insurance, Real Estate, Money & Banking)
- Demonstrate the ability to evaluate financial instruments and financial markets (Courses Evaluated: Investments, Money & Banking)

Course Number	Course Title	Credit Hours
<b>Business Core Courses</b>		
BADM 1113	Ethics and Business Principles	3
ACC 2113	Principles of Accounting I	3
ACC 2123	Principles of Accounting II	3
BADM 3173	Principles of Management Science	3
BADM 3103	Business Communication	3

BADM 3113	Business Law I	3
BADM 3123 or 3133	Business Law II or International Business Law	3
ECO 2113	Macroeconomics	3
ECO 2123	Microeconomics	3
FIN 3103	Business Finance	3
MGT 2113	Principles of Management	3
MGT 4123	Business Policy (senior capstone course)	3
MKT 2113	Principles of Marketing	3

### Accounting Elective

*Choose one of the following*

ACC 3113	Intermediate Accounting I	3
ACC 3143	Cost Analysis	3
ACC 3153	Income Tax for Individuals	3
ACC 3163	Managerial Accounting	3

### Finance Courses

FIN 3133	Investments	3
FIN 3143	Real Estate	3
FIN 4123	Money and Banking	3
FIN 4153	International Finance	3

### Electives

*Choose six credit hours from the following*

ACC 3113	Intermediate Accounting I	3
ACC 3123	Intermediate Accounting II	3
ACC 3153	Income Tax for Individuals	3
ACC 4153	Income Tax for Business and Fiduciary Entities	3
FIN 3113	Personal Finance	3
FIN 4113	Principles of Insurance	3
FIN 4181-3	Internship	1-3
MGT 3133	Small Business Management	3
STAT 3143	Statistical Methods	3

**Finance Major Credit Hours 60**

## INTERNATIONAL BUSINESS MAJOR

### Learning Outcomes

- Demonstrate an ability to analyze historical and emerging business trends in a global context
- Demonstrate an ability to express clear and concise ideas through effective speech, written communication, and/or interpersonal human relation skills
- Demonstrate an integrated knowledge of quantitative business concepts in a professional setting
- Demonstrate an integrated knowledge of qualitative business concepts in a professional setting
- Demonstrate the integration of faith and ethics in the business decision-making process
- Demonstrate and understanding of the international environment of business including but not limited to international finance (exchange rates, interest rates, political and economic risk) international marketing (cultural factors effecting price, product composition, promotion, and distribution), international management (cultural aspects of motivation, management and institutional organization\_ international business law and international economic development
- Demonstrate application of international business concepts through an internship with a for profit or not for profit organization who works, or supports work internationally

Course Number	Course Title	Credit Hours
<b>Business Core Courses</b>		
BADM 1113	Ethics and Business Principles	3
ACC 2113	Principles of Accounting I	3
ACC 2123	Principles of Accounting II	3

BADM 3173	Principles of Management Science	3
BADM 3103	Business Communication	3
BADM 3113	Business Law I	3
BADM 3123 or 3133	Business Law II or International Business Law	3
ECO 2113	Macroeconomics	3
ECO 2123	Microeconomics	3
FIN 3103	Business Finance	3
MGT 2113	Principles of Management	3
MGT 4123	Business Policy (senior capstone course)	3
MKT 2113	Principles of Marketing	3

**Accounting Elective***Choose one of the following*

ACC 3113	Intermediate Accounting I	3
ACC 3143	Cost Analysis	3
ACC 3153	Income Tax for Individuals	3
ACC 3163	Managerial Accounting	3

**International Business Courses***Choose eighteen credit hours from the following*

BADM 3133	International Business Law	3
FIN 4153	International Finance	3
MGT 4173	International Management	3
MKT 4163	International Marketing	3
ECO 3053	International Economic Development	3
BADM 4183	Internship: International Business	3-6

**International Business Major Credit Hours 60****MANAGEMENT MAJOR*****Learning Outcomes***

- Management principles-Demonstrate application of management principles within a professional setting
- Management strategy-Demonstrate an integrative ability to formulate and implement strategy and policy
- Team dynamics-Demonstrate the leadership dynamics of a managing a team
- Professional Preparation-Demonstrate preparation for employment and admission to graduate/professional programs

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

**Accounting Elective***Choose one of the following*

ACC 3113	Intermediate Accounting I	3
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ACC 3143	Cost Analysis	3
ACC 3153	Income Tax for Individuals	3
ACC 3163	Managerial Accounting	3

**Management Courses**

MGT 3123	Human Resource Management	3
MGT 3133	Small Business Management	3
MGT 4163	Organizational Behavior	3
MGT 4173	International Management	3

**Electives**

*Choose six credit hours from the following*

MGT 4113	Management Information Systems	3
STAT 3143	Statistical Methods	3
MGT 4181-3	Internship	1-3
ACC, FIN, MKT or CSNE electives		

**Management Major Credit Hours** **60**

**MARKETING MAJOR*****Learning Outcomes***

- Demonstrate the knowledge of the concepts of integrated brand promotion
- Demonstrate the knowledge of consumer behavior in the marketplace and how behavior effects marketing strategy
- Demonstrate the knowledge of strategic marketing, to analyze marketing performance based on a case study model
- Demonstrate the knowledge of the retail management process

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

**Accounting Elective**

*Choose one of the following*

ACC 3113	Intermediate Accounting I	3
ACC 3143	Cost Analysis	3
ACC 3153	Income Tax for Individuals	3
ACC 3163	Managerial Accounting	3

**Marketing Courses**

MKT 3153	Promotional Strategies	3
MKT 3163	Consumer Behavior	3
MKT 4173	Strategic Marketing	3
MKT 4163	International Marketing	3

**Electives***Choose six credit hours from the following*

MKT 3123	Professional Sales	3
MKT 3133	Retailing	3
MKT 4133	Supply Chain Management	3
MKT 4181-3	Internship (one to three credit hours)	1-3
MKT 4193	Marketing Research	3
MGT 3123	Human Resource Management	3
MCOM 4343	Public Relations Strategies	3
STAT 3143	Statistical Methods	3

**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.

<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>
ACC 2113	Principles of Accounting I	3
ACC 2123	Principles of Accounting II	3
BADM 3113	Business Law I	3
ECO 2113	Macroeconomics	3
ECO 2123	Microeconomics	3
FIN 3103	Business Finance	3
MGT 2113	Principles of Management	3
MKT 2113	Principles of Marketing	3
<b>Electives</b> (choose six credit hours of upper-division courses)		6
Foreign Language		6
<b>Multidisciplinary Major in Business (B.A. Degree) Credit Hours</b>		<b>36</b>
Additional Language Requirement		6

**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.

<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>
ACC 2113	Principles of Accounting I	3
ACC 2123	Principles of Accounting II	3
BADM 3113	Business Law I	3
ECO 2113	Macroeconomics	3
ECO 2123	Microeconomics	3
FIN 3103	Business Finance	3
MGT 2113	Principles of Management	3
MKT 2113	Principles of Marketing	3
<b>Electives</b> (choose six credit hours of upper-division courses)		6
<b>Multidisciplinary Major in Business (B.S. Degree) Credit Hours</b>		<b>30</b>

***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. A minimum of 15 credit hours must be earned at SNU (in residence), and 15 credit hours must be completed at the sophomore level or above. To become a candidate for any associate degree, the student must have a minimum of 15 credit hours earned at SNU. The 15 credit hours needed to meet graduation requirements or program completion must be taken at SNU. No more than 9 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.

Course Number	Course Title	Credit Hours
<b>Area of Specialization</b>		
AV 1113	Primary Ground Instruction	3
AV 1123	Primary Flying	3
AV 3113	Instrument Ground Instruction	3
AV 3123	Instrument Flying	3
AV 3133	Commercial Ground Instruction	3
AV 3143	Commercial Flying I	3
AV 3153	Commercial Flying II	3
<b>Business Electives</b>		
Select courses from any area in business to complete program		11
<b>Aviation Credit Hours for A.A. Degree</b>		<b>32</b>

## BUSINESS A.A. DEGREE

Course Number	Course Title	Credit Hours
<b>Area of Specialization</b>		
ACC 2113	Principles of Accounting I	3
BADM 1113	Ethics and Business Principles	3
BADM 3173	Principles of Management Science	3
BADM 3103or 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
<b>Business Electives</b>		
Select courses from any area in business to complete program		5
<b>Business Credit Hours for A. A. Degree</b>		<b>32</b>

## *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 PROFESSIONAL STUDIES

### *School Full-time Faculty*

**Julian R. Cowart, Ph.D., Associate Professor (Fall 2016)**

B.S., Trevecca Nazarene University  
M.A., The George Washington University  
Ph.D., Capella University

**Tamara Dawson, Ed.D., Associate Professor, Director, BSBA Program (Fall 2011)**

B.S., Southern Nazarene University  
M.S., Southern Nazarene University  
Ed.D., Northcentral University

**Anne A. Ghost Bear, Ed.D., Professor/Director, SNU-  
(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, OL Program (Fall 1988)**

B.A., Southern Nazarene University  
M.A., Southern Nazarene University  
Ed.D., Oklahoma State University

**Delilah G. Joiner, Ed.D., Professor/Director, FSG Program (Fall 1981)**

B.A., Bethany Nazarene College  
M.Ed., Central State University  
Ed.D., Oklahoma State University

**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

## 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 Organizational Leadership major (OL), the Business Administration major (BS/BA), the Family Studies and Gerontology major (FSG) and program practicum, and the Network Management major (NM). Additionally, Bridge classes are offered as part of the OL, FSG, BS, NM and all other undergraduate degree completion plans. The school also cooperates in advising pre-BS/BA, OL, FSG, and NM 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)

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

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, DANTES 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**

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### ***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.

If a student withdraws, a grade of “W” will be earned and noted on the transcript. It does not affect the student’s GPA.

## **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-seven credit hours in addition to the liberal studies included as part of each professional studies major:

- Effective Communication
- Aesthetic Analysis
- Global Perspective
- Critical Thinking and Problem Solving
- Civics, Ethics, and Stewardship
- Science and Technology
- Health and Wellness
- Christian, Faith and Life

#### **ELECTIVES**

41 credit hours

#### **MAJOR COURSEWORK**

36 credit hours

\* Composition I (ENGL 1113) is required

## **TUITION AND FEES**

The School of Professional Studies charges and fees for individual programs listed below:

### **BRIDGE (up to 54 gen ed hours) (includes online and on campus)**

Price includes books

Tuition per credit hour                      \$333

\*No registration fee

### **Network Management (36 hours) (includes online and on campus)**

Price includes books, materials, laptop

Credit hours in program                      36

Tuition price per credit hour                \$515

Course fees per credit hour                 \$125

**Professional Studies (36 hours)  
(includes FSG, OL, BA, RN)**

Price includes books, materials, laptop  
 Credit hours in program 36  
 Tuition price per credit hour \$515

**Professional Studies—Online (36 hours)  
(includes OL, BA & RN w/ Computer)**

Price includes books, materials, laptop  
 Credit hours in program 36  
 Tuition price per credit hour \$515

**BRIDGE (ACCELERATED FORMAT OF GENERAL EDUCATION)**

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 Bridge (ENGL 1023). 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:

<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>
SP C 2353	Interviewing Techniques	3
HP 2413	Geomorphology	3
MATH 1113	Math Concepts: Discrete Math	3
SP C 4233	Intercultural Communication	3
MISS 2183	Cultural Anthropology for the Ministry	3
HP 2213	Earth's Natural Disasters	3
ART 4173	History of Art	3
THEO 2233	Introduction to Christian Thought	3
HP 4353	America in Vietnam	3
M ED 3513	History of Popular American Music	3
PHIL 2123	World Religions	3
SOC 2153	Sociology of Family	3
SOC 2133	Introduction to Corrections	3
GS 2433	Introduction to the Holocaust	3
CSNE 1113	Integrated Software Applications	3
SP C 3233	American Cinema and Culture	3
PSY 4103	Abnormal Psychology	3
HP 4363	Oklahoma History	3

Course placement and offerings are subject to change.

**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:

<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>
ACC 2134	Accounting	4
B LT 1163	Introduction to Biblical Literature	3
ENGL 2413	Introduction to Literature	3
HP 2013	World Civilizations I	3
PHIL 3233	Ethics	3
PSY 1113	General Psychology	3
SP C 3233	Family Communication	3
C ED/GS 3023	Ministry, Church, and Society	3

**BUSINESS ADMINISTRATION (BS/BA) (ONLINE AND ON LAND)**

The BS/BA program leads to a Bachelor of Science Degree in Business Administration. The program focuses on acquiring skills in both the financial and managerial aspects of business. The program also places emphasis on global business practices so that students can be effective in today's marketplace. The BS/BA program emphasizes more than just business theory: it deals with practical applications.

## ACADEMIC PROGRAMS

### *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*

The four objectives SNU expects for students who graduate with any undergraduate degree in business are to demonstrate BUSINESS KNOWLEDGE, BUSINESS SKILLS, a GLOBAL PERSPECTIVE, and a commitment to BUSINESS ETHICS.

### *Learning Outcomes*

- Demonstrate an ability to analyze historical and emerging business trends in a global context
- Demonstrate an ability to express clear and concise ideas through effective speech, written communication, and/or interpersonal human relations skills
- Demonstrate an integrated knowledge of quantitative business concepts in a professional setting
- Demonstrate an integrated knowledge of qualitative business concepts in a professional setting
- Demonstrate the integration of faith and ethics in the business decision making process

Prerequisite Coursework must be fulfilled prior to entry into BSBA program (transfer work or CLEP)

- Principles of Accounting I
- Principles of Accounting II (Basic college level accounting skills are necessary to be successful in this program. Other college courses titles and descriptions may be considered to fulfill this requirement.) If the 60 credit hour requirement is met, but not the accounting prerequisites, we offer an 8 week class, worth 4 credit hours, that meets the accounting prerequisites.
- Introduction to Computers/Applications (Some experience/training may be considered to fulfill this requirement)

6 additional hours of business related coursework must be completed prior to graduation. These requirements can be fulfilled by transfer work, prior learning experience, or CLEP.

Module	Course Number	Course Title	Credit Hours
1	BADM 3003	Communication in a Global Environment	3
2	PSY 3413	Personal and Professional Development	3
3	ECO 3113	Economics for Managers	3
4	MGT 3423	Managing a Diverse Workforce	3
5	ACC 3163	Managerial Accounting	3
6	REL 3413	Biblical Perspectives in Western Culture	3
7	BADM 3173	Principles of Management Science	3
8	MKT 3173	Marketing for Managers	3
9	FIN 3123	Finance for Managers	3
10	BADM 3113	Business Law	3
11	BADM 3153	International Business & Ethics	3
12	MGT 4123	Business Policy	3

## 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.

## Learning Outcomes

Graduates will:

- Demonstrate effective communication within human interaction environments
- Demonstrate an understanding of human development across the life span
- Apply critical analysis through research within a social service context

Module	Course Number	Course Title	Credit Hours
1	PSY 3133	Human Development	3
2	PSY 3412	Personal and Professional Development	2
3	SP C 3462	Family Communication	2
4	PSY 4433	Adulthood and Aging	3
5	SOC 4442	Family: Dynamics and Structure	2
6	SOC 4533	Social Service Resources/Practicum	0
7	STAT 3423	Data Analysis Methods	3
8	PSY 3423	Introduction to Counseling	3
9	REL 3413	Biblical Perspectives in Western Culture	3
10	SOC 4453	Family: Coping with Crises	3
11	BADM 4442	Introduction to Mgtment & Admin	2
12	PSY4522	Assessment and Wellness	2
13	SOC 3442	Death, Grief, and Loss	2
14	GS 4423	Personal and Professional Ethics and Values	3
15	SOC 4533	Social Service Resources Practicum	3

## NETWORK MANAGEMENT (NM) (ONLINE AND ON LAND)

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
- Network Protocols – TCP/IP, NetBEUI, X.25
- 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.

### ***Learning Outcomes***

Graduates will:

- Demonstrate the application of effective communication skills within various organizational contexts by applying communication theory in verbal, written or virtual delivery
- Demonstrate organizational behavior knowledge through the ability to diagnose and solve organizational problems
- Analyze and critique the role of leadership in effective practices for leading people and business processes
- Demonstrate proficiency in adhering to best practices in Server, Network, and Security administration
- Will actively pursue certifications from Microsoft, Cisco, and CompTIA

<b>Module</b>	<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>
1	PSY 3413	Personal and Professional Development	3
2	SNM 3413*	Windows Networking I	3
3	MGT 3413	Organizational Behavior I	3
4	SNM 3813*	Windows Networking II	3
5	SNM 3913*	Routers and Switches I	3
6	REL 3413	Biblical Perspectives in Western Culture	3
7	SNM 3923*	Routers and Switches II	3
8	SNM 4113*	Windows Networking III	3
9	SNM 4233	Network Security I	3
10	SNM 4333	Network Security II	3
11	GS 4423	Personal and Professional Ethics and Values	3
12	MGT 4413	Organizational Behavior II/Leadership	3

\* Modules meet two times a week.

### **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.

### ***Learning Outcomes***

Graduates will:

- Illustrate organizational behavior knowledge by demonstrating the ability to diagnose and solve organizational problems
- Demonstrate effective and competent communication within various organizational contexts by applying communication theory and concepts
- Apply and critique leadership theories by addressing a variety of organizational issues and problems
- Demonstrate effective organizational decision making through scientific reasoning and empirical evidence

<b>Module</b>	<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>
1	SP C 4423	Interpersonal Communication	3
2	PSY 3413	Personal and Professional Development	3
3	BADM 3143	Technical Communication	3
4	MGT 3413	Org. Behavior I; Diagnosis and Planned Change	3

5	BADM 4423	Applied Research and Reporting	3
6	STAT 3423	Data Analysis Methods	3
7	SP C 3473	Group and Organizational Communication	3
8	REL 3413	Biblical Perspectives in Western Culture	3
9	BADM 4413	Human Resources Administration	3
10	MGT 4413	Org. Behavior II; Leadership and Management	3
11	GS 4423	Personal and Professional: Ethics and Values	3
12	BADM 4433	Senior Research Project	3

## PRE-PROFESSIONAL PROGRAMS

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 pre-professional 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.

### 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 School 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 pre-athletic training or exercise science from the SNU School 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-ENGINEERING (See Department of Physics)

**PRE-LAW** (See Departments of History, Politics, and Geography, English, or School of Business for detailed information.)

### PRE-HEALTH

(Dentistry, Osteopathy, Veterinary Medicine, Physician Assistant or M.D., D.D.S., D.O., P.A., D.V.M.)  
Pre-health 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-health 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.

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-healths. 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.

Course Number	Course Title	Credit Hours
<b>Freshman First Semester</b>		
CHEM 1124	General Chemistry I	4
BIO 1314	Organismal Biology	4
ENGL 1113	Composition I	3
G S 1031L	New Student Institute	0
HP elective	U.S. History or American Government	3
<i>Total Semester Credit Hours</i>		<i>14</i>
<b>Freshman Second Semester</b>		
CHEM 1224	General Chemistry II	4
BIOL 2124	Microbiology	4
ENGL 1213	Composition II	3
HP elective	U.S. History or American Government	3
<i>Choose one of the following</i>		
ACC 2113	Accounting I	3
ECO 2123	Microeconomics	3
<i>Total Semester Credit Hours</i>		<i>17</i>
<b>Sophomore First Semester</b>		
CHEM 3114	Organic Chemistry I	5
PHYS 1114	General Physics I	4
MATH 2324	Calculus I	3
<i>Choose one of the following</i>		
PSY 1114	General Psychology	3
SOC 1113	Introduction to Sociology	3
<i>Total Semester Credit Hours</i>		<i>15</i>
<b>Sophomore Second Semester</b>		
CHEM 3125	Organic Chemistry II	5
PHYS 1214	General Physics II	4
FA 2123	Introduction to Fine Arts	3
HP 1533	Modern World	3
SOC 4183	Cultural Anthropology	3
<i>Total Semester Credit Hours</i>		<i>18</i>

## PRE-SEMINARY

See the School of Theology and Ministry

# Chapter 9

## 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 .

## 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)**  
A continuation of Principles of Accounting I (ACC 2113). Partnership, corporation, cost accounting, and statement analysis. **Prerequisite:** Principles of Accounting I (ACC 2113).
- 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 1010-4204 Private Lessons (1-2 credit hours)**  
Private instruction. May be repeated.

**APMU 1411 Class Voice-Adult Beginners (1 credit hour)**  
Study of basic concepts of voice production.

**APMU 1541 Class Piano-Adult Beginners (1 credit hour)**  
Study of the basic concepts in keyboard techniques. Basic beginning skills of keyboard playing.

**APMU 1551 Class Piano-Adult Intermediate (1 credit hour)**  
Continuation of 1141.

**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 3000-level lessons 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 2123 Introduction to Fine Arts (3 credit hours)**  
See FA 2123

**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 3223 Serigraphy (3 credit Hours)**  
See GDSG 3223

**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 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 4363 Acrylic Painting (3 credit hours)**

Introduction to the materials and technical aspects of painting with acrylic media. Direct observation skills and exploration of media through representational and non-representational painting. Composition, color, and experimentation will be explored.

**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 3003 Communication in a Global Environment (3 credit hours)**

This course explores effective communication practices for a diverse, global workplace. Application of written and oral communication skills along with preparation of business reports and other business writing will be conducted with the purpose of reducing barriers to cultural differences.

**BADM 3013 Exploring Leadership (3 credit hours)**

This course examines the type of leadership that is required to create and maintain high levels of performance in organizations. Students will be encouraged to understand their personal leadership style and how to use that knowledge to build supportive and collaborative relationships with peers and to enhance the abilities of employees.

**BADM 3103 Business Communication (3 credit hours)**

Principles of effective written and oral communication in a business environment. Practice in the preparation of resumes, letters, reports, and other forms of business writing. Course also includes a study of communication variables and barriers to effective communication in a business and practice with interviewing and business presentations.

**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)**

A continuation of Business Law I. Commercial Planning, Creditor's Rights, Secured Transactions, Agency and Employment Partnerships, Special Ventures, and Corporation. Real Property, Estates and Trusts.

**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 International Business and Ethics (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 1013 Environmental Sustainability and Resilience (3 credit hours)**

In this course, we will discuss the impact humans have on the environment in historical and contemporary contexts. We will introduce the basic functions of sustainability and merge that information with an understanding of directly related human impacts on the environment.

**BIOL 1113 Introduction to Biological Science (3 credit hours)**

A course for non-science majors, which provides an overview of biological systems. Topics include: biologically important molecules, metabolism, genetics and evolution, a survey of the five kingdoms, and ecology with a focus on human interaction with and responsibility for the environment. Three lecture hours per week.

**BIOL 1314 Organismal Biology (4 credit hours)**

An introductory organismal biology course intended for first semester Biology and BioChem 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 first semester Biology, BioChem, Environmental Studies, and Kinesiology majors. The topics presented in this course include Prokaryotic and Eukaryotic Cell Anatomy, Metabolism, Genetics and Human Body Systems. This course will also serve as a natural science with lab for non-majors. Three lecture hours and one three-hour laboratory session.

- 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) or Intro to General, Organic & Biological chemistry (CHEM 1024).
- BIOL 2321-3 Introduction to Research in Biology (1-3 credit hours)**  
This course provides an introduction to the research process and analysis of scientific literature. Students will develop foundational skills necessary for conducting independent research projects. Course content will include an introduction to a literature search, experimental design, data collection/analysis/presentation, and exposure to numerous research techniques. **Prerequisite:** One semester of a biological science.
- BIOL 2443 Biology in Pop Culture (3 credit hours)**  
This course will critically analyze popular television shows, books and movies to learn how accurately topics in Biology are portrayed. Topics can include blood typing, DNA testing, genetic/medical disorders, immunology cloning and biological warfare.
- 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 3114 Comparative Vertebrate Anatomy (4 credit hours)**  
The phylogeny of the vertebrates and their anatomy and developmental homologies from a comparative standpoint. A course for students in pre-professional health fields and all Biology students. Three lectures hours and one three-hour laboratory sessions per week. Lab work consists primarily of dissections. **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*, *Caenorhabditis 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 organisms interacting with each other and their environment, including multiple spatial scales ranging from individuals, populations and communities to ecosystems. Class will meet for two or three lectures (150 minutes total) and one three-hour lab per week. Field work will constitute a major part of the lab. General Ecology is a course for biology majors but also available for general education Windows credit, so there are no explicit prerequisite courses. However, it is recommended that biology majors take Cells and Systems (BIOL 1324) and Organismal Biology (BIOL 1314) prior to Ecology.
- BIOL 3163 Tropical Ecology QERC (3 credit hours)**  
An amplification of BIOL 3154 to the tropical biome. Emphasis is placed on altitudinal zonation 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, theology, philosophy, and literature. Each student will develop an annotated bibliography and a scholarly paper integrating course content with his/her own worldview. Enrollment will be limited to students with junior or senior standing.
- BIOL 3214 Ornithology (4 credit hours)**  
A course designed to acquaint the student with basic avian biology and ecology including the taxonomy and life history of birds. Field work will emphasize familiarity with the birds of Oklahoma and techniques involved in field identification, including recognition by sight and sound. Field labs will require some travel and potentially some overnight trips. Class involves three hours of lecture and three hours of field work per week. **Prerequisite:** Cells and Systems and Organismal Biology (or permission of the Instructor). Non-biology majors do not need to meet course prerequisites.
- 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 Biology (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 3274 Marine Ecology (4 credit hours)**

A course designed to familiarize the student with the physical, chemical, biological and ecological aspects of marine environments. Emphasis is placed on ecology. (Open to both science and non-science majors meeting the prerequisites.) Prerequisites: BIOL 1314—Organismal Biology lecture and lab or special permission by instructor. SCUBA certification is also required (may be taken at SNU or completed at outside venues). This semester's lab trip destination is Cozumel, Mexico. Students taking the course must be enrolled in both the lecture and lab components.

**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 3334 Environmental Health (4 credit hours)**

An in-depth look into environmental science with an emphasis on human impact on the environment as well as the environment's impact on human health. **Prerequisite:** Cells and Systems (BIOL 1324) and General Chemistry I (CHEM 1124).

**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 Advanced Human Anatomy: Cadaver Dissection (3 credit hours)**

An intensive course designed primarily for pre-health, 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:** One semester of Anatomy (either Human Anatomy/BIOL 2224 or Comparative Vertebrate Anatomy/BIOL 3114) or 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 4204 Advanced Human Physiology (4 credit hours)**

A study of the function of human body systems from the cellular level 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:** Cells and Systems (BIOL 1324), General Chemistry (CHEM 1124) and Cell and Molecular Biology (BIOL 3263) or permission of instructor.

**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 4273 Human Embryology (3 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) or Cell and Molecular Biology (BIOL 3263) AND one semester of Anatomy (either Human Anatomy/BIOL 2224 or Comparative Vertebrate Anatomy/BIOL 3114).

**BIOL 4293 Immunology (3 credit hours)**

This course provides the biological basis of the immune system, primarily at the cellular level. Topics presented include a comparison of the innate and adaptive immune systems in response to pathogenic infections as well as during cancer or tissue transplantation. **Prerequisite:** Cells and Systems, Microbiology, General Chemistry 1 and 2, Genetics. Recommended: Organic Chemistry 1, Biochemistry, Cell and Molecular Biology.

**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 Pastoral 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: Old Testament Lit and Life (B LT 2013), New Testament Lit and Life (B LT 2023) 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: Old Testament Lit and Life (B LT 2013), New Testament Lit and Life ( B LT 2023) 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.
- B LT 3233 The Bible as Literature (3 credit hours)**  
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.
- B LT 3243 Matthew and Mark (3 credit hours)**  
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 & Ministry: Old Testament Lit and Life (B LT 2013), New Testament Lit and Life ( B LT 2023) and Methods in Biblical Study (B LT 2163).
- B LT 3253 Pauline Epistles (3 credit hours)**  
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 & Ministry: Old Testament Lit and Life (B LT 2013), New Testament Lit and Life ( B LT 2023) and Methods in Biblical Study (B LT 2163).
- B LT 4123 8th & 7th Century Prophets (3 credit hours)**  
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 & Ministry: Old Testament Lit and Life (B LT 2013), New Testament Lit and Life ( B LT 2023) and Methods in Biblical Study (B LT 2163).
- B LT 4173 Johannine Literature (3 credit hours)**  
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 & Ministry: Old Testament Lit and Life (B LT 2013), New Testament Lit and Life ( B LT 2023) and Methods in Biblical Study (B LT 2163).
- B LT 4181-3 Directed Study (1-3 credit hours)**  
Individual study program. Professor permission required. \*This course is approved for graduate level credit, with additional reading and research.
- B LT 4193 General Epistles & Revelation (3 credit hours)**  
\* 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 & Ministry: Old Testament Lit and Life (B LT 2013), New Testament Lit and Life ( B LT 2023) and Methods in Biblical Study (B LT 2163).
- B LT 4213 Poetic and Wisdom Literature (3 credit hours)**  
\* 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 & Ministry: Old Testament Lit and Life (B LT 2013), New Testament Lit and Life ( B LT 2023) and Methods in Biblical Study (B LT 2163).

**B LT 4273 Luke-Acts (3 credit hours)**

\* 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 & Ministry: Old Testament Lit and Life (B LT 2013), New Testament Lit and Life ( B LT 2023) and Methods in Biblical Study (B LT 2163).

## C ED (CHRISTIAN EDUCATION )

**C ED 2123 Foundations of Christian Education (3 credit hours)**

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.

**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 Developmental Psychology Across the Lifespan (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 visioning, programming, and implementation.

**C ED 3163 Formation Ministries of the Local Church (3 credit hours)**

This course is an introductory course in the foundations, principles, and practices of the worship, Christian education, and service ministries of the local church. A comprehensive investigation will be made into the foundational structures upon which these key local church ministries are supported. The thorough examination will include an extensive look into the Biblical, theological, and historical aspects of worship, Christian education, and Christian service ministries along with principles that guide the proper administration of these ministries within the local church.

**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 1024 Introduction to General, Organic and Biological Chemistry (4 credit hours)**

This course is an university-level chemistry course designed to introduce the student to the structure of atoms and molecules, solution and acid-base chemistry, and the roles of organic functional groups in biochemical reactions, while emphasizing chemical substances involved in metabolic processes as sources of the energy and materials that sustain life.

**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)**

Concepts introduced in general chemistry have bearing on how scientific knowledge is gained and applied; the history of science; the modern concept of matter and energy; medicine, pollution and other issues. Topics include nomenclature, stoichiometry, aqueous reactions, atomic and molecular structure, periodicity, ionic and covalent bonding, thermochemistry, and gas laws. The patterns and underlying principles we discover allow us to understand and make predictions about the natural world. *Three lectures and one three-hour laboratory period per week.* **Prerequisite:** ACT Math score of 21 or above, or concurrent enrollment in College Algebra.

**CHEM 1224 General Chemistry II (4 credit hours)**

A continuation of General Chemistry I (CHEM 1124), with emphasis on solutions, bonding and intermolecular forces, kinetics, equilibrium, thermodynamics, electrochemistry, spectroscopy, and nuclear chemistry. *Three lectures and one three-hour laboratory period per week.* **Prerequisite:** General Chemistry I (CHEM 1124), and C- or better in College Algebra or Math ACT 21 or higher.

**CHEM 3024 Analytical Chemistry (4 credit hours)**

The principles and techniques of chemical separations and analysis. Emphasizes experimental design, sample preparation, statistical analysis and interpretation of data, and classical methods of analysis and introduces instrumental methods of analysis. *Three lectures and one 3.5-hour laboratory period per week.* **Prerequisite:** C- or above in General Chemistry II (CHEM1224)

**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 3114 Organic Chemistry I (4 credit hours)**

Organic Chemistry I is the first course of a two-semester sequence. Primary emphasis is on stereochemistry, acid-base theory, nomenclature, infrared and NMR spectroscopy, the basis of mechanistic interpretation and several functional group topics. 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).

**CHEM 3121 Organic Chemistry II Lab (1 credit hour)**

The laboratory emphasizes multistep synthesis and named reactions. One three-hour laboratory per week. **Prerequisite:** Organic Chemistry I (CHEM 3114)

**CHEM 3125 Organic Chemistry II (5 credit hours)**

Organic Chemistry II is the second semester of a two-semester sequence. The remaining functional groups are studied with a heavy emphasis on mechanistic interpretation and synthetic strategies. The laboratory emphasizes multistep synthesis and named reactions. Four lectures and one three-hour lab per week. **Prerequisite:** Organic Chemistry I (CHEM 3114).

**CHEM 3133-4 Biochemistry (3-4 credit hours)**

Principle topics are protein structure and function; enzymes with an emphasis on selected enzyme mechanisms; detailed aspects of energy metabolism; selected metabolic pathways and their regulation. **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 Instrumental Analysis (3 credit hours)**

Emphasizes modern instrumental methods of chemical analysis, such as spectroscopy, mass spectrometry, electrochemistry, and thermal methods. Emphasis on the instrument components and principles of operation, basic electronics and signal processing. *Two lectures and one three-hour laboratory period per week.* **Prerequisite:** C- or above in General Physics I.

**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)**

Physical chemistry emphasizes the connection between qualitative and quantitative microscopic models and macroscopic phenomena of physical properties and chemical change. Topics include introduction to quantum mechanics and statistical thermodynamics, orbital theory, spectroscopy, molecular modeling and the solid state. Three lectures and one laboratory per week. **Prerequisite:** General Physics for Scientist & Engineers (PHYS 2114) and Calculus II (MATH 2424) prerequisite or corequisite.

**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) and 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 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.

**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 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.

**CM 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 2444 Introduction to Computer Science I (4 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. **Prerequisite:** Pass MATH 1513 College Algebra (or a higher Math course) with a grade of C or better **OR** an ACT Math score of 23 or above.

**CSNE 2543 Introduction to Computer Science II (3 credit hours)**

A continuation of Introduction to Computer Science I (CSNE 2444) 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 2444) or approval of department

**CSNE 2913 Computer Hardware and Networking (3 credit hours)**

This course covers the basics of computer hardware and networking. Students gain hands-on experience with a variety of computer and networking hardware. The course introduces basic computer and networking technology, including terms, concepts and best practices. The course also prepares students to engage in "real world" troubleshooting using industry-standard hardware and exercise based on "real world" situations.

**CSNE 2923 Data Structures (3 credit hours)**

Builds on the foundations provided by Introduction to Computer Science I and II (CSNE 2444 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 2444/CSNE 2543) or approval of department.

**CSNE 3173 Intermediate OO Programming (3 credit hours)**

This course focuses on the practical aspects of object-oriented programming and software development. Typical topics include UML diagrams, I/O, event-driven programming, concurrent programming, networking, source control, unit testing and build management.

**CSNE 3183 Procedural Programming (3 credit hours)**

This course introduces the fundamental concepts of procedural and structured programming. Typical topics include data types, control structures, arrays, memory management, basic I/O, and software development practices.

**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

**CSNE 3213 Computer Architecture (3 credit hours)**

The emphasis of the course will be studying an assembly language. The language will be used to

understand computer systems and machine level programming. **Prerequisite:** Data Structures (CSNE 2923)

**CSNE 3413 Windows Networking I (3 credit hours)**

The course provides students with the knowledge and skills necessary to do server installation in a Windows Server 2008 environment. **Prerequisite:** Computer Hardware and Networking (CSNE 2913)

**CSNE 3673 Network Administration I (3 credit hours)**

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. **Prerequisite:** Computer Hardware and Networking (CSNE 2913)

**CSNE 3683 Network Administration II (3 credit hours)**

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). **Prerequisite:** Network Administration I (CSNE 3673) or with permission based on previous Linux experience.

**CSNE 3713 Computer Forensics (3 credit hours)**

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. **Prerequisite:** Network Administration I (CSNE 3673)

**CSNE 3813 Windows Networking II (3 credit hours)**

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. **Prerequisite:** Windows Networking I (CSNE 3413)

**CSNE 3913 Routers and Switches I (3 credit hours)**

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. **Prerequisite:** Computer Hardware and Networking (CSNE 2913)

**CSNE 3923 Routers and Switches II (3 credit hours)**

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). **Prerequisite:** Routers and Switches I (CSNE 3913)

**CSNE 3943 Computer Graphics (3 credit hours)**

An introduction to two- and three-dimensional computer graphics. Topics include coordinate systems, transformations, light, color, rendering, and graphical programming. **Prerequisite:** Data Structures (CSNE 2923) and Linear Algebra (MATH 3133)

**CSNE 3953 Object-Oriented Analysis & Design (3 credit hours)**

An introduction to the analysis and design of object-oriented software. Topics include problem analysis, modeling methodologies, object design, and design patterns. **Prerequisite:** Data Structures (CSNE 2923)

**CSNE 4113 Windows Networking III (3 credit hours)**

This course provides students with knowledge and skills to plan for a Windows 7 installation, setup and connectivity in a networked environment. **Prerequisite:** Windows Networking I and II (CSNE 3413 and 3813)

**CSNE 4123 Windows Networking IV (3 credit hours)**

This course provides students with the knowledge and skills necessary to install, configure and administer Active Directory™ directory services. This course concludes with an extended study of Identity and Access solutions in Active Directory™. **Prerequisite:** Windows Networking II and III (CSNE 3813 and 4113)

**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 2444 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 News Writing (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 3181-3 Special Studies in CW (1-3 credit hours)**
- 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:** News Writing (C W/MCOM 2313) or Introduction to Genre Writing (CW 2813).
- 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 field experience 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 a field experience in the public school classroom. **Prerequisite:** 24 credit hours completed.
- ED 2173 Developmental Psychology Across the Lifespan (3 credit hours)**  
See PSY 2173
- ED 3143 Digital Fluency (3 credit hours)**  
Digital fluency is an evolving aptitude which empowers an individual to effectively and ethically interpret information, discover meaning, design content, construct knowledge and communicate ideas in a digitally connected world. During this course, students will practice and apply the skills of collaboration, communication, problem solving, research, critical thinking, design, ethical assessment of digital commons and copyright attention to online identity and privacy, and project management. The primary emphasis of the course is on multimedia creation and design utilizing emerging technologies.
- ED 3212 Methods in Secondary Mathematics (2 credit hours)**  
Methods for teaching mathematics in the secondary school. A minimum of 6 hours of observation are required. **Prerequisite:** Admission to the Educator Preparation Program.
- ED 3222 Child Development (2 credit hours)**  
A study devoted to understanding human change from conception to adolescence. Observations of children at various ages and stages of development are required (10 hours of observations required).
- 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 in Secondary Science addresses pedagogical ideas and models such as active learning, inquiry-based learning and the 5E model. In addition, formative and summative assessment tools include questioning and discussion strategies, design of tests, performance rubrics and authentic assessments in context of developing scientific literacy among science students. Emphasis is given to application within the classroom and lab to ensure that teacher candidates have a significant effect on student learning (minimum of 6 hours of observation and execution of one lesson are required). **Prerequisite:** Admission to Educator Preparation Program.
- 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. Traits of quality children's literature will be discovered as candidates read a wide-range of narrative and informational text that are appropriate for Pre-K through primary grades. 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. Candidates with a classmate will be required to teach one lesson to primary grades. The lesson will integrate visual arts with language arts. (1 hour field experience)

- ED 3442 Elementary STEM I—Studies in Science (2 credit hours)**  
This course is designed to give the prospective teacher necessary knowledge and skills to teach Pre-K through elementary school levels (1 hour of observation required).
- ED 3452 Elementary STEM II—Studies in Math (2 credit hours)**  
This course is designed to prepare students for effective teaching of Mathematics at the PK-3rd grade levels. (NOTE: For Early Childhood Majors)
- ED 3453 Elementary STEM II—Studies in Math (3 credit hours)**  
This course is designed to prepare students for effective teaching of Mathematics at the intermediate school level. (NOTE: For Elementary Education Majors)
- 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. Candidates will be required to read current quality children's and young adult literature and how to use the books in the classroom. Emphasis will be placed on developing classrooms where young children discover the richness and power of written and oral communication. Candidates will be required to teach a Junior Achievement unit to an elementary class in a low SES setting. (5 hours of field experience)
- ED 3512 Social Studies in Elementary School (2 credit hours)**  
A course designed to acquaint the student with curriculum materials and 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 Educator Preparation 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 (15 practicum hours required).
- 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. (30 practicum hours required). Practicum experience provides the opportunity for the student to put theory into immediate practice.
- 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 (within 50 mile radius of SNU). **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 (within 50 mile radius of SNU). Prerequisite: Senior standing and admission to the Professional Semester. (Liability insurance included in 'Professional Semester' fee).
- ED 4141 Survey of the Exceptional Child (1 credit hour)**  
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 (5 hours of observation in a public school required).
- 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 of Teacher Work Sample (TWS) which includes: 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 candidates learning and experience with informal and formal diagnostic instruments. The candidates will also be involved with direct tutoring experiences using diagnosis and remedial techniques. (21 hours of field experience)
- 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. Appropriate teaching strategies and materials are included as well as classroom simulations and field experiences.
- ED 4522 Characteristics of Early Adolescent (2 credit hours)**  
This course is designed to assist candidate to understand how middle school students learn and develop, and can provide learning opportunities that support their intellectual, social, and physical development at these grade levels. This course requires 8 hours of field experience.
- 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. The course includes 20 hours of observation and tutoring in a middle school. (20 hours of field experience)
- ED 4553 Child & Social Systems (3 credit hours)**  
This course is designed to help those preparing to teach to understand current issues relating to the home, school, and the community. Teacher candidates become acquainted with the ever-changing social structures that influence school function.
- ED 4700 Student Teaching Seminar (0 credit hours)**  
This seminar 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 4720 Seminar: English Language Learner Strategies (0 credit hours)**  
This seminar, offered during the Student Teaching Semester (Student Teaching Seminar II), is required of all education majors preparing for a teaching career. Focus of seminar will center on current research regarding ELL instruction, English Language Learner teaching strategies, and practical aspects of pedagogical, instructional and administrative aspects regarding English Language Learners in 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.
- 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 (within 50 mile radius of SNU). (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 (within 50 mile radius of SNU). (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 (within 50 mile radius of SNU). (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 observation/teaching in accredited schools of the surrounding areas (within 50 mile radius of SNU). (Liability insurance included in 'Professional Semester' fee). **Prerequisite:** Senior standing and admission to the Professional Semester.
- 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 (within 50 mile radius of SNU). (Liability insurance included in 'Professional Semester' fee). **Prerequisite:** Senior standing and admission to the Professional Semester.

## 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 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.
- 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 2111-3 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 majors. May be repeated for credit.
- 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 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 News Writing (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 2533 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 Grantwriting for Nonprofits(3 credit hours)**  
Introduces students to the grantwriting process and provides experience in writing grant applications for nonprofit 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 3163 Survey of British Literature I (3 credit hours)**  
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.
- ENGL 3173 Survey of British Literature II (3 credit hours)**  
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.
- ENGL 3181-3 Directed Study (1-3 credit hours)**  
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.
- ENGL 3191-3 Literary Field Studies (1-3 credit hours)**  
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.
- ENGL 3202-3 Special Studies in Literature (2-3 credit hours)**  
Intensive study of selected issues in literature. May be repeated with different subject matter.
- ENGL 3223 Mythology (3 credit hours)**  
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. **Prerequisite:** ENGL 2413 and THEO 2233.
- ENGL 3233 The Bible as Literature (3 credit hours)**  
See B LT 3233.
- ENGL 3283 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.

**ENGL 3293 Genre Studies (3 credit hours)**

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.

**ENGL 3313 Magazine Writing (3 credit hours)**

See MCOM 3313

**ENGL 3323 Survey of World Literature (3 credit hours)**

A study of the major literary works, fiction, essays, poetry, epic and drama from around the world which formed present world cultures and influences.

**ENGL 3413 Strategies in Teaching English I (3 credit hours)**

Methods and materials for teaching English in the secondary school. Requirements include observation of English instruction. **Prerequisite:** Admission to the Teacher Education Program.

**ENGL 3421 Strategies in Teaching English II (1 credit hour)**

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. **Prerequisite:** Strategies in Teaching English I (ENGL 3413).

**ENGL 3523 Latino Literature (3 credit hours)**

See SPAN 3523

**ENGL 4001-2 Senior Thesis (1-2 credit hours)**

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.

**ENGL 4093 The Novel (3 credit hours)**

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 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 4123 Science, Technology, Ethics and the Future**

Technological advances are rapidly changing society and our idea of normalcy. With these changes come a variety of ethical dilemmas. Unfortunately, given the unpredictable and disruptive nature of technology, it is difficult to predict its effects future effects on society and, therefore, difficult to anticipate one's ethical responses to these changes. However, science fiction media and literature, specifically those related to the cyberpunk genre, can provide a conceptual foundation upon which discussions regarding the possible effects of technology can be built. In this course, we will watch some science fiction movies. We will read some science fiction books. Most importantly we will think about how technology affects how we treat the unknown and each other.

- 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 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)**

## **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. Aesthetics (G S 1413) recommended.

**FA 2511 Experience in Play Performance (1 credit hour)**

See SP C 2511

**FA 3413 Is it Art? Modern Artistic Expression (3 credit hours)**

This course will explore visual art and architecture in the Western world since 1900. Building on the principles learned in Aesthetics, we will explore the explosion of styles and artistic movements that began with the 20th century and is continuing today. The course will include either a week-long trip to New York City or a weekend trip to Dallas/Fort Worth where we will see many of the art pieces and architecture discussed in the course.

## **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 3123 Finance for Managers (3 credit hours)**

The focus of this course is analyzing elements that comprise business finance from a managerial perspective. Evaluating corporate financing concepts, budgeting, markets, and strategic financial planning will assist the student in analyzing the important role finance plays in the success of an organization.

**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 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.

**GDSG 1213 Design I**

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.

**GDSG 1223 Design II**

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 (GDSG 1213) or permission of instructor.

**GDSG 1311 Introduction to Cultural & Communication Studies (1 credit hour)**

See ENGL 1311

**GDSG 2033 Color Visual Language**

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.

- GDSG 2223 Design Aesthetics (3 credit hours)**  
A studio-based introduction to the design process; creative problem-solving process emphasizes divergent thinking skills through observation, evaluation, communication and implementation.
- GDSG 2333 Design Technology (3 credit hours)**  
A studio/lecture based introduction to the design software, Adobe Creative Suite. Projects will implement the creative problem solving process while becoming technically proficient in Adobe Illustrator, InDesign & Photoshop.
- 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 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 In-Design. **Prerequisite:** GDSG 2413 or permission of instructor.
- GDSG 3013 History of Art and Design**  
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.
- GDSG 3123 Interactive Web Authoring (3 credit hours)**  
Interactive Web Authoring is a course designed to promote creative thinking in regards to Web design. The course is designed to teach students how to use industry-standard software to create a site from the ground up.
- GDSG 3223 Serigraphy (3 credit hours)**  
This course will familiarize students with essential equipment, materials and procedures to produce hand-pulled serigraphs of fine art quality. Students will be given assignments to accomplish specific skills needed to function in screen development, ink formulation, color mixing, printing procedures and cleanup. Experimentation and discovery by students is encouraged to advance their knowledge and accomplish personal creative endeavors.
- 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:** GDSG 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:** GDSG 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:** GDSG 2413, GDSG 3423 and 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 2132-3 Leadership Development (2-3 credit hours)**  
This course is an interactive exploration of personal leadership development. It is offered to students (sophomore-senior) who are currently serving in a student leadership position of any kind. The course will offer an expanded view of areas associated with leadership such as communication, group development, team dynamics, service, values, ethics, diversity, mission and vision, and leading change.
- 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). Recommended 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 2433 Introduction to the Holocaust (3 credit hours)**  
This course seeks to engage learners in a critical consideration of the moral and religious and theological implications of Nazi German's "war against the Jews," the intentional and calculated destruction of some six million European Jews (accompanied by the enormous suffering and losses experienced by other "undesirable" groups) which is referred to as the Shoah, or Holocaust.

- 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 1113 Honors Psychology (3 credit hours)**
- 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 G S 1163
- 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 G S 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 3113 Honors Interdisciplinary Seminar (3 credit hours)**
- HON 3211-2 Intercultural Practicum (1-2 credit hours)**
- HON 3213 Logic and Problem Solving (3 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.
- HON 4111-2 Honors Thesis/Project (1-2 credit hours)**

## **HP (HISTORY, POLITICS, AND LAW)**

- 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 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 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 Introduction to Oklahoma and Its People (3 credit hours)**  
This course examines the social, economic, political, and philosophical/theological history of Oklahoma from the time of its earliest known pre-historic human inhabitants to the present. In this course, the learner will study the history of Oklahoma from before the beginning of known civilization to the present. In addition, during the final portion of the course, he or she will study the rudiments and practices of Oklahoma government, from the three federal branches through the state and local levels. Special focus will be giving to the people, cultures, events, and the often-contrasting philosophies/beliefs that most significantly shaped the modern state.
- HP 2333 Introduction to International Relations (3 credit hours)**  
This course is an introductory survey to the field of International Relations. In this class we analyze the basics of interstate relations over a range of topics. We begin the course with an introduction to the field, including its history and main theories and scholars.
- 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 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 B LT 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.
- HP 3353 Recent America (3 credit hours)**  
This course will examine the political, social, economic, intellectual, diplomatic and cultural dynamics that shaped the last half of the Twentieth Century. **Prerequisite:** U.S. History I & II (HP 1483, 1493) and Historical Methods (HP 2112) OR permission of the instructor.
- HP 3413 Medieval Europe (3 credit hours)**  
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. **Prerequisite:** World Civilization I (HP 2013) or Modern World (HP 1533) and Historical Methods (HP 2112) OR permission of the instructor.
- HP 3423 Early Modern Europe: 1450-1789 (3 credit hours)**  
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. **Prerequisite:** World Civilization I (HP 2013) or Modern World (HP 1533) and Historical Methods (HP 2112) OR permission of the instructor.
- HP 3433 Modern Europe: 1789-1960 (3 credit hours)**  
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. **Prerequisite:** World Civilization I (HP 2013) or Modern World (HP 1533) and Historical Methods (HP 2112) OR permission of the instructor.
- HP 3991-3 Special Topics (1-3 credit hours)**  
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.
- HP 4003 Special Studies in History (3 credit hours)**  
General Studies Elective course in special topics.
- HP 4123 Modern East Asia (3 credit hours)**  
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 "economic miracles" in Japan and South Korea. **Prerequisite:** Sophomore standing or American Federal Government (HP 1113).

- HP 4133 Comparative Politics (3 credit hours)**  
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.
- HP 4143 International Political Economy (3 credit hours)**  
This class examines the dynamics, theories and controversies of the global economy. Students will learn about topics such as free trade, economic development, international trade organizations, and how the economy impacts a changing climate or the emergence of conflict. The class is a great introduction to the numerous economic debates currently unfolding in an increasingly globalized world.
- HP 4153 Constitutional Law (3 credit hours)**  
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.
- HP 4173 Modern Latin America (3 credit hours)**  
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 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 (1-3 credit hours)**  
The goal of this internship is to allow students to accrue real-world experience with an agency, firm or organization in their field of study be it history, politics or pre-law. (See attached for rest of description.)
- 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 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 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 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 sixty (60) 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.

## 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 on 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 (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 1722 Introduction to Sport Management (3 credit hours)**  
This course introduces students to the sport management profession and the myriad of opportunities available to them in the sport industry. The basic principles and tenets of sport management will be addressed so that students are able to begin making choices concerning future career preparation within the sport industry. Students will also be provided with the opportunity to consider different challenges that sport managers face today.

- 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 Lacrosse. Course instruction will be on motor skill proficiency, acquisition, and techniques, rules, tactics, and safety practices 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 instruction 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 2631 Athletic Training Practicum I (1 credit hour)**  
This course is a combination of clinical and classroom work and is intended to provide the student with an experience in the prevention, treatment, & rehabilitation of athletic injuries under the direct supervision of the Preceptor. The experience will also provide the student with exposure to athletic training administration and management issues and skills. This experience will focus on emergency care.
- 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 2641 Athletic Training Practicum II (1 credit hour)**  
This course is a combination of clinical and classroom work and is intended to provide the student with an experience in the prevention, treatment, & rehabilitation of athletic injuries under the direct supervision of the Preceptor. The experience will also provide the student with exposure to athletic training administration and management issues and skills. This experience will focus on basic skills and knowledge of the athletic training profession.
- 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.
- 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 2883 Mechanics of Man (3 credit hours)**  
A study of articulations, movements and muscular analysis involved with daily activity, exercise and fitness.
- KNES 3343 The Modern Olympics (3 credit hours)**  
An overview of the Olympic movement and the dream of Olympism, Emphasis will be placed on the social settings of each Olympic Game. Particular attention will be given to the historical political climate. An examination will be given of the power structures controlling the Olympics including international governing bodies. Lastly this course will explore the economic impact of the Olympics.
- 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 3633 General Medical Conditions & Treatment (3 credit hours)**  
This course will focus on the recognition, evaluation and treatment of general medical conditions that Athletic Trainers will encounter in clinical practice. The course of study will include conditions in regards to athletes such as (but not limited to) general illness, diabetes, asthma, pregnancy and anemia.
- KNES 3651 Athletic Training Practicum III (1 credit hour)**  
This course is a combination of clinical and classroom work and is intended to provide the student with an experience in the prevention, treatments & rehabilitation of athletic injuries under the direct supervision of the Preceptor. The experience will also provide the student with exposure to athletic training administration and management issues and skills. This experience will focus on lower extremity injury evaluation.
- 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 3661 Athletic Training Practicum IV (1 credit hour)**  
This course is a combination of clinical and classroom work and is intended to provide the student with an experience in the prevention, treatment & rehabilitation of athletic injuries under the direct supervision of the Preceptor. The experience will also provide the student with exposure to athletic training administration and management issues and skills. This experience will focus on upper extremity injury evaluation.
- 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 experience 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 or 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 4633 Clinical Reasoning & Evidenced Based Practice (3 credit hours)**  
This capstone course will focus on the reasoning behind clinical decisions in the Athletic Training profession. It will be based around clinical scenarios and interprofessional education where students will discuss, critically think and problem solve through all aspects of clinical decision making. Students will have to defend their decisions based on clinical evidence through peer reviewed journals and student research projects.
- 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 4671 Athletic Training Practicum V (1 credit hour)**  
This course is a combination of clinical and classroom work and is intended to provide the student with an experience in the prevention, treatment & rehabilitation of athletic injuries under the direct supervision of the Preceptor. The experience will also provide the student with exposure to athletic training administration and management issues and skills. This experience will focus on skills and knowledge of therapeutic modalities.
- 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 4681 Athletic Training Practicum VI (1 credit hour)**  
This course is a combination of clinical and classroom work and is intended to provide the student with an experience in the prevention, treatment & rehabilitation of athletic injuries under the direct supervision of the Preceptor. The experience will also provide the student with exposure to athletic training administration and management issues and skills. This experience will focus on skills and knowledge of therapeutic rehabilitation.
- 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.
- 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 4771 Senior Seminar in Sport Management (1 credit hour)**  
This course is required for all sport management majors and will serve as a culminating experience. Class content will emphasize the importance of a professional disposition and maintaining a professional brand in pursuit of a career in the sport industry. A specific focus will be placed on ethical decision making skills in the sport industry and assessing the sport industry knowledge of each student.
- 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 0510 Prep for College Algebra (0 credit hours)**  
This course is designed to prepare a student to succeed in College algebra. Topics include the Real number system, equations and inequalities, exponents and polynomials, lines and functions, rational expressions and radical expressions.
- 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:** Two years of high school algebra with grades of A or B and ACT Math score of 21 or higher (SAT Math of 540 or higher). If the ACT Math score is 20 or lower, you are required to enroll in the SNU Prep for College Algebra course of ALEKS. Proficiency level of 75% must be attained before the beginning of College Algebra to continue in the course.
- MATH 1613 Plane Trigonometry (3 credit hours)**  
A study of trigonometric functions through their properties and graphs. **Prerequisite:** ACT Math score 21 or higher (SAT Math score of 540 or higher) and 3 years HS math including Algebra I, Algebra II, and Geometry.
- 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:** MATH 1513 (or high school Algebra II) and MATH 1613 (or high school Trigonometry), both with a grade of C or better.
- 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 2444).
- 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 cryptology. 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 2542 Introduction to Production Technology (2 credit hours)**  
An overview of the technology required for basic live productions, geared primarily for the church setting, including sound reinforcement, lighting, video production 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 GDSG 1213
- MCOM 1223 Design II (3 credit hours)**  
See GDSG 1223
- MCOM 1311 Introduction to Cultural & Communication Studies (1 credit hour)**  
See ENGL 1311
- MCOM 2223 Design Aesthetics (3 credit hours)**  
See GDSG 2223
- MCOM 2313 News Writing (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 2333 Digital Photography (3 credit hours)**  
This course introduces digital photography as a medium and an integral part of today's digital literacy. The course includes the study of photography as an art form, as well as, exploring hands on manipulation of camera controls and post processing using Adobe Lightroom Software.
- 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)**  
The course introduces the planning, production and post-production processes for producing quality

video projects in studio and freelance environments. Students produce multiple video projects and learn basic video editing skills using nonlinear editing software.

**MCOM 2513 Studio Recording I (3 credit hours)**

See MBUS 2513

**MCOM 2523 Studio Recording II (3 credit hours)**

See MBSU 2523

**MCOM 2813 Introduction to Genre Writing (3 credit hours)**

See C W 2813

**MCOM 3143 Technical Communications (3 credit hours)**

See ENGL 3143

**MCOM 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.

**MCOM 3123 Interactive Web Authoring (3 credit hours)**

See GDSG 3123

**MCOM 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.

**MCOM 3183 Directed Study (3 credit hours)**

**MCOM 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.

**MCOM 3353 Advanced Video Production (3 credit hours)**

This course advances the theory, skills, and techniques learned in Video Production (MCOM 2293) and adapts them to the production of a short film. Additionally the course includes the study of 5 feature films to demonstrate effective story telling with video. Pre-requisite: Video Production (MCOM 2293) or approval of instructor.

**MCOM 3363 Newspaper Editor Practicum (3 credit hours)**

A course designed for and limited to the editor of the college newspaper.

**MCOM 3372-3 Yearbook Editor Practicum (2-3 credit hours)**

A course designed for and limited to the editor of the college yearbook.

**MCOM 3383 Publication Design & Production (3 credit hours)**

See GDSG 3383

**MCOM 4103 English Grammar II (3 credit hours)**

See ENGL 4103

**MCOM 4183 Media Law (3 credit hours)**

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.

**MCOM 4213 Media Ethics (3 credit hours)**

The Media Ethics class will help students develop an ability to think through the ethical problems that professionals encounter in print, broadcast and online journalism and in other media work. The class emphasizes the media decisions the professional makes as well as the processes of making ethically defensive decisions. At the conclusion of the course, individuals should be more aware of his or her own ethics and how to put them into practice.

**MCOM 4323 Broadcast News (3 credit hours)**

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:** News Writing (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 Vocal Music History (1 credit hour)**

This course will survey the development of vocal music and provide a perspective on singing from many cultures and periods.

**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.

**M ED 3372 Conducting I (2 credit hours)**

Basic principles in conducting technique, interpretation, and elements of expression.

- M ED 3382 Conducting II (2 credit hours)**  
The musical scores, rehearsal procedures, concert, competition and festivals. Separate emphasis on Choral and Instrumental.
- M ED 3391 Fundamentals of Instrumental Method (1 credit hour)**  
Provides the vocal music education student with a functional knowledge of woodwinds, brass, strings and percussion.
- M ED 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 (M ED 3352).
- M ED 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.
- M ED 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.
- M ED 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.
- M ED 4322-3 Music History II: 1600-1825 (2-3 credit hours)**  
A continuation of M ED 3302 with emphasis on the Baroque and Classical eras. Can be taken for three hours of credit with addition of a research paper.
- M ED 4332-3 Music History III: 1825 to present (2-3 credit hours)**  
A continuation of M ED 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.
- M ED 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.
- M ED 4352 Elementary Music Methods (2 credit hours)**  
Methods for teaching music in the elementary school.
- M ED 4362 Secondary Music Methods (2 credit hours)**  
Methods for teaching music in the secondary school.
- M ED 4481-3 Directed Study (1-3 credit hours)**
- M ED 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).
- M ED 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 Orchestra (1 credit hour)**

Open to string majors by audition; may be repeated. Appropriate orchestral option will be determined according to arrangements with area ensembles, the student's degree and level of preparation, and in consultation with the Department Chair of the School of Music.

**MENS 2531 Sound of the Storm Marching Band (1 credit hour)**

(Marching Band meets in the fall semester only). Membership is open to students from all majors. The band appears at all home football games, selected campus and community events, and a selected away game or marching exhibition. The ability to play a wind or percussion instrument or ability to be part of the auxiliary units (color guard or feature twirler) is a prerequisite. Previous high school or home school band experience is preferred. Membership in wind, percussion, and auxiliary groups will be by audition and/or permission of the instructor. All instrumental students are required to play in the Symphonic Band for the spring Semester. All members of the SNU Marching Band are required to attend summer band camp prior to the official class start date.

**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 2591 Chamber Ensemble (1 credit hour)**

Performance opportunities for string, brass, and woodwind students.; 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 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.

**MENS 3571 University Singers (1 credit hour)**

Open to all students by audition. University Singers' repertoire includes contemporary and jazz styles. The group travels on the region and periodically takes international musical missions tours. The group is under the leadership of Prof. Jim Graves.

## **MGT (MANAGEMENT)**

**MGT 2113 Principles of Management (3 credit hours)**

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.

**MGT 3123 Human Resource Management (3 credit hours)**

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.

**MGT 3133 Small Business Management (3 credit hours)**

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. **Prerequisite:** Principles of Accounting I (ACC 2113).

- MGT 3143 Diversity in the Workplace (3 credit hours)**  
This course is designed to expand the student's understanding of diversity within organizations, including cultures that are not derived principally from the European experience. A comparative perspective allows students to explore key racial/ethnic groups as well as protected classes of individuals. The goal of the course is to cultivate insight and respect for diversity by requiring students to explore a world quite different from their own.
- MGT 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.
- MGT 3413 Organizational Behavior I: Diagnosis & Planned Change (3 credit hours)**  
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.
- MGT 3423 Managing a Diverse Workforce (3 credit hours)**  
This course will focus on human resource decision making and address the activities of recruiting, selecting, training, and developing a diverse workforce. Cultural intelligence will be emphasized and students will be exposed to identifying biases so they can be effective at leading and managing across cultures.
- MGT 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.
- MGT 4123 Business Policy (3 credit hours)**  
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. Simulation teams play a central role as students set goals, monitor and report performance receiving routine critique from the instructor and professionals within the classroom. Prerequisite: Principles of Accounting I and II (ACC 2133 and 2123), Macroeconomics (ECO 2113) and Principles of Management (MGT 2113).
- MGT 4143 Production & Operations Management (3 credit hours)**  
A detailed study of manufacturing/operations management. Areas studied include: organizing, product development, production system, and work standards.
- MGT 4153 Practical Problems in Management (3 credit hours)**  
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. **Prerequisite:** Principles of Management (MGT 2113), and three other credit hours of Management.
- MGT 4163 Organizational Behavior (3 credit hours)**  
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.
- MGT 4173 International Management (3 credit hours)**  
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.
- MGT 4181-3 Internship/Directed Study (1-3 credit hours)**  
Paraprofessional experience or individual study of problems or reading in business and management. **Prerequisite:** 12 credit hours of business, permission of the instructor, and 3.00 GPA.
- 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 2183 Cultural Anthropology for the Ministry (3 credit hours)**  
This is a survey of the cultures of our world with a special look at non-western societies. The course will provide tools for more effective intercultural communications as well as giving us a mirror in which to see our own cultural groups more clearly.
- 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
- 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 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 3283. \*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 is recommended.

**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 microanalysis. 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 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, contain, 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)**

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.

**N S 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.

**N S 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.

**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 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.

**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 Gerontology 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.
- NURS 4001 Nursing Strategies (1 credit hour)**  
This course will assist students to develop NCLEX-RN test taking skills, study strategies, critical thinking methods, remediation of nursing content, and self-evaluation.
- NURS 4325 Maternal-Child Nursing (5 credit hours)**  
Review of the spiritual, intellectual, physical, emotional, and social concepts which occur in the care of maternal and pediatric clients. The development of the family within the context of the culture is explored, both from an individual, family, and group perspective. Health maintenance and promotion will be studied. Disease process and health problems common to childhood are studied. Those theories and concepts are then applied in the process of nursing care to promote wellness in the life span through clinical experiences, care plans.
- NURS 4342 Nursing Research (2 credit hours)**  
The scientific approach to nursing practice is explored. Knowledge of the research process is expanded through critical analysis of nursing research articles. The course is designed to assist the student to apply research findings appropriately in nursing practice and education.
- NURS 4364 Nursing Leadership (4 credit hours)**  
Concepts of leadership and management as they relate to nursing practice, nursing service, and the delivery of health care are explored. Emphasis is on application of these concepts within the clinical setting. Organization and role theories are analyzed within the assigned clinical area. Researchable problems are identified.

- NURS 4372 Professional Trends and Issues (2 credit hours)**  
Legal ethical and economic trends and issues and current events affecting the delivery of health care and nursing practice are explored and analyzed. Emphasis is on socialization of the new graduate into the practice of professional nursing.
- NURS 4415 Adult Nursing II (5 credit hours)**  
Building upon concepts presented in prerequisite courses, the nursing process, critical thinking and current research are applied in caring for adults with complex disturbances of health in all body systems, both acute and chronic. Nursing care focuses on enabling the individual and his/her family to achieve the highest possible level of wellness.
- NURS 4434 Adult Nursing III (4 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, which are life threatening and effect multiple organ systems. Nursing care focuses on enabling the individual and his/her family to achieve the highest possible level of wellness.
- NURS 4801 Nursing Seminar (1 credit hour)**  
A one credit hour evaluation of nursing student preparedness for the NCLEX-RN exam. Content will be comprised of synthesis and comprehension testing on overall content of the nursing program.
- NURS 4903 Health Assessment & Promotion Across Lifespan (3 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.
- NURS 4913 Community Health Nursing: Family & Local Environment (3 credit hours)**  
Concepts of health maintenance are studied with the focus on the family throughout the life span. The nursing process is applied to family and community health. An in-depth family study is done as well as a beginning community assessment to identify resources for health and safety available to the study family. Local health agencies will be utilized in providing experiences for the clinical portion.
- NURS 4923 Nursing Research (3 credit hours)**  
The scientific methods of problem solving and theory development is explored through nursing research. Knowledge of the research process and critical thinking are expanded by critiques of nursing research articles. Emphasis is given to research utilization in practice.
- NURS 4933 Gerontology & Disability Care (3 credit hours)**  
The focus of the course is best practices in gerontology 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.
- NURS 4934 Gerontology, Chronic Disease & Disabilities (4 credit hours)**  
The focus of the course is best practices in gerontology 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. Epidemiology 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 health/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 map work 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. **Prerequisite:** At least one philosophy class, (pref. PHIL 2013 Introduction to Philosophy)

### 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. **Prerequisite:** Introduction to Philosophy (PHIL 2013).

### 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 3283

**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.

**PHYS 1114 General Physics I (4 credit hours)**

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:** C or better in College Algebra or an ACT Math score of 23 or better.

**PHYS 1123 Introduction to Astronomy (3 credit hours)**

See G S 1123

**PHYS 1214 General Physics II (4 credit hours)**

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).

**PHYS 2114 General Physics for Scientists and Engineers I (4 credit hours)**

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.

**PHYS 2214 General Physics for Scientists and Engineers II (4 credit hours)**

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 & Engineers I (PHYS 2114).

**PHYS 2313 Introduction to Atomic & Nuclear Physics (3 credit hours)**

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.

**PHYS 3113 Astronomical Basis of Life on Earth (3 credit hours)**

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 "life zone" 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).

**PHYS 3173 Waves and Optics (3 credit hours)**

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 & Engineers II (PHYS 2214) and Calculus III (MATH 3164).

**PHYS 3191-3 Selected Topics in Physics (1-3 credit hours)**

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 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-Gordan 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 Pastoral Ministry.

**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 visioning, programming, and implementation.

**PRTH 3163 Formation Ministries of the Local Church (3 credit hours)**

This course is an introductory course in the foundations, principles, and practices of the worship, Christian education, and service ministries of the local church. A comprehensive investigation will be made into the foundational structures upon which these key local church ministries are supported. The thorough examination will include an extensive look into the Biblical, theological, and historical aspects of worship, Christian education, and Christian service ministries along with principles that guide the proper administration of these ministries within the local church.

**PRTH 3223 Survey of Worship (3 credit hours)**

See C M 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 (3 credit hours)**

This course is an introductory course that explores contemporary psychology as a science, as a profession, and as a means for promoting human wellness.

**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 (PSY 1113) 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 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 Developmental Psychology Across the Lifespan (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 2352-3 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 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 (PSY 1113) 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, 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 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 (PSY 1113) or permission of instructor.
- PSY 4113 Psychology of Religion (3 credit hours)**  
This course takes an interpersonal approach to the study of religious experience, thought, and behavior. The course is primarily concerned with the psychology of traditional Christian experiences, beliefs, and action, but also explores the diversity of world religions and their respective psychological and cultural elements. Death and existentialism, fundamentalism, human nature, human evolution models of "integration", and human sexuality are some of the primary themes that will be explored. The relationship between religious life and traditional virtues will be examined and issues related to contemporary discourse and psychotherapy 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 (PSY 1113) 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.

**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 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 (SOCIOLOGY)

- 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 3003 Special Studies in Sociology (3 credit hours)**  
General Studies Elective course in special topics. **Prerequisite:** Introduction to Sociology (SOC 1113)
- 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 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)

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- SOC 3183 Special Topics in Criminal Justice (3 credit hours)**  
Elective seminar in Criminal Justice.
- 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, conversion, organizational structure, denominational growth and decline, secularization, the evangelical and fundamentalist movements, civil religion, prophecies, and televangelism.
- 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 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 3553 Medical Sociology (3 credit hours)**  
An introduction to the field of Medical Sociology, including both social epidemiology and an examination of medicine as a social institution. Special attention is paid to introducing sociological concepts covered on the MCAT. **Prerequisite:** Introduction to Sociology (SOC 1113)
- 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 4163 Punishment in the United States**  
Punishment has always been a part of the fabric of American society. The purpose of this course is to study the nature, functions (and dysfunctions) and causes of punishment with in the United States. We examine the interrelationships between penal control, corrections and other means of punishment and the role of race, poverty, the media, corporations, and state agents in shaping all of them.
- SOC 4183 Cultural Anthropology (3 credit hours)**  
A study of the beliefs, practices, and major institutions of selected groups around the world, with attention to how the physical and social environment has helped shape the history and culture. The impact of cross-cultural contact, planned change and missionary effort are considered.
- 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 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)**

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.

**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 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 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 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 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 3231-3 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 3462 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 4191 Cultural/Communication Studies Colloquium (1 credit hour)**  
See ENGL 4191
- 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**  
This course examines interpersonal communication and the factors that influence its effectiveness in both professional and personal relationships.

## 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 3053 **Foundations of Christian Belief (3 credit hours)**

A study of the doctrines, traditions, and foundations which inform Christian belief. Emphasis will be placed either on Philosophical Theology, Classic Theology, or Contemporary Culture. **Prerequisite:** Christian Faith and Life (THEO 1513); Old Testament Literature and Life (B LT 2013) OR New Testament Literature and Life (B LT 2023).

### 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)**

A THEOLOGY & MINISTRY SCHOOL CORE REQUIREMENT. An introduction to the development of contemporary New Testament Theology. Theological issues and insights related specifically to the New Testament are developed.

### 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 B LT 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), 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.

# Chapter 10

## Academic Personnel

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).

### IN THIS CHAPTER

**PRESIDENT'S SENIOR LEADERSHIP TEAM**

**FACULTY**

**DIRECTORS AND ADMINISTRATIVE STAFF**

**EMERITI FACULTY**

## PRESIDENT'S SENIOR LEADERSHIP TEAM

---

**Keith Newman, Ed.D., University President (2017)**

B.A., Houston Baptist University  
M.M., Southern Nazarene University  
Ed.D., Spalding University

**Melany Kyzer, J.D., University Provost (2001)**

B.S., Bethany Nazarene College  
M.A., Southern Nazarene University  
J.D., Oklahoma City University

**Michael Redwine, Ed. D., Vice President for Student Development & Enrollment Services (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 Business and Finance (2008)**

B.A., Anderson University  
M.A., Ball State University  
Ed.D., The University of Kansas

**Terry Toler, Ed.D., Vice President for Church Relations (2000)**

A.A., Ohio Christian University  
B.A., Southern Nazarene University  
M.Min., Southern Nazarene University  
Ed.D., University of Sarasota

## FACULTY

---

**Daniel R. Abrego, M.M., Assistant Professor, School of Music (Fall 2015)**

B.M.E., Southern Nazarene University  
M.M., University of Texas at Arlington

**Joshua M. Achipa, M.S.L.S., Associate 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

**W. Davis Berryman, Ph.D., Professor, College of Professional and Graduate Studies (Fall 2002)**

B.S., Washington University  
M.S., Case Western Reserve University  
M.B.A., Kent State University  
Ph.D., Michigan State University

**Steve Betts, Ph.D., Professor/Dean, College of Humanities and Education (2001-2011 & Fall 2015)**

B.A., MidAmerica Nazarene University  
M.M., Wichita State University  
Ph.D., The University of Oklahoma

**Jody L. Bowie, M.A., Assistant Professor, School of Education** (Fall 2016)

B.S., Southern Nazarene University  
 M.A., Southern Nazarene University  
 Graduate Study, Oklahoma State University

**Michelle Bowie, M.A., Assistant Professor, Department of English** (Spring 2011)

B.A., Southern Nazarene University  
 M.A., Southern Nazarene University  
 Graduate Study, Oklahoma State 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

**Lauren Brand, Ph.D., Assistant Professor, Department of History, Politics & Geography** (Fall 2017)

B.A., Southern Nazarene University  
 M.A., Rice University  
 Ph.D., Rice University

**Julie Brant, M.A., Assistant Professor, School of Education** (Fall 2015)

B.S., Southern Nazarene University  
 M.A., Southern Nazarene University  
 Graduate Study, Northwest Nazarene University

**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, School 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

**Janice R. Carr, R.N., D.N.P., Associate Professor, School of Nursing** (Fall 2013)

B.S.N., University of Oklahoma Health Sciences Center  
 M.S.N., Oklahoma Baptist University  
 M.Ed., University of Central Oklahoma  
 D.N.P., Chatham University

**Stephoni Case, Ed.D., Associate Professor, School of Education** (Spring 2014)

B.A., Southern Nazarene University  
 M.A., Southern Nazarene University  
 Ed.D., Oklahoma State University

**Casey J. Cassidy, R.N., M.S.N., Assistant Professor, School of Nursing** (Fall 2013)

B.S.N., East Central University  
 M.S.N., Oklahoma Baptist University  
 Graduate Study, Oklahoma City 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., Professor/Chair, Department of History, Politics and Law**

(Fall 2006)

B.S., Southern Nazarene University

B.A., Southern Nazarene University

M.A., University of Oklahoma

Ph.D., University of Oklahoma

**Jason L. Coles, M.S., Assistant Professor, School of Kinesiology** (Fall 2015)

B.S., Sterling College

M.S., Ohio University

A.T.C., Certified Athletic Trainer

Graduate Study, Nova Southeastern University

**Julian R. Cowart, Ph.D., Associate Professor, School of Professional Studies** (Fall 2016)

B.S., Trevecca Nazarene University

M.A., The George Washington University

Ph.D., Capella University

**Lisa Crow, Ph.D., Associate Professor/Chair, Department of Chemistry** (Spring 2008)

B.A., Greenville College

M.S., University of Oklahoma

Ph.D., University of Oklahoma

**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

**Tamara Dawson, Ed.D., Associate Professor, School of Professional Studies** (Fall 2013)

B.S., Southern Nazarene University

M.S., Southern Nazarene University

Ed.D., Northcentral University

**Scott Drabenstot, Ph.D., Assistant Professor, Dept. of Psychology and Counseling** (Fall 2013)

B.S., Southern Nazarene University

M.S., Southern Nazarene University

Ph.D., University of Oklahoma

**Nathan Drake, Ph.D., Associate Professor, Department of Math**

B.A., MidAmerica Nazarene University

M.S., Clemson University

Ph.D., Clemson University

**Phyllis Eagle, B.A., Associate Professional Specialist, Department of Art & Design** (Fall 2016)

B.A., University of Central Oklahoma

**Mike Eskew, M.S.N., Assistant Professor, School of Nursing** (Fall 2016)

B.S.N., University of Oklahoma

M.S.N., Duke University

Graduate Study, Duke University

**Brent Eskridge, Ph.D., Professor, Chair, Department of Computer Science/Network Engineering**, (Fall 2004)

B.S., Southern Nazarene University

M.S., University of Oklahoma

Ph.D., University of Oklahoma

**Jim Fitzgerald, Ph.D., Associate Professor/Chair, School of Theology and Ministry** (Fall 2017)

B.A., Olivet Nazarene University  
 M.Div., Nazarene Theological Seminary  
 Ph.D., Vanderbilt University

**Douglas D. Forsberg, M.A., Associate Professor, School of Theology and Ministry** (Fall 2003)

B.S., Southern Nazarene University  
 B.A., Bartlesville Wesleyan College  
 M.Div., Nazarene Theological Seminary  
 M.A., Oklahoma State University

**Caio Franca, Ph.D., Assistant Professor, Department of Biology** (2017)

B.S., Federal University of Rio Grande Do Norte  
 B.S., Biology, Oklahoma Baptist University  
 Ph.D., University of Oklahoma

**J. Rendall Garrett, M.S.A., CPA, Assistant Professor, School of Business** (Fall 1976)

B.S., Bethany Nazarene College  
 M.S.A., Oklahoma City University  
 Certified Public Accountant

**Anne A. Ghost Bear, Ed.D., Professor, School of Professional Studies, Tulsa Center** (Fall 2002)

B.S., East Central University  
 M.S., Oklahoma State University  
 Ed.D., Oklahoma State University

**Sylvia Goodman, Ed.D., Professor/Chair, School of Kinesiology** (Fall 2001)

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

**Jim Graves, D.M.A., Associate Professor, School of Music** (Fall 2008)

B.M.E., Boise State University  
 M.M., University of North Texas  
 D.M.A., University of Oklahoma

**Stephen G. Green, D.Min., Professor/W. N. King Professorship, School of Theology and Ministry** (Fall 1998)

B.S., Bethany Nazarene College  
 M.Div., Nazarene Theological Seminary  
 D.Min., Vanderbilt University  
 Advanced Graduate Study, Fuller Theological Seminary

**Jeffrey Griffiths, Ph.D., Associate Professor/Chair, 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

**Anna R. Harper, Ph.D., Assistant Professor, Dept. of Psychology and Counseling** (Fall 2015)

B.S., Mount Vernon Nazarene University  
 M.A., Bowling Green State University  
 Ph.D., Bowling Green State University

**Loral McDonald Henck, M.A., Associate Professor, Center for Student Success (Fall 2000)**

B.S., Bethany Nazarene College  
M.A., Northeastern State University  
Reading Specialist Certification, Northeastern State University  
Graduate Study, Oklahoma State University

**Mary Hibbert, Ph.D., Professor/Chair, School of Nursing (Fall 1995)**

B.S., Pittsburg State University  
M.S.N., University of Kansas  
Graduate Study, University of Kansas  
Ph.D., Texas Woman's University

**David Hoekman, Ph.D., Assistant Professor, Department of Biology (Fall 2014)**

B.S., Wheaton College  
Ph.D., University of Notre Dame

**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

**Kirk A. Jackson, D.B.A., Assistant Professor, MBA/MSM Graduate Program (Fall 2015)**

B.S., Southern Nazarene University  
M.B.A., University of Oklahoma  
Ph.D., Anderson University

**Kristin Jasper, C.P.A., M.B.A., Vice-Provost, College of Professional and Graduate Studies and Business**

M.B.A., Southern Nazarene University  
B.S., Southern Nazarene University

**Harlan Johnson, Ph.D., Associate Professor, School of Kinesiology (Fall 2014)**

B.S., Bacone College  
M.Ed., East Central University  
Ph.D., Northcentral University

**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., Associate 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.L.I.S., Assistant Professor, Library Director (Spring 2012)**

B.S., Southern Nazarene University  
M.L.L.S., The University of Oklahoma

**Laura Koch, M.B.A., Associate Professional Specialist, Faculty Resources Center (Fall 2017)**

B.S., Oklahoma State University  
M.B.A., University of Central Oklahoma  
Certified Online Instructor, Online Learning Consortium  
Certified Quality Matters Peer Reviewer

**Brent A. LaVigne, M.S., Assistant Professor/Chair, School of Business** (Spring 2014)

B.S., Southern Nazarene University  
 M.S.M., Mount Vernon Nazarene University  
 Graduate Study, Oklahoma State University

**Wesley Lee, M.S., C.B.A., Associate Professor, Center for Student Success** (Fall 2008)

B.S., Southern Nazarene University  
 M.S., Southern Nazarene University  
 C.B.A., Certified Behavior Analyst  
 Graduate Study, Northcentral University

**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

**Bobby Gene Martin, M.A., Assistant Professor/Athletic Director** (Fall 1979)

B.S., Bethany Nazarene College  
 M.A., Central State University

**Loren McElroy, D.P.T., Assistant Professor, School of Kinesiology** (Fall 2016)

B.S., Southern Nazarene University  
 D.P.T., Northwestern 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.

**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

**Mark Murray, B.S., Associate Professional Specialist, Department of Computer Science/Network Engineering**, (Fall 2014)

B.A., Southern Nazarene University  
 B.S., Southern Nazarene University

**A. Koshy Muthalaly, Ph.D., Professor, School of Professional Studies** (Fall 1999)

B.A. HONS., Bangalore University, India  
 B.D. (M.Div.), 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., Instructor, 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

**Joanne L. Peterson, Ph.D., Assistant Professor, Department of Biology (Spring 2014)**

B.A., University of Central Oklahoma  
B.S. Ed., University of Central Oklahoma  
M.S., University of Central Oklahoma  
Ph.D., University of Oklahoma Health Sciences Center

**Bryan Powell, Ph.D., Assistant Professor, School of Music (Fall 2014)**

B.S., Southern Nazarene University  
M.M., University of Oklahoma  
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

**Anthony D. Rodin, Ph.D., Assistant Professor, Dept. of History, Politics and Geography (Fall 2015)**

B.A., Whitworth University  
M.A., Purdue University  
Ph.D., Purdue University

**Kenneth Rosfeld, B.A., Associate Professional Specialist, School of Music (Fall 2005)**

B.A., Southern Nazarene University

**Kim Rosfeld, Ph.D., Assistant Professor, McNair Grants (Fall 2014)**

B.M.E., Southern Nazarene University  
M.M., University of Oklahoma  
Northcentral University

**Eileen M. Ruger, M.R.E., Assistant Professor, School of Theology and Ministry (Fall 2013)**

B.S., Southern Nazarene University  
M.R.E., Nazarene Theological Seminary  
Graduate Study, Assembly of God Theological Seminary

**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

**Kent Shellenberger, Ed.D., Assistant Professor, School of Education (Fall 2017)**

B.S., Southern Nazarene University  
M.A., Southern Nazarene University  
Ed.D., Oklahoma State University

**Stephane Shellenberger, M.A., Assistant Professor, School of Kinesiology (1977-1985; Fall 1992)**

B.S., Bethany Nazarene College  
M.A., Central State University

**Christie L. Smith, M.Ed., Assistant Professor, Faculty Resource Center (Fall 2017)**

B.B.A., Sam Houston State University  
M.Ed., University of Houston  
Graduate Study, Abilene Christian 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, 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

**Sheila J. Stout, M.A., M.A.F.T., Associate Professor/Division of Cultural and Communications, Chair, Department of Speech Communications** (Fall 1999)

B.A., Southern Nazarene University  
 M.A., Southern Nazarene University  
 M.A.F.T., Southern Nazarene University  
 Graduate Study, Oklahoma State University

**J. Timothy Taylor, Ed.D., Professor/Chair, 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

**Dennis Williams, Ph.D., Professor/Vice-Provost & 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 Health 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, Department of Sociology** (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

**Nicholas Zoller, Ph.D., Associate Professor/Chair, Department of Mathematics** (Fall 2009)

B.A., Messiah College  
M.S., Lehigh University  
Ph.D., Lehigh University

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## DIRECTORS AND ADMINISTRATIVE STAFF

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### ***Academic Support Programs and Centers***

Academic Grants—Dr. Gwen Ladd Hackler, Director  
Academic Services—Prof. Wesley Lee, Director  
Center for Global Engagement—Prof. Eileen Ruger, Director  
Center for Student Success—Misty Jagers, Associate Dean  
General Education—Dr. Heather Clemmer, Director  
Honors Program—Dr. Gina Weaver Yount, Director  
L.I.F.E.—Prof. Loral Henck, Director  
Library—Kathryn King, Director  
Ministry Internship Program—Dr. Doug Samples, Director  
Morningstar—Dr. Tom Herskowitz, Director  
Faculty Resource Center—Christie Smith, Director  
Ronald E. McNair Postbaccalaureate Scholars Program—Dr. Kim Rosfeld, Director  
Teacher Education—Dr. Tim Taylor, Director  
Testing Services—Lorraine Wright, Director

### ***Professional Studies Program Directors***

Business Administration—Dr. Tamara Dawson  
Family Studies and Gerontology, General Education, Prior Learning Assessment—Dr. Delilah Joiner  
Professional Studies Department Chair, Organizational Leadership—Dr. Cathy Hutchings-Wedel,  
Assessment and Faculty Development—Dr. Julian Cowart  
SNU-Tulsa—Dr. Anne GhostBear  
Network Management—Prof. Mark Murray

## EMERITI/RETIRED FACULTY

W. Joy Beaver, Ed.D., Dir., School for Children/Professor of Education Emerita (1959-60, 1967-2005)  
 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)  
 Hal Cauthron, Ph.D., Professor of Theo/Min Emeritus (1995-2017)  
 Howard R. Culbertson, D.Min., Professor of Missions Emeritus (1988-2013)  
 Lou Dennard, Ed.D., Professor of Business Emerita (1976-1982; 1991-1997; 2008-2017)  
 Beverly DeVries, Ed.D., Professor of Education Emerita (1993-2016)  
 Don Dunnington, D.Min., Professor of Theology & Ministry Emeritus (1991-2017)  
 Mary Eskridge, Ed.D., Professor of Education Emerita (1996-2015)  
 Chloe R. Findley, M.A., M.S., R.N., Retired Associate Professor of Nursing Emerita (1991-1998)  
 Leo R. Finkenbinder, Ph.D., Professor of Biology Emeritus (1968-2003)  
 Beatrice E. Flinner, M.L.Sc., M.A., M.A., Associate Professor of Library Science Emerita (1968-1996)  
 Richard W. Gaddis, Ed.D., Professor of Management Emeritus (1992-2004)  
 Daisy Goulden, M.S., R.N., Assistant Professor of Nursing Emerita (1981-1996)  
 Loren Gresham, Ph.D., Professor of Political Science Emeritus and President Emeritus (1969-2017)  
 Vera M. Hance, Ph.D., Retired Associate Professor of Psychology Emerita (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)  
 Robert John Lively, Ph.D., Professor of History, Politics & Geography Emeritus (1980-2015)  
 Sue Anne Lively, Ed.D., Professor of Professional Studies Emerita (1980-2016)  
 Larry Mills, Ph.D., Professor of Business Emeritus (1969-2016)  
 Linda Miner, Ph.D., Professor of Professional Studies Emerita (1990-2014)  
 Philip A. Moore, D.M.A., Professor of Music Emeritus (1981-2014)  
 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)  
 Peggy Poteet, Ph.D., Professor of English Emerita (1973-1978; 1988-2016)  
 Mark Reighard, D.M.A., Professor of Music Emeritus (1969-2017)  
 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)  
 Wanda M. Rhodes, P.E.D., Professor of Health and Human Performance Emerita (1962-1994)  
 Gwen Rodgers, M.S., Assistant Professor of Online Learning Emerita (2007-2015)  
 Dorothy A. Stasser, Ed.D., Professor of Psychology Emerita (1967-2013)  
 Jimmie D. Tabers, M.S., Associate Professor of Computer Science Emeritus (1980-2014)  
 Jirair Tashjian, Ph.D., Professor of New Testament Emeritus (1983-2008)  
 Rex Tullis, Ed.D., Professor of Education Emeritus (1995-2014)  
 Virgil Lee Turner, Ph.D., Professor of Mathematics Emeritus (1978-2016)  
 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)  
 Linda Patterson Wilcox, Ph.D., Professor of Sociology Emerita (1993-2013)  
 Sharon Young, Ph.D., Professor of Biology Emerita (1968-2008)

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