



NORTHWEST NAZARENE
UNIVERSITY

College of Arts and Sciences Catalog

2014 - 2015

College of Arts and Sciences Catalog 2014-2015

Northwest Nazarene University
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The University

History

A desire to educate their children led the founders of Northwest Nazarene University, under the leadership of Eugene Emerson, to organize an elementary school in 1913. In the ensuing two years both high school and college courses were added to the curriculum. Thus began Northwest Nazarene University, now a fully-accredited, co-educational, Christian, comprehensive university of the arts, humanities, sciences, and professions.

In 1915, the first student was graduated from high school, and a year later Dr. H. Orton Wiley was elected President. The first college degrees were conferred upon a class of four graduates in 1917.

Academic progress has been notable, including accreditation as a junior college in 1931 and as a four-year college in 1937. Master's programs were added in the early seventies. The name of the institution was changed from Northwest Nazarene College to Northwest Nazarene University in 1999.

Northwest Nazarene University presently offers 42 undergraduate majors, eight master's degrees and one doctoral degree. In addition to its programs on its home campus, NNU students may study in cooperative programs in 35 countries around the world. Northwest Nazarene University serves approximately 1,300 undergraduate students, 750 graduate students, and 5,700 continuing education students each year.

Campus

The main campus of the university is located in Nampa, Idaho, which is in the Boise metropolitan area. Situated in the rich, fertile Treasure Valley, the university's location provides many rural and urban advantages, including a 2,500 foot altitude which provides a mild year-round climate. People are discovering and enjoying Idaho, the Gem State, with its easily accessible skiing, hiking, hunting and fishing areas. The campus, with its 34 buildings, covers 90 acres and has been carefully planned for maximum use and development. In addition to our main campus in the southern part of Nampa, NNU also offers courses in Twin Falls, McCall, and Boise Idaho, and Colorado Springs, Colorado. NNU also offers a variety of undergraduate and graduate programs in on-line formats that reach around the globe.

Students

NNU attracts students from all over the United States and many foreign countries. Students from all denominations and faiths are welcome to study at NNU. The university especially invites applications from international students and members of racial and ethnic minorities.

Accreditation and Affiliations

Northwest Nazarene University offers bachelor's and master's degrees in a range of content areas. NNU is accredited by the Northwest Commission on Colleges and Universities, a regional accrediting body recognized by the Council for Higher Education Accreditation. In addition to regional university accreditation, the following departments are accredited by nationally-recognized specialized accrediting boards:

- The Education Department is accredited by the National Council for the Accreditation of Teacher Education.
- The Counseling Department is accredited by the Council for Accreditation of Counseling and Related Educational Programs.
- The Music program is accredited by the National Association of Schools of Music.
- The Business programs are accredited by the Association of Collegiate Business Schools and Programs.
- The Social Work Department is accredited by the Council on Social Work Education.
- The Nursing Department is accredited by the Commission on Collegiate Nursing Education.
- The Concurrent Credit Program is accredited by the National Alliance Concurrent Enrollment Programs.

In addition, the university is a member of the American Association of Colleges for Teacher Education, The Association of Governing Boards, and the Council for Christian Colleges and Universities.

Northwest Nazarene University's graduate theological online educational program has associate membership in The Association of Theological Schools (ATS). The pastoral ministry core of the Master of Divinity and the Master of Arts: Pastoral Ministry program are both recognized by the Church of the Nazarene's International Course of Study Advisory Committee (ICOSAC) as validated courses of study meeting the educational requirements for ordination in the denomination.

Mission, Identity, Foundation

Mission

The mission of Northwest Nazarene University is the transformation of the whole person. Centered in Jesus Christ, the NNU education instills habits of heart, soul, mind and strength to enable each student to become God's creative and redemptive agent in the world.

Identity

Northwest Nazarene University is a Christian university of the liberal arts, professional and graduate studies. The University is grounded in the Wesleyan-Holiness tradition and is an educational expression of the Northwest region of the Church of the Nazarene.

Foundation

Northwest Nazarene University is founded upon belief in and relationship with the One Triune God, Father, Son and Holy Spirit. Therefore, we seek to build our lives and the practices of the University upon the Kingdom of God as revealed in Jesus.

Values

Transformation

We believe education fosters transformation. NNU engages and affects all domains of life: intellectual, social, physical and spiritual; thereby advancing the transformation of the individual, the church and the world.

Truth

We believe education pursues truth. NNU explores knowledge, the wonder of God's creative activity, the story of human civilization and the achievements in the arts, sciences and professions. Ultimately, we believe Jesus is the truth incarnate; therefore, we pursue Christ.

Community

We believe education flourishes in community. NNU provides a learning and faith community that teaches, challenges and encourages each other through intellectual and spiritual practices. Within covenantal relationships we express our love for God and others.

Service

We believe education cultivates service. NNU teaches the importance of a life of servanthood as modeled by Jesus Christ. We learn to lead by giving of ourselves to God and humankind.

*Approved by the Board of Trustees
March 11, 2010*

Statement of Faith

Northwest Nazarene University, theologically, emphasizes the theistic view of God and human beings as interpreted in the Wesleyan-Arminian tradition. We deem belief in the following brief statements to be sufficient.

We believe:

In one God--the Father, Son, and Holy Spirit.

That the Old and New Testament Scriptures, given by plenary inspiration, contain all truth necessary to faith and Christian living.

That human beings are born with a fallen nature, and are, therefore, inclined to evil, and that continually.

That the finally impenitent are hopelessly and eternally lost.

That the atonement through Jesus Christ is for the whole human race; and that whosoever repents and believes on the Lord Jesus Christ is justified and regenerated and saved from the dominion of sin.

That believers are to be sanctified wholly, subsequent to regeneration, through faith in the Lord Jesus Christ.

That the Holy Spirit bears witness to the new birth, and also to the entire sanctification of believers.

That our Lord will return, the dead will be raised, and the final judgment will take place.

(Manual, Church of the Nazarene 2009-2013)

Philosophy of Education

NNU is committed to providing its undergraduate students with an acquaintance with the major fields of knowledge through a study in the liberal arts, an effective foundation in and a working grasp of one field in a selected major, and a balanced development of the wholly-educated person within the context of Christian commitment. Based on its philosophy of education and the university values, NNU has grouped the general education outcomes into four categories.

General Education Outcomes

I. Christian Formation

- Students will understand the Bible as a collection of ancient texts gathered as a canonical library for the Church, and will develop and employ appropriate exegetical skills and methods in order to interpret the Bible responsibly and transformationally.
- Students will understand major doctrinal developments and emphases (including the creeds) within the historic theological traditions of Christendom, and articulate distinctive characteristics of Wesleyan theology and its contributions to broader conversations within Christian theology.
- Students will understand and value the role of thoughtful biblical/theological reflection within the Wesleyan theological context and will develop and employ enhanced skills that critically integrate aspects of biblical interpretation and Christian theology to explore contemporary issues.
- Students will construct and critically evaluate philosophical, theological, and ethical arguments using both formal and informal logic. Students will then apply principles of formal and informal logic and historical sensitivity to understanding their own faith commitments.

II. Humanities

- Students will be able to make informed decisions and choices regarding visual, musical, and literary art based on the historical, political, and socio-cultural contexts in which they emerged.
- Students will be able to demonstrate the ability to effectively solve real-world problems through the use of diverse ways of knowing, philosophical arguments, and discipline-specific knowledge within the humanities.
- Students will interact and communicate openly with individuals from diverse backgrounds while observing, contrasting, comparing, and understanding different worldviews and ways of knowing.
- Students will acquire the knowledge and develop the skills necessary to engage in a life-long appreciation of the humanities that will continue outside the classroom and after graduation.

III. Sciences

- Students will be able to comprehend and to apply the basic principles of science and methods of scientific inquiry.
- Students will have developed a deeper understanding of the relation of self to world through investigation of the influence of social, cultural, economic, and political institutions in shaping human thought, value, and behavior.
- Students will have an awareness of human health, including stewardship of their own body.

IV. Intellectual and Practical Skills

- Students will be able to effectively use the English language, writing and speaking with clarity, coherence, and persuasiveness.
- Students will be able to think critically, independently, and creatively so that they can make informed and logical judgments of the arguments of others, arrive at reasoned and meaningful arguments and positions, and formulate and apply ideas to new contexts.
- Students will be able to comprehend and to use quantitative concepts and methods to interpret and to critically evaluate data and to effectively problem-solve in a variety of contexts demanding quantitative literacy.
- Students will be able to locate, access, analyze, and utilize information that facilitates learning and critical inquiry and to adhere to the standards of academic honesty in their use of that information.

Academic Services

NNU Academic Services provide support for the entire academic community. They include:

Center for Academic Success and Advising (CASA)

Academic Advising

CASA directs the academic advising and scheduling of all first year students, in consultation with major advisers and the Registrar's Office. CASA endeavors to enhance the educational experience of each student through assistance in understanding the major selection process, and first semester course selection. Student progress is monitored each semester, and the CASA faculty and staff coach students encountering difficulties. Additional information is located here. (<http://www.nnu.edu/academics/academic-advising/>)

Academic Success

The Center for Academic Success and Advising (CASA) supports the entire undergraduate academic program by providing students with the writing consultations, subject area peer tutoring, academic coaching, and Supplemental Instruction for select courses. These services are available to all NNU students free of charge. Additional information is located here. (<http://www.nnu.edu/academics/academic-support-center/>)

In addition, CASA offers courses for credit: University Success, Computer Applications, Reading Strategies, Mathematics Strategies, English Strategies, and Major and Career Explorations. For a detailed description of these courses, see "Course Descriptions" listed under Study Skills (STSK).

Disability Services

It is the policy of Northwest Nazarene University (NNU) that no qualified persons with disabilities shall, on the basis of disability, be excluded from participation in, denied the benefits of, or otherwise be subjected to discrimination under any of its programs or activities. Any qualified student who has a physical or mental impairment which substantially limits one or more of major life activities, such as walking, seeing, hearing, speaking, breathing, learning and/or working, can receive assistance at NNU as provided in Section 504 of the Rehabilitation Act of 1973, and the applicable provisions of the Americans with Disabilities Act of 1990. The Director of CASA (disabilityservices@nnu.edu or 208-467-8463) serves as the campus contact for disability related needs. Additional information is located here. (<http://www.nnu.edu/academics/academic-advising/disability-services/>)

Testing

The Testing Office supports the educational mission of NNU by providing high quality testing services in accordance with the National College Testing Association Professional Standards and Guidelines and governmental regulations. The services provided for students, faculty, staff, community members, and business partners will be consistently rendered with an attitude of service that demonstrates value for relationships, personal excellence, diversity, and commitment to lifelong learning. Tests/services include: Proctoring for distance learning courses; residual ACT testing; and CAAP, CLEP, DSST, and COMPASS testing. Additional information is located here. (<http://www.nnu.edu/academics/academic-advising/testing/>)

Library

John E. Riley Library

Vital to the educational and intellectual life of the university, the John E. Riley Library contains almost 125,000 printed books, 90,000 electronic books and currently receives thousands of electronic periodicals. The library also has approximately 60,000 volumes in collections of microforms, non-print materials, and state and federal government documents, for which the library is a selective depository. Additionally, a special collection of works by or about John Wesley is maintained.

The library's web page is www.nnu.edu/library. It provides links to the library's online catalog which is shared with College of Idaho, various indexes and databases many of which include full-text materials, and to other libraries. Through participation in OCLC Inc., an international library network, the library has access to more than 2 Billion additional books and other materials from libraries around the world.

In addition to the shared system with College of Idaho, a reciprocal borrowing agreement with Boise State University allows students to check out a limited number of items from this library.

Key to the library's mission is its staff, which provides friendly, professional service. Librarians, staff, and student assistants are available to make use of the library more effective and meaningful. Library services include interlibrary loans, instruction, and individual research assistance.

The library provides individual and group study areas and has wireless access for laptops and access to campus networked computers.

The University Archives contain items pertaining to the history of the University. Use of the Archives is by appointment only.

Registrar

The Office of the Registrar is responsible for maintaining, storing, and distributing all academic records and petitions. Statistical data for institutional, regional, and national reports and surveys are generated. All data concerning the university catalog and the Course Schedule Bulletin are sent to the Office of the Registrar for verification and organization. By providing accurate and timely data and having a thorough understanding of academic policy, the Office of the Registrar exists to serve and to educate faculty, staff, administrators, and students of the academic policies and procedures of NNU in order to empower them to accomplish their goals and complete assigned tasks.

Technology and Media Resources

TMR is located in the Leah Peterson Learning Commons. Hours are found on the help.nnu.edu website. Services include but are not limited to:

- Computer Support
- Printer Support
- Classroom Technology Support (projectors, smartboards, dvd players)
- Phone Support
- Sending and receiving faxes
- Purchase of print credit
- Laminating
- Poster/Photo printing

TMR provides technical support to students and employees of NNU. More information on TMR services and hours can be found on help.nnu.edu. Contact TMR by visiting help.nnu.edu and submitting a request or calling (208)467-8111.

TMR Print Shop

The TMR Print Shop is located on the lower floor of Emerson, in room 13. A variety of specialty printing services are provided to students and employees of NNU. Services include:

- Business cards
- Name plates
- Booklets
- Bulk print jobs

Above are just a few of the services provided. Please call (208)467-8533 or stop by between 8AM-5PM Monday - Thursday.

Wesley Center For Applied Theology

The Office of Applied Theology in the Wesley Center enriches and extends the mission of Northwest Nazarene University. Enrichment is fulfilled through the scholarly study of the essential ideals and methods of Wesleyan-Holiness theology. Extension is encouraged through the growth and development of the church, and the application of the essential ideals and methods in personal and social contexts. The Office facilitates:

1. Programs that promote scholarly study, research, understanding and appreciation of the Wesleyan tradition and its applications to academic disciplines, campus sectors, churches, and social structures;
2. The dissemination of information and resources for church leaders via the Wesley website (wesley.nnu.edu) and through an annual conference held on campus that assists church leaders in being equipped to lead Christian discipleship efforts that are necessary for healthy church growth.

Admission and Financial Aid

Admission

Northwest Nazarene University maintains a policy of equal educational opportunity for all students without regard to sex, race, color, religion, national or ethnic origin, age, or physical and documented learning disabilities, and in administration of its educational and admissions policies, financial affairs, employment programs, student life, and services, or any other university-administered programs.

Northwest Nazarene University offers reasonable accommodations to special-needs students. Inquiries about accommodations for students with disabilities should be directed to the Office of Academic Advising. The student must provide proper documentation before accommodations can be put into place. Any documentation provided is held in the strictest confidence and is used solely for the student's benefit.

Preparation

Northwest Nazarene University does not require specific high school courses for admission, however, courses from the following academic disciplines will be used to compute the academic core grade point average (GPA). This GPA will be used for advising purposes. The following courses and the indicated recommended number of years provide an excellent preparation for college work.

English (not including speech, drama, journalism)	4 years
Mathematics	3 years *
Science	3 years
History/Social Sciences	3 years
Foreign Language	2 years

*Students planning to select majors in chemistry, engineering, mathematics, or physics will benefit from four years of mathematics.

How to Apply

1. E-mail the Office of Admissions at admissions@nnu.edu, or call 877-NNU-4YOU, for information and an application packet, or apply online at www.nnu.edu/apply.
2. Complete the application for admission and return it with the \$25 application fee to the Office of Admissions, NNU, 623 S. University Blvd., Nampa, ID 83686.
3. Request transcripts for all high school, college, and university work to be sent directly to the Office of Admissions.
4. Complete all additional forms included in the application packet and return them to the Office of Admissions as soon as possible.

Application Deadlines

Those applying for admission or readmission to NNU must submit all application materials by the following dates:

1. August 15 for fall semester enrollment.
2. December 15 for spring semester enrollment.

New Freshmen

Take the ACT or SAT. All new students are required to take either the ACT or the SAT before they can be granted admission to NNU. The optional ACT writing test is not required. It is the University's preference that the tests be taken in the junior year or early in the senior year of high school. They may be taken more than once, if the student desires. Students may apply for admission before taking the tests.

Transfer Students

Request that official transcripts from all colleges and universities previously attended be sent to the Office of Admissions. Transfer student admission is generally granted to applicants who:

1. Have completed 28 college or university semester credits.
2. Have a cumulative GPA of at least 2.0; and are in good academic standing at their previous institution. (Students below the required GPA may be accepted provisionally at the discretion of the Admissions Committee).

Failure to report all college and university work attempted could result in denial or revocation of admission. Transfer students may request a Transfer Brochure to assist them in the transfer process.

Federal financial aid regulations require that students transferring to NNU who have not successfully completed at least a two-year program (that is acceptable for full credit toward a bachelor's degree) need to self-certify that they have graduated from high school or have passed the GED in order for NNU to determine eligibility for federal funds.

International Students

Students from countries outside the United States for whom English is not their native language are required to submit an official TOEFL or IELTS score. Students must receive a minimum score of 79 on the TOEFL (IBT), with a minimum of 20 on each subsection, or an IELTS score of 6.0 or greater to be admitted to the university.

Students with a TOEFL IBT score of 78 or below, or an IELTS score of 5.5 or below may be admitted into NNU's English Language Institute (ELI).

Transition from the ELI program to the traditional undergraduate program may occur in one of three ways:

1. Earning a score of 79 or above on the TOEFL, or an IELTS score of 6.0 or greater.

2. Completion of two semesters of the ELI program with a cumulative GPA of 2.5 or above.
3. After completing one semester of ELI at NNU, a student may petition to move into the traditional undergraduate program. The ELI committee will review samples of the student's written work in English and conduct an interview with the student. The committee will then determine whether to grant the student's petition.

Renewal of Application

Students who previously applied for admission to NNU but did not enroll should request and complete a renewal application form to reactivate their file. The Renewal Application is available online at www.nnu.edu/apply.

Readmission

Any person who interrupts his or her education at Northwest Nazarene University after having once been admitted, whether by withdrawal during a semester or failure to register for a semester, must apply for readmission and be approved before resuming attendance. Failure to register for a summer semester is not considered an interruption. An application for readmission is available online at www.nnu.edu/apply or upon request from the Office of Admissions. Please see application deadline dates above.

If the student has registered at any other college or university since attending Northwest Nazarene University, a transcript from those institutions must be sent to the Office of Admissions.

Admission Categories

The Admission Committee must review the application of any student applying for admission, who is under 17 years of age. Additional information may be requested.

Standard Admission

Standard Admission may be granted to students who have submitted all required materials and meet at least two of the following criteria:

1. Graduation from a high school with a grade point average of 2.5 (or above) on a 4.0 scale.
2. A rank in the top 50 percent of the high school graduating class.
3. An ACT composite standard score of 18 or above, or a combined score of 1270 on the SAT.

Submission of false information could result in denial or revocation of admission.

Exceptions may be made for students who have been out of high school four or more years or who have completed high school outside of the United States.

Provisional Admission

Persons who do not meet the requirements for standard admission will be considered for provisional admission. If admitted, students may be registered in a restricted program if they fall under one of the following categories:

1. Graduates of senior high schools with less than the required grade point average(s) and students transferring from accredited colleges with less than the required grade point average or students with less than the minimum required ACT or SAT score.
2. Persons taking the Tests of General Educational Development (GED) in lieu of high school graduation. In order to be eligible, persons must meet the following requirements:
 1. a minimum Standard Score Average of 450 and a minimum Standard Score on the Writing Skills Test of 450,
 2. an ACT composite standard score of 18 or above, or an SAT combined score of 1270 or above.

Provisional admission is normally granted for one semester and will be reviewed at the end of the student's first semester of enrollment. Failure to meet any of the above criteria may result in denial of acceptance to NNU. Students admitted on Provisional Status will be placed in a cohort that is designed to help the student strengthen skills needed for success in college academics. Courses taken by the cohort include HUMN 1010 Cornerstone, ENGL 0900 Improvement of Language Usage (unless the ACT English score was 20 or above), MATH 0900 Essential Mathematics (unless the ACT math score was 21 or above), and STSK 1210 University Success. A GPA of at least 1.75 for freshmen must be earned in these courses in order to continue on in good academic standing for second semester, and a 2.0 for sophomores and above. If a student fails to meet these standards, a support system is automatically implemented.

Admission as a Home-Schooled Student

Northwest Nazarene University welcomes applications from students who have been home-schooled. Home-schooled students seeking admission to NNU are required to submit similar documentation to that required of any other NNU freshman applicant. Documents required include ACT or SAT scores and a high school transcript with all subjects and grades taken by the student.

1. If the home-schooled student has taken any courses through a high school, correspondence school, college or other educational organization, then the school or organization should provide NNU with an official transcript.
2. If the home-schooled student's education is based upon a parent and student designed curriculum, then the parent as the primary instructor should provide the University with the official high school transcript.
3. Home-schooled students who have earned a General Educational Development (GED) certificate should submit the GED certificate.

Admission to Express Education Program

Students enrolled in high school and home-schooled students may register for a maximum of 4 credits in the university through the Express Education Program. High school students should contact their counseling office to determine if their high school participates. Home Schooled students should contact the Concurrent Credit Program Office directly. Express Education status will only be granted with the support of the high school and parents. Express Education students must be at least 16 years of age.

Any student enrolled in high school may register at NNU for approved courses, whether or not their high school chooses to participate in the Express Education Program. Refer to "Special Programs and Study Opportunities" section of this Catalog for more information about Express Education.

Admission to Concurrent Credit Program

Students enrolled in their local high school may register for Concurrent Credit Program (CCP) courses offered through NNU. All information concerning enrollment, courses, and policies is available at the local high school, or through the CCP office at NNU. Additional information may be found at www.nnu.edu/academics/high-school-programs/concurrent-credit.

Admission for Students Who Have Been Charged With or Convicted of a Felony

Applicants for admission to NNU who have been convicted of a felony or who have felony charges pending against them may be denied admission or may be admitted upon special review and approval of the Admissions Committee at its sole discretion. Applicants who are in a correctional facility or have recently been in a correctional facility are required to allow a minimum of one year to elapse between the time of release and the time of enrollment at NNU.

Admission to Temporary Non-Degree Students

An unclassified non-degree seeking student may be admitted to classes with Temporary Non-Degree status provided he/she gives evidence of the requisite ability to participate in the class. To apply for Temporary Non-Degree status, a student must enroll for less than 12 semester credits, not be working on a degree at NNU, and not be applying for federal financial aid. All such students will be expected to do the same work required of regularly classified students, unless he/she has been permitted to take the course on a noncredit basis.

Admission to The Professional Nursing Program

Admission to the Professional Nursing Program is based on successful completion of established criteria listed on the departmental website. Pre-nursing students must submit an online application during the Spring semester of the freshman year located at www.nnu.edu/nursing.

Admission to Teacher Education

Admission to the Teacher Education Program is granted to students who meet selection and retention criteria. In addition to standard admission requirements, students must apply for and receive admission to the Professional Program in Teacher Education.

Enrollment

Preparation

In preparation for enrollment, a prospective student must:

1. Show proof of high school graduation, or proof of the completion of an equivalent course of study.
2. Have an official, final high school and/or college transcript, or an equivalent document on file at NNU that lists all academic work to date.
3. Submit all required fees and forms as requested to insure that a space can be retained in the incoming class (see Deposits and Fees).
4. Active participation in and acceptance of class scheduling. Schedules are prepared by the Office of Academic Advising.
5. Completion and return of all Student Development forms for housing, health care, and related student life issues.

Registration

Registration dates are found on the official college calendar published in this catalog and online. All students are expected to be present and complete registration on the days scheduled for this purpose.

Instructions for registration will be furnished at the time of registration. Students are not enrolled in courses until all registration materials are completed and approved by advisors and/or other authorized persons. Satisfactory financial arrangements must be completed and approved in the Business Office.

Expenses and Financial Aid

Expenses

Student charges are set by the Board of Trustees based on the projected costs of operation. In addition to revenue from student charges, a major supplement to the cost of the student's education comes from donations made by Churches of the Nazarene, businesses and other individual sources. The actual costs of operation are affected by some factors over which the institution has little or no control. The amounts quoted in this catalog and its supplements are subject to change after appropriate notice.

Charges

Tuition, fees, room and board charges are increased annually by the approximate amount of increases in the cost of living, plus a reasonable amount for specific planned improvements in the educational opportunities to be provided during the year. **Some courses, such as private lessons, require a fee for specialized instruction, transportation, equipment, and/or supplies.**

Payment

Payment and/or satisfactory financial arrangement of the balance due on a student's account must be completed by August 12, 2014, for fall semester, and January 2, 2015, for spring semester. In determining the balance due, financial aid awarded for the semester will be deducted from the total semester charges. A late payment fee of \$100 will be assessed if payment and/or satisfactory financial arrangement has not been completed by August 26, 2014, for fall semester and January 13, 2015, for spring semester. Official transcripts of student course work are granted only after the student's account is paid in full. Continued enrollment will be available after the prior semester's balance is paid in full or satisfactory arrangements have been made with the Business Office.

Many NNU students choose to participate in an annual payment plan. For information on the payment plan, please contact the Business Office for details. Enrollment in a payment plan is to be completed by August 26, 2014, for fall semester and January 2, 2015 for spring semester.

Advanced Deposits and Fees

A New Student Advanced Tuition Deposit of \$250 is to be paid by all new students by May 15 for students applying for fall semester and by October 15 for students applying for spring semester. Receipt of the deposit is required before the student is allowed to begin registration and receive housing arrangements. Advanced work toward program scheduling cannot be done until the advanced deposit is received. Refunds shall be made according to the following schedule:

Date of Cancellation for fall semester	Amount of Refund
By June 15	Full Refund
By June 16 and thereafter	No Refund
Date of Cancellation for spring semester	Amount of Refund
By November 15	Full Refund
By November 16 and thereafter	No Refund

Books and Supplies typically average about \$550 per semester and are available for purchase in the university bookstore.

Refund of Charges for Students Who Withdraw

All students withdrawing from NNU must complete the "Request for Withdrawal from School" form available from the Office of Academic Advising.

Exceptions to the refund schedule listed below will be considered for cases of medical or other hardship on a case-by-case basis upon request of the student and submission of appropriate documentation.

Tuition, Fees, Room and Board: Students who withdraw from school prior to or on the last day to add courses for the semester shall receive a refund of 100% of tuition and fees charged. Students withdrawing after the last day to add courses for the semester shall receive a prorated refund of tuition and fees for the first 60% of the semester. Room and board charges for the semester are refunded on a prorated basis. The withdrawal date is defined as the earlier of: (1) the date that the student began the withdrawal process or officially notified NNU of intent to withdraw, or (2) for those students who leave school without notifying an appropriate NNU official, (a) the midpoint of the semester, or (b) the last day of documented academic-related activity. The Director of Academic Advising determines the official date of withdrawal.

Refund Distribution: Students who withdraw from NNU during a semester and have received federal financial aid shall be reviewed for federal financial aid eligibility at the time of withdrawal. When a refund to federal programs is required, the following refund distribution will be used:

1. Unsubsidized Federal Direct Loan
2. Subsidized Federal Direct Loan
3. Federal Perkins Loan
4. Federal PLUS Loan
5. Federal Pell Grant
6. Federal Supplemental Educational Opportunity Grant (FSEOG)
7. Leveraging Education Assistance Partnership Grants (LEAP)
8. Other Title IV Aid Programs
9. Other Federal Sources of Aid
10. Other State, Private or Institutional Aid
11. Parents or other third party, and then the Student

Refunds to NNU's institutional aid programs are based on the tuition and fees withdrawal rate; i.e., if one-half tuition and fees are refunded, one-half of any institutional aid will be refunded to institutional programs. Note: additional policies may apply to refund of NNU institutional aid.

Student Financial Aid

In an effort to assist students in their pursuit of a comprehensive Christian education, NNU is committed to providing scholarships, grants, state and federal funds (Title IV aid) to eligible students.

The awarding of financial assistance to students is primarily for the purpose of:

1. Recognition of achievements
2. Assisting students in acquiring a college education at NNU
3. Recruiting and retaining students

The University believes that the following objectives are consistent with this philosophy:

1. Rewarding students for excellence in academic performance
2. Rewarding students for achievements that may be other than academic
3. Aiding students for whom the pursuit of a college education is an unusual financial hardship

Application for Admission and Financial Aid is a combined process for traditional undergraduate students at NNU. Priority for aid awards (scholarships, grants, loans, etc.) from federally funded and other programs will be given to students who have submitted a completed application (the NNU Application for Admission and Financial Aid and the Free Application for Federal Student Aid--FAFSA) to NNU by March 1st for the following fall's admission. Students must apply for aid from NNU and from federal sources every year. The following information will explain this process in more detail. All institutional scholarships and grants are considered when determining a student's minimum financial aid award offer.

Demonstration of Need - Northwest Nazarene University uses the Free Application for Federal Student Aid (FAFSA) to determine a student's eligibility for federal aid. Colleges use the Expected Family Contribution (EFC) from the FAFSA as an index to determine need for aid eligibility. Colleges determine the amount of need by taking the school's cost of attendance and subtracting the EFC, which results in need.

Students should submit a copy of the FAFSA via the web, indicating that Northwest Nazarene University should receive this information by selecting NNU from the dropdown menu. The FAFSA can be completed at www.fafsa.gov and should be filed as early as possible after January 1st each year for the following school year. Tax information can be estimated if need be on the FAFSA, but this information should be updated on the FAFSA once tax documents are submitted to the IRS.

Payment of Financial Aid: Financial aid is disbursed to traditional undergraduate students by crediting half of the year's total award to the student's account each semester. If a student is only enrolled for one semester, other regulations may apply.

Requirements for Financial Aid: To receive any financial assistance, students must maintain satisfactory academic progress toward a degree. The Standard of Satisfactory Academic Progress for Financial Aid is available through the Office of Financial Aid or it can be found here.

In order to receive federal aid funds, a student cannot be in violation of academic progress standards, nor can they be in default or delinquent on a previous federal student loan, or have outstanding loans equal to the Federal lifetime limit for borrowing.

NNU Scholarships

All first-time traditional freshmen at NNU are automatically considered for all scholarships that they may be eligible to receive by completing the NNU Application for Admission and Financial Aid.

NNU Matching Scholarships

NNU offers matches to some awards for eligible students who fit specific criteria as detailed below.

Trustee Matching Scholarship: A full-time student whose local church awards funds for his or her use in paying University costs will be eligible to receive matching funds. The match is based on the first \$350 received from the church during the 2014-2015 academic year. This applies to Nazarene and non-Nazarene churches. NNU will match a church award for two semesters each school year, until work is completed on the first bachelor's degree for a traditional full-time undergraduate student. Students below a 2.0 cumulative GPA are not eligible for a full match and will only be matched on a one-to-one basis. For on-region Nazarene churches who have paid their education budget in full, a 7:1 match will be awarded. Partial education budgets paid, and off-region Nazarene church awards will receive a 4:1 match. Non-Nazarene church awards will be matched at a 1:1 ratio.

NYI Awards: NYI and Regional Main Event scholarships are awards given to students in recognition of excellence in various areas of talent as well as quizzing competitions within the district (NYI) and/or Region (Main Event) each year. NYI awards can be won at a local or national (Q or NYC) level.

The student should present a copy of each award to the NNU Office of Financial Aid so that the scholarship(s) can be included as part of the students overall financial aid offer. Students must be accepted for admission and be full-time undergraduate, degree seeking, currently enrolled students at NNU in order to receive these awards. Any other conditions for use appear on the certificate.

The NYI and NYC/Q scholarships contain specific directions for the student to follow in order to request that the NYI portion of the funds be sent to NNU (this usually requires a written request from the student to someone within the NYI organization). Once these funds are received, NNU will match these scholarships on a 1:1 basis (up to \$500 per academic year). Regional Main Event scholarships are awarded at face value.

Tuition Scholarships

Nazarene and CCCU Tuition Remission: Dependents of full-time faculty and first-line administrators at U.S. and Canadian Nazarene colleges/universities or Nazarene Theological Seminary and CCCU schools can apply for up to a full tuition allowance (the number of allowances given is limited, contact the Office of Financial Aid for details). The requirements as described by the General Church Department of Education, CCCU and/or NNU are in force for this allowance. Applicants must provide a signed Tuition Remission Recommendation Form from the institution where the parent is employed. Dependency status is defined in the same manner as the IRS/tax definition when being considered for this award.

Professional: Those eligible for this allowance include full-time, unmarried traditional undergraduate dependent students, whose parent or guardian's primary income is based on being

a career missionary, senior pastor, chaplain, pastoral staff, District Superintendent, or Assistant District Superintendent serving the Northwest Educational Region (or outside of any other Nazarene education region). Dependency status is defined in the same manner as the FAFSA definition when being considered for this award.

Grad-Back Tuition: A 50 percent reduction in the per credit cost of tuition is available for students taking traditional undergraduate courses who have completed a baccalaureate degree at Northwest Nazarene University.

Senior Citizens: Students who are sixty years of age and older may enroll for non-credit courses at no charge. Those who take course work for credit will receive a 50 percent reduction in the per credit cost of tuition.

Scholarship Requirements and Restrictions

All scholarship recipients are to be enrolled full-time, have a minimum cumulative grade point average of 2.00 (or higher, if so indicated by the scholarship criteria), and meet any other eligibility requirements detailed in the criteria of the scholarship. Scholarships based on per credit cost for post-baccalaureate and senior citizens are not subject to these requirements. Traditional undergraduate students in their last semester may also receive some scholarships if they are attending at least half-time (6 credits).

The University reserves the right to cancel or alter these scholarships in the case of misconduct or in the case of any conduct which, in the judgment of the University, makes it necessary.

Federal Grants

The United States Government, through the Department of Education, has made funds available for several Federal grant programs.

Federal Supplemental Educational Opportunity Grant (FSEOG): FSEOG awards are funds made available and allocated to students with the lowest Expected Family Contribution (EFC) who also qualify for a Federal Pell Grant. The Federal Pell Grant is solely determined by the EFC on the FAFSA and the Federal Government's Pell amounts.

Federal Pell Grant: All undergraduate students are urged to apply for the Federal Pell Grant. As mentioned above, eligibility is determined by completing the Free Application for Federal Student Aid (FAFSA). The FAFSA can be submitted online at www.fafsa.gov. Once submitted, the student can find information at this same website in the form of a Student Aid Report (SAR) which indicates eligibility for this grant.

Federal Loans

The Federal Perkins and Federal Direct Subsidized Student loans are awarded on the basis of financial need as determined by the FAFSA and have no interest accruing while the student is enrolled in school.

Federal Perkins Loans: These loans are given to students with demonstrated financial need (based on the FAFSA), typically in areas of study that qualify for cancellation of this loan and those who submitted their FAFSA information by March 1st. The rate of interest during the repayment period is 5%. The University is responsible for collection of these loans. Repayment begins 9 months after graduation or discontinuance of at least half-time enrollment. The Federal Perkins Loan has provisions for cancellation and deferment.

Federal Direct Subsidized Student Loans: These are low-interest, fixed interest rate federal loans borrowed through the federal government. A Subsidized loan means that the government pays the interest on your loan while you are in school, in your grace period, or in deferment. A student must complete a FAFSA and a Master Promissory Note (MPN) at www.studentloans.gov to apply for this loan. Other steps such as Federal Verification may be necessary to be eligible. Students who have not borrowed, have a \$0 balance, or haven't borrowed for ten or more years must also complete entrance counseling at this website. For continuing students who have completed an MPN in a prior year, loans can be accepted through the student portal. Repayment begins 6 months after graduation or discontinuance of at least half-time, degree-seeking enrollment. If any of these take place, a student should complete exit counseling at www.studentloans.gov to better understand repayment and their options.

Federal Direct Unsubsidized Student Loans: Students who do not qualify or only qualify for part of the Subsidized Loan based on need, are eligible for the Unsubsidized Loan; the difference being that the government does not pay the interest on this loan while the student is in school. Payments of principle and interest may be deferred while enrolled at least half-time as a degree-seeking student. Repayment begins 6 months after graduation or discontinuance of at least half-time, degree-seeking enrollment.

Other Sources of Financial Aid

The Bureau of Indian Affairs: The U.S. Department of Interior provides grants, loans, and summer work to American Indian students to enable them to continue their education. Students must demonstrate high scholastic ability and need financial assistance. More information and eligibility requirements may be determined by contacting the area director or agency office having a record of tribal membership.

Vocational Rehabilitation: Assistance is available to residents of many states who have a disability that is a barrier to employment. Further information may be obtained by contacting the nearest State Vocational Rehabilitation Office.

Dependent's Educational Assistance Program: This program provides educational opportunities for many children of veterans who died or were permanently and totally disabled in or as a result of service in the Armed Forces of the United States. Widows and wives may also qualify if the veteran husband is deceased or permanently and totally disabled from service-connected causes. For latest benefit figures and further information on additional programs, contact the nearest local or regional Veterans Administration Office or visit www.gibill.va.gov.

Post 9/11 and Yellow Ribbon Benefits: This program provides educational opportunities for many veterans, spouses, and children of veterans who served in the Armed Forces of the United States after 9/11. For latest benefit figures and further information on additional programs, contact the nearest local or regional Veterans Administration Office or visit www.gibill.va.gov.

Army Reserve Officer Training Corps (ROTC): Students attending NNU are eligible to apply for Army ROTC two, three and four-year scholarships. These scholarships pay for tuition, textbooks, laboratory fees, and other purely academic expenses for each year that the scholarship is received.

Part-Time Employment

Campus Employment: Part-time employment is available to students on campus in the areas of food service, library, custodial, instructional and other various campus personnel positions and departments. A number of these positions of employment are funded in part by Federal College Work-Study program funds. The average workload consists of ten hours per week. The work study award at the time of application does not guarantee a job; it simply indicates eligibility for funds. To view current openings contact the Career Center or go to www.nnu.edu/career.

America Reads: The America Reads program makes funds available to institutions of Higher Education in order to pay University students to tutor elementary students in reading. NNU works with several schools in the community, assisting with their reading programs. The student must be eligible for Federal College Work Study funds to participate in this program. Eligibility is determined by an Office of Financial Aid review of the completed FAFSA information, cost of attendance and other aid and is communicated to the students in their award letter. NNU pays the student on a monthly basis at the same time other NNU students are paid for work completed on campus.

Community Employment: Numerous students secure their own arrangements for off-campus employment in the community; however, students may receive placement help from the University for community employment by contacting the Career Center.

Off-Campus Study Opportunities

Financial aid may be available to students studying in an off-campus study program (not an NNU program) that has been approved through the Off-Campus Study office. Students must be in at least their second year of full-time enrollment at NNU, and must return to NNU in the semester following Fall or Spring semester (unless it was their final semester).

Students remain eligible for any federal and state aid for which they otherwise would have eligibility. For university financial aid, the student is eligible to receive one half of what they otherwise would receive, up to a limit of \$5,000. A student can only receive university aid for one single semester in an off-campus study program.

Student Rights and Responsibilities

As recipients of Federal student aid, students have certain rights and responsibilities. NNU believes that knowing what these rights and responsibilities are will put students in a better position to make decisions about their educational goals and the best means to achieve them.

Student Rights

All students have the right to know:

1. The cost of attending a particular school and what the school's policy is on refunds to students who withdraw.
2. What financial assistance is available including information on all federal, state, local, private, and institutional financial aid programs.
3. Who the school's financial aid personnel are, where they are located, and how to contact them for information.
4. What the procedure and deadlines are for submitting applications for each available financial aid program.
5. How the school selects financial aid recipients.
6. How the school determines financial need.
7. How much of their financial need, as determined by the school, has been met.
8. How and when financial aid will be received.
9. The interest rate on Federal student loans, the total amount that must be repaid, length of the re-payment period, when the payment begins, and what cancellation or deferment provisions apply.
10. If students are offered a Federal College Work-Study job, what kind of job it is, what hours they must work, what their duties will be, what the rate of pay will be, and how and when they will be paid.
11. The school's policy in reconsidering a student's aid package if they believe a mistake has been made, or if their enrollment or financial circumstances have changed.
12. How the school determines whether students are making satisfactory academic progress and what happens if they are not.

Student Responsibilities

All students must:

1. Pay special attention to the application for Federal student aid, complete it accurately, and submit it on time to the processor. Errors may delay or prevent a student from receiving aid.
2. Know and comply with all deadlines for applying or re-applying for aid.
3. Provide all documentation, corrections, and/or new information requested by the Office of Financial Aid.
4. Notify the University of any information that has changed since applying for financial aid.
5. Read, understand, and keep copies of signed documents.
6. Repay any student loans. When a promissory note is signed, it is an agreement to repay the loan.
7. Complete entrance counseling (incoming students) and exit counseling (outgoing students) online if the student has a Federal Perkins Loan or Federal Direct Student Loan.
8. Notify the University of a change in name, address, or attendance status. If a student has a Federal Direct Student Loan, they must also notify the servicer of their loan of these changes.
9. Satisfactorily perform the work agreed upon in a Federal College Work Study job.

Fee Page

Total shown is demonstrating the total costs for a typical undergraduate student. For more information please refer to the cost breakdown information. If you have any questions or need any assistance, please do not hesitate to contact us at businessoffice@nnu.edu.

Student Fees	Cost Per Semester	Cost Per Year
Undergraduate: 12 credits or more	\$200	\$400
Undergraduate: 6-11 credits	\$150	\$300
Undergraduate: less than 6 credits	\$ 50	\$100

Special Fees

Contingency deposit (a one-time refundable deposit)	\$ 50
Late payment and/or registration fee	\$100
Non-credit fee per course credit (audit)	\$ 50
Undergraduate graduation fee	\$ 50
Return check fee	\$ 25

Please note: Some courses have an activity/usage fee. Check course schedule for details.

Senior Citizens

Senior citizens, 60 or older, may enroll in classes for non-credit at no charge on a space available basis.

Classes taken for credit: \$565 per semester credit.

Statement of Charges

Students will receive a statement prior to the beginning of each semester. This document indicates the amount of financial aid awarded and the invoice for each semester's estimated charges and credits, and is the statement from which the balance due is determined. Changes in the student's course load may result in an increase or decrease in financial aid. When adding or dropping classes, students should contact their Financial Aid Officer to determine if any of their financial aid will be affected.

Students are reminded that lenders may deduct a processing fee from their Direct Student loans, Direct Plus loans, and Alaska Student Loan applications. Questions concerning your financial aid should be directed to (208) 467-8638, 1-877-668-4968, or financialaid@nnu.edu.

It is the student's responsibility to ensure that information regarding payment of amounts due is communicated to the person who will be paying the account.

Collection charges

When a student is no longer enrolled at NNU and a balance remains on his/her account, the student is responsible for paying the University's cost of collection. This includes, but is not limited to, collection agency fees and/or reasonable attorney's fees.

Undergraduate Tuition

	Cost Per Semester	Cost Per Year
12-18 Undergraduate Semester Credits	\$ 13,470	\$ 26,940
Less than 12 semester credits		\$1164 per credit
More than 18 semester credits		\$315 per credit
Post-Baccalaureate/NNU Graduate		\$582 per credit
Post-Baccalaureate/non-NNU Graduate		\$1164 per credit

Annual costs for a typical undergraduate student

	Cost Per Semester:	Cost Per Year:
Tuition	\$13,470	\$26,940
Fees	\$ 200	\$ 400
Room and Board	\$ 3,200	\$ 6,400
Total	\$16,870	\$33,740

Board and Room

Room cost is for a single student in a shared dorm room. A private room (when available) is an additional \$250 per semester. Room charge includes furniture and utilities. Room assignments are made by the Office of Student Development (208) 467-8643.

	Cost Per Semester	Cost Per Year
Silver Meal Plan and Single Student in Shared Dorm Room	\$ 3,200	\$ 6,400

This meal plan offers students unlimited entries/meals per day and week. Student also has \$50 Flex dollars per semester to use at Amity Perk.

Alternative meal plans are available to certain students. Information on these alternative meal plans is available from the Office of Student Development.

Graduate & Adult Studies Tuition

For information regarding the graduate or adult studies tuition costs, please contact businessoffice@nnu.edu. For general inquiries, please refer to the contact information below.

Graduate Tuition:

Contact the following Graduate Studies Offices for Tuition Rates:

Office:	Phone Number:
Business	(208) 467-8123
Counseling	(208) 467-8345
Education	(208) 467-8341
Nursing	(208) 467-8642
Reading	(208) 467-8366
Religion	(208) 467-8368
Social Work	(208) 467-8679

Adult Studies:

Contact the following Adult Studies Offices for Tuition Rates:

Office:	Phone Number:
Business	(208) 467-8123
Christian Ministries	(208) 467-8046
Education	(208) 467-8258
General Education	(208) 467-8495

Undergraduate Degree Requirements

Northwest Nazarene University offers two degrees, the Bachelor of Arts and the Bachelor of Science. Majors are offered in 42 major fields of study. To qualify for a bachelor's degree at NNU, the student must satisfy the eight (8) requirements described below. Faculty and staff members at the university advise students concerning progress toward graduation. However, the student is responsible for meeting all graduation requirements.

In order for a student to graduate under the requirements of the Catalog in use at the time he/she matriculated, the student must complete a bachelor's degree within seven (7) years. Otherwise, the student must use the most recent catalog.

1. **Total Credits.** The student must complete a minimum of 124 semester credits.
2. **Upper-Division Credits.** The student must complete at least 32 semester credits in courses numbered above 2999.
3. **Quality of Grades.** Either grades must average C (2.000) or better; or all grades C (2.000) or better must be earned in 124 semester credits which meet the basic skills, general, and major requirements. A grade of C- (1.700) or better must be earned in all courses which apply toward the major. Some majors have higher GPA requirements. See individual program descriptions for details.
4. **Residence.** Each student must spend a minimum of one year, full-time standing, in residence. If only one year is spent at NNU, it must be the senior year and must include a minimum of 8 semester credits in the major.
5. **General Education Program.** The student must complete the program of General Education as described below.
6. **Major Field of Study.** In addition to the various areas of scholarship represented in the general education group requirements, a baccalaureate degree requires a more detailed acquaintance with the advanced materials and methods of a particular field. In this field of concentration the student is expected to attain an elementary degree of mastery and a background for further reading and study, formal or informal. In many cases this major study has professional or vocational value. A listing of the major fields of study may be found at the end of this chapter.
7. **Comprehensive Exam.** The Collegiate Assessment of Academic Proficiency (CAAP) is an assessment of student knowledge taken during the junior or senior year. The CAAP test scores are compared to the freshman ACT scores. This comparative study, organized by and administered under the direction of the American College Testing Program, is aimed at assisting colleges and universities in efforts to improve general education and helping students to persist to graduation with the knowledge and skills important to functioning effectively in society.
8. **Application for Graduation.** Candidates for a degree must submit an application and have the application approved by the administrator(s) of the program.

The General Education Program

According to the Mission Statement, Northwest Nazarene University offers an undergraduate curriculum that "is designed to instill a habit of mind that enables each student to become God's creative and redemptive agent in today's world." This curriculum provides both depth (the student's major field of study) and breadth (the General Education Program) to nurture our students' highest intellectual, physical, and spiritual development.

The General Education Program is the foundation of all undergraduate education at Northwest Nazarene University. It purposely expresses through curriculum the mission of the university as a Christian liberal arts institution in the Wesleyan heritage. The objective of the General Education Program is to provide a common experience for the personal and intellectual growth of each student. Students are brought into contact with the great persons, ideas, movements, human culture and the Christian faith. The curriculum is intellectually challenging and designed to set the tone for all courses at the university.

Standard General Education Requirements at a Glance (52 credits)

When planning a schedule, students should carefully review the detailed requirements following this summary.

Christian Formation	12 Credits	Cr.
BIBL1100	Intro to Biblical Studies	3
THEO2100	Intro to Christian Theology	3
BIBL/THEO	Approved UD Bib Lit or Theology Elective	3
PHIL	Approved Philosophy Elective	3
Humanities	16 Credits	
HUMN1010	Cornerstone	3
ENGL	Approved Literature Elective	3
ARDE/MUSC	Approved Art History or Music History Elective	3
HIST	Approved U.S. History Elective	3
HIST	Approved non-U.S. History Elective	3
HUMN4010	Capstone	1
Sciences	15 Credits	
KINE1000	Fundamentals of Wellness	1
KINE	Approved Kinesiology Activity Elective	1
Natural Science	Approved Natural Science Lecture Elective	3
Natural Science	Approved Natural Science Lab Elective	1
Social Science	Approved Social Science Elective	3
Additional Electives	Electives from two of the following areas to equal 6 credits	6
	Mathematics	
	Natural Science	
	Social Science	
Intellectual and Practical Skills	9 Credits	
ENGL1030	University Writing and Research	3
ENGL3015	Topics in Writing and Literature (or a course with a W designation)	3
COMM1210	Intro to Public Speaking	3
Math Proficiency	Satisfactory score on the mathematics portion of the ACT, SAT, or COMPASS	0
Cross Cultural Requirement	Completion of Cross Cultural Experience(s), Intercultural Lab, and Reflection Paper	0

To complete the General Education Program at Northwest Nazarene University, the student must take 51 semester credits of courses distributed in five categories. The categories with the number of credits required in each are:

I. Christian Formation (12 credits)

BIBL1100. Introduction to Biblical Studies (3)

To be completed during the first 3 semesters of residence. Must be completed with a grade of C- or higher.

THEO2100. Introduction to Christian Theology (3)

To be completed by end of the fifth semester of residence. Must be completed with a grade of C- or higher.

Upper-division Bible Literature or Theology (3)

BIBL, THEO prefixed 3 credit courses. *Two credit BIBL, THEO courses do not satisfy this requirement.*

Students transferring to Northwest Nazarene University as juniors (60 credits) must complete 6 semester credits in biblical and theological studies which will include THEO2100 and a BIBL elective. Students transferring as seniors (90 credits) must complete only THEO2100.

Philosophy Elective (3)

Select one course from:

- PHIL2010. Introduction of Philosophy (3)
- PHIL2020. Ethics (3)
- PHIL3010. History of Ancient and Medieval Philosophy (3)
- PHIL3080. Critical Reasoning (3)
- PHIL3520. Philosophy of Science (3)
- PHIL3600. Clinical Ethics (3)

II. Humanities (16 credits)

HUMN1010. Cornerstone (3)

To be completed the first semester in residence, must be completed with a grade of C- or higher.

Literature Elective (3)

Select one course from:

- ENGL2210. American Literature: Colonial Period to the Civil War (3)
- ENGL2220. American Literature: Civil War to the Present (3)
- ENGL2310. British Literature: Beowulf through the Age of Reason (3)
- ENGL2320. British Literature: The Romantic Age to the Present (3)
- ENGL2410. Major Literature of the Western World (3)
- ENGL2420. World Literature: The Ancient World to the Renaissance (3)
- ENGL2430. World Literature: The Enlightenment to the Modern Era (3)
- ENGL3210. Major Authors in American Literature (3)
- ENGL3250. The American Novel (3)
- ENGL3310. Major Authors in British Literature (3)
- ENGL3320. Shakespeare (3)
- ENGL3350. The British Novel (3)
- ENGL3410. Greek and Roman Classics (3)
- ENGL3420. Foreign Literature in Translation (3)

ENGL3510. Twentieth Century Poetry (3)
ENGL3520. Twentieth Century Drama (3)
ENGL3740. Children's Literature (3)
ENGL4270. Minority Voices in American Literature (3)
ENGL4340. Major Romantics and Victorians (3)
ENGL4350. British Poetry Before 1700 (3)

Art History/Music History Elective (3)

Select one course from:

ARDE1010. A Survey of Art and Music (3)
ARDE3250. Art History 1 (3)
ARDE3340. Design History (3)
ARDE3750. Art History 2 (3)
ARDE4250. Contemporary Art History (3)
MUSC1010. A Survey of Art and Music (3)
MUSC3260. Music History: Medieval, Renaissance and Baroque (3)
MUSC3270. Music History: Classic, Romantic and Modern (3)

History Electives (one U. S. and one non-U. S.) (6)

Select one U.S. history course from:

HIST2030. Conflict and Consensus: American History to 1877 (3)
HIST2040. Conflict and Consensus: American History from 1877 (3)
HIST3250. History of American Culture (3)
HIST3390. Recent America (3)

Select one non-U.S. history course from:

HIST1030. The World and the West I (3)
HIST1040. The World and the West II (3)
HIST3480. Modern Europe (1800-Present) (3)

Capstone: Completion of one of the following capstone courses approved by the General Education Council (1)

ARDE4950. Engaging Art and Faith (3)
BIOL4970. Pre-Physical Therapy Capstone (1)
BIOL4980. Senior Seminar/Capstone (1)
BSNS4980. Senior Seminar In Business (3)
CHEM4980. Senior Seminar/Capstone (1)
CLST4010. Capstone (1)
COMM4980. Seminar in Communication Studies (1)
COMP4980. Senior Seminar/Capstone (1)
CRIM4010. Capstone (1)
EDUC4950. Seminar/Capstone (1)
ENGL4980. Senior Seminar (1)
ENGR4972. Senior Design Project II/Capstone (2)
HIST4970. Senior Thesis and Capstone (4)
HUMN4010. Capstone (1)
KINE4970. Kinesiology Senior Capstone (1)
MUSC4000. Music Capstone Seminar (1)
NURS4040. Transition to Professional Nursing Practice/Capstone (4)
PHIL4900. Philosophy Capstone (1)
PHYS4980. Senior Seminar/Capstone (1)
POLS4970. Senior Thesis and Capstone (4)
PSYC4010. Capstone (1)
SOGY4010. Capstone (1)

SOWK4981. Senior Field Seminar (1)
SPAN4010. Capstone (1)
THEO4900. Religion Capstone (1)

III. Sciences (15 credits)

KINE1000. Fundamentals of Wellness (1)

KINE1000L. Fundamentals of Wellness Lab (0)

KINE Activity Course (1)

Select one course from:

KINE1020. Heart Healthy Activity
KINE1030. Lifetime Sport Activity
KINE1010. Adapted Physical Education (1)
MILS2500. Military Style Fitness (1)
KINE2640. Kinesiology Majors Activity Laboratory (1)
(This course is only open to kinesiology majors.)

Natural Science Elective to include a laboratory (4)

Select one natural science lecture and corresponding laboratory course.

Natural science (BIOL, CHEM, NSCI, PHYS prefixed courses)

Social Science Elective (3)

Select one social science course (ECON, GEOG, POLS, PSYC, SOGY, or COMM2030)

Additional Science Electives (6)

Select two additional courses from two of the following three areas:

1. Mathematics

A MATH prefixed course numbered 1000 or higher, or one of the following courses approved by the General Education Council.

BSNS2330. Math for Business and Finance (3)

KINE4520. Tests and Measurements in Physical Education (3)

PSYC3640. Experimental Design and Statistical Analysis (3)

2. Natural Science

Natural science (BIOL, CHEM, NSCI, PHYS prefixed courses)

3. Social Science

Social science (ECON, GEOG, POLS, PSYC, SOGY, or COMM2030)

IV. Intellectual and Practical Skills (9 credits)

ENGL1030. University Writing and Research (3)

To be completed by end of first year of residence. Must be completed with a grade of C- or higher.

ENGL3015. Topics in Writing and Literature (3)

or: any ENGL course with a W designation (3)

Must be completed with a grade of C- or higher.

COMM1210. Introduction to Public Speaking (3)

Must be completed with a grade of C- or higher.

Mathematics Proficiency (0)

One of the following minimum test scores. Test scores must have been obtained within the previous five years.

Must be completed by the end of the third semester in residence.

ACT Math Score of 21 or higher
SAT Math Score of 550 or higher
COMPASS Algebra Score of 50 or higher
Completion of an approved college level math course

V. Cross Cultural Requirement (for detailed instructions see www.nnu.edu/culture)

One experience from Tier I; or,
Two experiences from Tier II; or,
One experience from Tier II and two from Tier III; or,
Four experiences from Tier III

Tier I Experiences:

Completion of CLST1001L. Intercultural Lab (no credit) prior to participating in a cross-cultural experience; **and**
Approved travel (e.g., cross-cultural semester abroad, 2 week mission trip); or students who have lived overseas for at least one year after the age of 7; **and**
A ten page paper reflecting on the cross-cultural experience

Tier II Experiences:

Completion of CLST1002L. Intercultural Lab (no credit) prior to participating in a cross cultural experience; **and**
Approved travel (e.g., United States, Canada); **and**
A five page paper reflecting on the cross-cultural experience; **or**
Completion of CLST1002L. Intercultural Lab; **and**
Any of the following approved courses (which includes 10-15 contact hours and a five page paper):

BSNS4600. Global Business Strategies (3)
CHIN2010. Intermediate Chinese (4)
CHIN2020. Intermediate Chinese (4)
CLST1020. Dynamics of Intercultural Dialogue (2)
CLST3960. Cultural Studies Field Experience (1-3)
CRIM4450. Culture and Criminal Justice (3)
EDUC2250. Cultural Diversity in Education (2)
EDUC3310. Teaching English Language Learners (1)
EDUC3410. Content Literacy in Secondary Classrooms (3)
FREN1020. Elementary French (4)
FREN2010. Intermediate French (4)
FREN2020. Intermediate French (4)
NURS4010. Nursing of Diverse Populations in the Community (4)
PRTH2400. Introduction to Christian Missions (3)
PRTH3750. Compassionate Ministries (2)
SOGY2030. Cultural Anthropology I (2)
SOGY3180. Race, Class and Gender (3)
SPAN1020. Elementary Spanish (4)
SPAN2010. Intermediate Spanish (4)
SPAN2020. Intermediate Spanish (4)
SPAN3010. Advanced Conversation and Composition (3)

Tier III Experiences:

Completion of CLST1003L. Intercultural Lab prior to ten hours of approved cross-cultural contact experience; **and**

A five page paper reflecting on the cross-cultural experience; **or**

Completion of CLST1003. Intercultural Lab; **and**

Any of the following approved courses (which includes 5-10 contact hours and a five page paper):

CHIN1010. Elementary Chinese (2)

CHIN1020. Elementary Chinese (2)

CHIN1030. Elementary Chinese (3)

CLST2960. Cultural Studies Practicum (1)

FREN1010. Elementary French (4)

REST3560. World Religions: Asian Traditions (2)

REST3570. World Religions: Western Traditions (2)

SOWK2851. Human Behavior and the Social Environment II (2)

SPAN1010. Elementary Spanish (4)

Additional Note:

Interdisciplinary courses may be offered periodically which will satisfy two general education requirements with one course. Completion of interdisciplinary courses will reduce the number of credits required to satisfy the general education requirements. However, the student must still complete 124 overall credits and 43 upper division credits to satisfy graduation requirements.

Honors College General Education

Students enrolled in the Honors College may use the following courses to fulfill the specified General Education Requirements:

Honors College Course	General Education Requirement(s) Fulfilled
HNRS2550. Western Intellectual Traditions I (3)	HUMN1010. Cornerstone
HNRS2560. Western Intellectual Traditions II (3)	Non-US History Elective Philosophy Elective
HNRS3550. Science and Science Fiction (3)	Natural Science Lecture Elective Literature Elective
HNRS3560. Being Human: Theological and Psychological Reflections (3)	Social Science Elective Upper-Division Theology Elective

*Note: The student will earn 3 credits for each of the above Honors College courses even though the course may fulfill two General Education requirements.

Majors Offered

Northwest Nazarene University offers undergraduate degrees in 42 majors. The degree requirements are given in this catalog in the section describing the sponsoring department. The majors offered are:

Accounting	International Studies
Applied Studies	Liberal Studies
Art	Management
Biblical Studies	Marketing
Biology	Mass Communication
Business Administration	Mathematics
Chemistry	Music
Christian Ministry	Nursing
Communication	Philosophy
Computer Graphic Design	Philosophy and Religion
Computer Information Systems	Physics
Computer Science	Political Science
Criminal Justice	Pre-Physical Therapy
Cultural Studies	Psychology
Elementary Education	Recreation and Sports Management
Engineering	Secondary Education
English	Social Work
Financial Economics	Sociology
Global Business	Spanish
History	Special Education
Intercultural Ministry (Missions)	Youth Ministry

Within many of these majors, various specializations (concentration, emphases, or tracks) or minors are available or are required. Students may find these opportunities listed in the major description sections of this catalog.

Individualized Major: For students whose educational objectives cannot be met by one of the majors given above, the individualized major gives opportunity for students to design a program of study. Each individualized major must be approved by the appropriate curriculum committee. For additional information see the Special Programs chapter.

Minors Offered

An academic minor represents a well-defined set of courses identifying a secondary area of expertise. If a student elects to earn an academic minor, it must consist of a minimum of 15 to a maximum of 28 credits. A minimum of nine credits in the minor may not be duplicated in a major or another minor. Fifty percent of the course credits must be taken at NNU, and fifty percent must be upper-division credits.

Students may declare a minor on a declaration form obtained from the Office of the Registrar. Detailed information concerning specific requirements for each minor can be found in the respective departmental listing in the Catalog. The minors offered are:

Accounting	Marketing
Bible	Mathematics
Biblical Languages	Media Production
Biology	Military Science
Broadcasting	Missions
Business Administration	Music
Chemistry	Parachurch Ministry
Children's Ministry	Pastoral Ministries
Christian Education	Philosophy
Christian Ministry	Photography
Communication	Physics
Computer Science	Political Science
Criminal Justice	Professional Writing
Cultural Studies	Psychology
Drama	Social Welfare
Evangelism	Sociology
Financial Economics	Spanish
Global Business	Studio Art
Graphic Design	Theology
History	Worship and Music Ministry
Literature	Worship Leadership
Management	Youth Ministry

Academic Perspectives

Academic Load

Academic load refers to the total number of semester credits for which the student is registered during any one semester.

Twelve semester credits constitute a full academic load while 16 semester credits constitute an average academic load. Students may enroll for 19 credits without special permission. Students with a cumulative grade point average of 3.40 or above may enroll for 20 or 21 credits through a petition process with the approval of the Registrar.

Academic Petition and Appeal

Academic Petition Policy

A student who wishes to be granted an exception to a general academic policy may file a Special Academic Petition with the university Registrar. The Special Academic Petition is to be used for policies relative to (a) registration deadlines; (b) eligibility for upper-division credit; (c) academic load; (d) transfer credit; (e) university honors; (f) general education requirements; or (g) any other general academic policy.

Action of the Registrar: The Registrar will either grant or deny the petition and will notify the student in writing no later than seven days after receiving the completed Special Academic Petition.

If a student is dissatisfied with the action of the Registrar, the student may appeal the decision in accordance with the Academic Appeals Policy. The *First Appeal to Department Chair or Program Director* must be filed within twenty-one days of the action of the Registrar.

Academic Appeals Policy*

Informal Appeal to Faculty Member. A student who believes that a faculty member has taken an adverse action against the student shall discuss the problem through an informal meeting with the appropriate member of the faculty. Such informal meeting need not be reduced to writing, and does not require a written decision from the faculty member. Any student who believes that the outcome of the informal meeting results in a decision of the faculty member which constitutes an adverse action may initiate a First Appeal by filing a timely notice of appeal with the faculty member's Department Chair or Program Director. Any failure by the student to bring such a first appeal within twenty-one days of the adverse action shall be deemed to be (a) a waiver by the student of any further appeal; and (b) a final action by the University.

First Appeal to Department Chair or Program Director. If a student is dissatisfied with the resolution determined by the faculty member under the Informal Appeal described above, the student may pursue a First Appeal, but only if the student files a Notice of Appeal with the Faculty Member's Department Chair or Program Director within twenty-one days of the adverse action. Any such first appeal shall be determined by the Department Chair or the Program

Director. The Chair or Director shall provide the student notice of a hearing (if any) regarding such First Appeal, and shall issue a written decision regarding such First Appeal within seven days of the Chair's or Director's receipt of the Notice of Appeal or the hearing, whichever is later. Any failure by the student to timely file such a Notice of Appeal shall be deemed to be (a) a waiver of any further appeal; and (b) a final action by the University.

Second Appeal to Academic Unit Dean. If a student is dissatisfied with the decision rendered by the Department Chair or Program Director of the department of the University within which the appeal is taken, the student may pursue a Second Appeal to the Academic Unit Dean, but only if the student files a Notice of Appeal with the Academic Unit Dean within seven days of entry of the written decision of the first appeal. Any such Second Appeal shall be determined by the Academic Unit Dean. The Academic Unit Dean shall provide the student notice of a hearing (if any) regarding such Second Appeal, and, if a hearing occurs, shall issue a written decision regarding such Second Appeal within seven days of such hearing. Any failure by the student to timely file such a Notice of Appeal shall be deemed to be (a) a waiver of any further appeal; and (b) a final action by the University.

Third and Final Appeal. If a student is dissatisfied with the decision rendered by the Unit Dean, the student may pursue a Third and Final Appeal, but only if the student files a Notice of Appeal with the Vice President for Academic Affairs within seven days of entry of the written decision of the Second Appeal. Within seven days of notice of the appeal the VPAA shall inform the Academic Unit Dean of the appeal. The Academic Unit Dean shall appoint an Academic Appeals Committee and appoint a chair. The Third and Final Appeal shall be determined by the Academic Appeals Committee. The chair of the Academic Appeals Committee shall provide the student notice of a hearing (if any) regarding such Third and Final Appeal, and the Academic Appeals Committee shall issue a written decision regarding such Third and Final Appeal within fifteen days of such hearing. Any decision by the Academic Appeals Committee shall constitute the final action of the University regarding the Academic Appeal.

* The entire Academic Appeals Policy including definitions of terms is available in the Office of the Registrar.

Academic Standing

Students are considered in **good academic standing** with the University when their semester and cumulative grade point averages (GPA) are above the University standard. The University standard is 1.75 for first year students and 2.0 for sophomores, juniors, and seniors. Students on **academic warning** are considered in good academic standing. Students on **academic probation** are not in good academic standing with the University.

Provisionally admitted first year students who earn between a 1.0 and 1.75 during their first semester will be placed on academic probation during their second semester. Provisionally admitted first year students who earn below a 1.0 during their first semester will be **academically dismissed** from the University.

All other provisionally admitted students who earn less than a 2.0 GPA during their first semester will be placed on **academic probation** during their second semester.

Fully admitted first year students who earn less than a 1.75 GPA during their first semester will be placed on **academic probation** during the next semester.

Fully admitted first year students who earn less than a 1.75 GPA during their second semester *only*, with a cumulative GPA above 1.75, will be placed on **academic warning** during the next semester.

Fully admitted first year students who earn a cumulative GPA below 1.75 for *two consecutive* semesters will be **academically dismissed** from the University.

Sophomores, juniors, and seniors whose semester GPA falls below 2.0, and whose cumulative GPA is above 2.0 will be placed on **academic warning** *for one semester. Students on academic warning are considered to be in good academic standing.*

Sophomores, juniors, and seniors whose semester GPA falls below 2.0 for two consecutive semesters will be placed on **academic probation**.

Sophomores, juniors, and seniors whose cumulative GPA falls below 2.0 will be placed on **academic probation**.

While on **academic probation**, if a student's semester GPA falls below 2.0, while the student's cumulative GPA is at or above 2.0, the student will be placed on **continued academic probation**. While on **academic probation**, if a student's semester GPA, and cumulative GPA fall below 2.0, the student will be **academically dismissed** from the University.

Academic progress is reviewed by committee following each term (fall, spring, summer). If a student's grades were hindered by unforeseen circumstances, the student may appeal the dismissal through written communication to the **Academic Progress Committee (APC)**. The process of appeal does not guarantee reinstatement.

Students who have been academically dismissed may re-enroll at NNU after providing an official transcript showing a minimum of 12 college-level credits earned with a GPA of at least 2.0 from another accredited college or university. Academic standing is determined solely by the student's NNU cumulative GPA.

NNU summer sessions may be utilized as a means of raising a student's GPA to meet the University's standard for "good academic standing" prior to the beginning of fall semester. The student must submit a written letter of appeal to the APC specifically requesting a postponement in the decision of the APC until the completion of summer session courses. If the postponement is approved, the APC will re-evaluate the student's academic standing after summer session grades have been posted. All summer sessions combine to equal an academic term.

Academic policies only apply to academic standing, and may not be the same as those used to determine eligibility for other areas (i.e., financial aid, NCAA athletics).

Academic Integrity

Northwest Nazarene University seeks to establish academic integrity within the University community. Such integrity is fundamental to the principles of the Judeo-Christian tradition and is consistent with the nature and culture of Northwest Nazarene University. This serves to promote the desired values of truth, transformation, and community by fostering a spirit of honest intellectual inquiry. The University has identified the following unacceptable practices including, but not limited to:

1. Cheating in its various forms, whether copying another student's work, allowing your own to be copied, using unauthorized aids on an examination, having someone else take an exam for you (in class or take-home), submitting as your own another person's work, rescheduling an exam relying on a false excuse;
2. Plagiarizing, e.g. presenting as your own the words or ideas of another person, including inadequate documentation of sources (electronic, Internet, or print) and excessive dependence on the language of sources even when documented, relying on a similar order of sentences while altering a few words or word order;
3. Submitting the same work from a current or previous course or assignment without prior written approval from the current grading professor;
4. Using copyrighted material without appropriate citation or copying software or media files (such as music, movies, etc.) without permission;
5. Checking into class for another student who is tardy or absent;
6. Fabricating data: This includes falsifying or manipulating data to achieve desired results, reporting results for experiments not done (dry labbing), or falsifying citations in research reports;
7. Denying other students access to academic information whether in the classroom, the library (by hiding books, for example), or a computer lab;
8. Destroying, altering, or tampering with another student's work to impede academic progress;
9. Stealing problem solutions from a professor or computer file;
10. Falsely reporting completion of course requirements;
11. Altering, falsifying, or misrepresenting an academic document;
12. Communicating false information whether oral, written, electronic or nonverbal;
13. Forging signatures; and/or
14. Aiding others to violate any of the above practices.

Students who either witness or have knowledge of violations are responsible for informing the instructor or appropriate University personnel.

Any student who is identified in violation of the academic integrity policies outlined above during his/her college matriculation, is subject to the following discipline by the Vice President of Academic Affairs, in addition to actions taken by the respective professor:

1. First reported violation - professor's discretion (see below)
2. Second reported violation - failure in the course (if the student has not already failed the course)
3. Third reported violation - dismissal from the university

Faculty members must notify the student of her/his violation of the academic integrity policy and give the student an opportunity to respond. Because violations of academic integrity cumulatively lead to dismissal, faculty members are required to report each case to their Dean and to the Academic Affairs Office.

Academic Renewal

Northwest Nazarene University provides academic renewal through the "All-C Grades or Better" option. Under this option only courses with a grade of C- (1.7) or better will be used in determining degree qualification and grade-point average calculation. Students wishing to graduate on the "All-C-grades-or-better" option must have this plan approved by the Registrar.

Additional Bachelor's Degree

Northwest Nazarene University offers two different undergraduate degrees: Bachelor of Arts and Bachelor of Science.

A student may earn an additional bachelor's degree when the second degree contains 32 semester credits in addition to the total credits required for the first degree.

The following conditions will apply to the earning of an additional bachelor's degree:

1. All requirements for the second degree must be met.
2. A minimum of 16 credits, including at least 10 upper-division credits, must be taken at NNU.
3. A student who has not completed residency must complete at least 32 semester credits, including at least 10 upper-division, at NNU.
4. Theology 2100 must be taken.

Additional Major

To become a candidate for a second major, a student must complete all requirements in both majors.

Advanced Placement Credit

A maximum of eight (8) semester credits per course will be awarded for high school one year Advanced Placement courses.

Credit for AP exams is accepted (granted) as transfer credits from the Educational Testing Service. Original documentation from ETS is required and the credits are evaluated according to NNU standards.

College credit will be granted on the basis of scores 3, 4, or 5 made on the Advanced Placement Examination of the College Entrance Board. The number of credits granted will be determined by the NNU Registrar.

Credit will be granted as follows:

Test Name	NNU Equivalent	Credit
History of Art	ARDE1010 Survey of Art and Music	3
	Art Literature Elective	3
Music Learning and Literature	ARDE1010 Survey of Art and Music	3
	Music Literature Elective	3
Music Theory	MUSC1200 Music Theory I	3
	MUSC1220 Music Theory II	3
Biology	BIOL2220 General Biology I and lab (with a score of 3)	4
	BIOL 2220 and BIOL 2230 and labs (with a score of 4 or 5)	8
*Chemistry	CHEM2210 General Chemistry I and lab	4
*Calculus BC	MATH2510 Calculus 1	4
*Physics B	PHYS1110 College Physics I and lab	4
*Physics C	PHYS2110 Physics for Science & Engineering I and lab	4
**English Lang./Comp.	English Elective Credit	6
**English Lit./Comp.	English Elective Credit	3
	Literature Elective	3
Microeconomics	ECON2410 Microeconomics Analysis	3
Macroeconomics	ECON2420 Macroeconomics Analysis	3
US Government and PS	POLS1010 American National Politics	3
	Political Science Elective	3
U. S. History	HIST2030 Conflict and Consensus: American History to 1877	3
	U. S. History Elective	3
World History	Two World History Electives	6
French Language	FREN1010	6
French Literature	FREN1010	6
German Language	One Language Elective	6
Latin	One Language Elective	6
Spanish Language	SPAN1010	6
Spanish Literature	SPAN1010	6
Statistics	MATH2240 Elementary Statistics	3

*Must have a score of 4 or 5 to receive credit.

**Students with a score of 3 or higher on the English Language/Comp or the English Literature/Comp AP test will be placed in ENGL1030. These students will have the option to take an NNU English Writing Evaluation. A superior score on the NNU English Writing Evaluation will waive the ENGL1030 general education requirement.

Changes in Registration (Drop/Add)

Adding a course is permitted through the 6th day after the first day of class. Dropping a course is permitted through the 8th day after the first day of class without the transaction appearing as a 'W' on the student's permanent record. The last day to withdraw from a 14-15 week semester course is the 8th day after the midterm grade due date of each semester. The last day to withdraw from a quad course is the 20th day of each quad session.

A faculty member or administrator may drop or withdraw a student under the following circumstances:

1. At or before the scheduled days to drop or withdraw from a course if the student is not attending and not participating in the course.
2. Before the last day to add courses if the student does not meet the prerequisite or co-requisite for the course.

The above policy does not reduce the responsibility of the student to maintain his/her schedule.

Class Attendance

At Northwest Nazarene University, class attendance is considered both valuable and important, and students are urged to honor this opportunity. A strong positive correlation exists between class attendance and academic performance. The University also recognizes the value of activities beyond the classroom, and that they may conflict with classes. Therefore, at this university:

1. Students are responsible to create, with help from their advisors, academic schedules consistent with their other activities.
2. Students are responsible to make arrangements with their instructors in advance of planned absences to insure that they understand how they should submit required work and acquire information from the classes missed.
3. University personnel responsible for activities that require students to miss class must advise students about the priority of the academic program. They should model this priority by providing advance notice about activities that conflict with class to the broader campus community and to their immediate supervisor.
4. The attendance policy for any specific class rests with the instructor. Individual course attendance policy and expectations must be stated in all syllabi. If the instructor determines that attendance directly affects the student's grade, accurate attendance records must be kept.
5. Instructors and students are encouraged to find reasonable, mutually acceptable resolutions of conflicts and difficulties brought about by absences. Student appeals regarding attendance follow the general undergraduate academic appeal procedure.

Classification of Students

Students admitted to the university are classified as **Freshmen** until minimum requirements for a higher classification have been met.

For **Sophomore** standing students must have completed 28 semester credits and have a cumulative grade point average of at least 1.700.

For **Junior** standing students must have completed 60 semester credits and have a cumulative grade point average of at least 2.000.

For **Senior** standing students must have completed 90 semester credits and have maintained a cumulative grade point average of at least 2.000. Senior standing does not assure candidacy for a degree.

Post-Baccalaureate students are those who have received the baccalaureate degree and are registered for additional course work at the undergraduate or graduate level.

Course Numbering/Cancellation

In most departments the courses are arranged to cover a two-year-cycle; some courses are offered every year, others in alternate years, thus giving a wider range of electives over a two-year period than could otherwise be offered.

Numbering System:

0090-0999	Remedial elective university credit
1000-1999	Freshman level courses
2000-2999	Sophomore level courses
3000-3999	Junior level courses
4000-4999	Senior level courses
5000-5999	Professional development courses
6000-9999	Graduate level courses

Students may enroll in a course numbered one level higher than their classification.

Cancellation of Courses:

The university reserves the right to cancel any course at any time.

College Level Examination Program (CLEP)

The CLEP program may be used for granting university credits to those who demonstrate proficiency in specific subjects. The following are guidelines for accepting credits: Credits earned by CLEP are granted to enrolled students. Such credits may be counted toward degrees but count as transfer credits and they may not be included in the residency requirement for graduation.

Six semester credits will be given for each of the five areas of the CLEP General Examination wherein a student scores a 50 or above: English Composition, Mathematics, Humanities, Natural Sciences, and Social Sciences and History. A maximum of 20 semester credits will be allowed for CLEP General Examinations.

No grades or quality points will be assigned CLEP credits.

A student may not receive credit through CLEP for a course which is a prerequisite for a course already taken nor for an equivalent university course already taken.

Credit by Local Examination

Credit by examination may be desirable for enrolled students who have had prior experience with the subject matter of a course offered at NNU. The student petitions for credit by examination when he/she decides, in conference with the professor for the course, that it is advisable. This is to be done prior to and instead of registering for the course. Credit by examination is allowed only in exceptional cases. Credit by examination is not counted as part of the student's academic load for a semester. Credit by examination is not normally permitted the semester of graduation.

Credit for Military Experience

Credit for experience in the armed forces of the United States may be allowed in accordance with the recommendations of the American Council on Education. Credit is not granted for courses which are vocational or technical in nature. Official documents covering the work must be submitted to the Registrar for evaluation.

Dantes Subject Standardized Tests (DSST)

The DSST program may be used for granting university credits to those who demonstrate proficiency in specific subjects, which have been designated by department chairs as meeting specific general education or major requirements.

The recommendation by the American Council on Education for designated passing scores and lower and upper division credit values will be used to issue university credits.

International Baccalaureate Program (IB)

Northwest Nazarene University is committed to granting credits for the IB program. It will grant 5 lower-division semester credits to be applied to general education and/or major requirements, or elective credit for each higher level course completed with a score of 5, 6, or 7. No credit is granted for subsidiary level courses.

Maximum Credits for Non-Classroom Experience

A maximum of 25 percent of the total credits required for a degree (31 credits) may be earned using CLEP, DSST, Advanced Placement, International Baccalaureate, and credit by examination.

Degree Requirement Substitution or Exemption

Only the Registrar may make any substitutions or exemptions within the General Education Program for degrees.

Any substitutions for specific courses required for a particular program fulfilling concentrations, major, or minor requirements may be made only by the administrator or administrators of the program in consultation with the appropriate department chair.

Directory Information

The Family Educational Rights and Privacy Act (FERPA) enacted in 1974 advises institutions to comply with policy concerning the release of directory information. NNU follows the FERPA guidelines of disclosure of personal information.

Directory information is considered not harmful and does not invade student privacy. Students may request that directory information not be disclosed by contacting the Assistant Registrar in the Emerson Administration Building, Room 10, or at bawilhite@nnu.edu.

Name	Address
Telephone	E-mail Address
Major	Dates of Attendance
Enrollment Status	Degrees/Awards Received
Photographs	Recent School Attended
Height/Weight of Athletes	School Activity Participation

Non-Directory Information is personally identifiable information and is not given without written consent from the student.

Student ID Number

Social Security Number*

Date/Place of Birth

Race

Ethnicity

Nationality

Gender

Northwest Nazarene University requests the voluntary submission of student Social Security Numbers to assist in validating students, administering student financial aid programs, collecting student debts, and reporting under the Tax Relief Act of 1997.

Eligibility to Compete and/or Perform

Students who wish to compete and/or perform in intercollegiate and/or school-sponsored activities and/or academic courses which require audition and performance must be enrolled for at least 12 credits, be in good academic standing, and meet the specific academic standard of the group in which participation is sought.

Intercollegiate Athletic Eligibility

Northwest Nazarene University includes the following sports in its intercollegiate athletic program:

Men - baseball, basketball, cross country, golf, soccer, and indoor and outdoor track and field.
Women - basketball, cross country, golf, indoor and outdoor track and field, soccer, softball, and volleyball.

The men's and women's teams are members of the NCAA Division II. Teams compete in the NCAA Great Northwest Athletic Conference (GNAC). The individuals and teams compete for conference and regional championships, which may qualify them for national competition.

Students who wish to compete in intercollegiate athletics must be enrolled full time (typically a minimum of 12 semester credits, with exceptions for undergraduate students in their last semester on schedule to graduate and students enrolled in a graduate program). Other requirements to compete include:

1. As a freshman, being registered with and declared qualified by the NCAA Eligibility Center.
2. Meeting all academic and general eligibility requirements as outlined in the NCAA Division II Manual and as required by GNAC and NNU. GNAC and NNU require a cumulative GPA of 2.00 be achieved and maintained to be eligible to compete, which takes precedence over lower NCAA standards.

Freshmen student-athletes who do not meet all academic requirements to compete may be allowed to participate in designated activities (competition not included) depending on their status of "Partial Qualifier" or "Nonqualifier" as outlined in Bylaw 14.3 of the NCAA Division II Manual, "Freshman Academic Requirements." Transfer student-athletes who do not meet all academic requirements to compete may be allowed to participate in designated activities (competition not included) as outlined in Bylaw 14.5 of the NCAA Division II Manual, "Transfer Regulations." Student-athletes other than freshmen and transfers who do not meet all academic requirements to compete may be allowed to participate in the same activities (competition not included) designated for a freshman "Partial Qualifier."

Student-athletes may not compete in more than four seasons in any one sport.

Grading System

Grades are distributed to students at the end of the semester through the "my.nnu.edu" web-based portal system. A parent may be given a student grade report even though a student denies parental access if the student can be identified as a dependent.

Grading System

The academic work of the student is graded in accordance with the following system. Grade points per credit and an explanation of the grading system are also listed.

Grade	Explanation	Points
A	Distinctly superior or exceptional work	4.0
A-		3.7
B+		3.33
B	Meritorious work	3.0
B-		2.7
C+		2.33
C	Adequate work	2.0
C-		1.7
D+		1.33
D	Less than satisfactory work but passing	1.0
F	Failing work	0.0
P	Passing work	
I	Incomplete work ("I" must be followed by a letter grade)	
IP	In progress	
L	Long-semester	
X	No final examination ("X" must be followed by a letter grade)	
K	Conditional mark	
W	Withdrawal	
LC	Lab Credit	
CR	Credit	
NC	Non-credit	
AU	Audit	

A grade of F indicates failure and necessitates a satisfactory repetition of the course before credit can be allowed.

In approved classes a grade of P may be assigned.

A grade of I or X indicates incomplete work.

An incomplete may be given when, because of extreme circumstances, a student requires an extension of time to complete course work. An I may be granted only by petition, which the student may initiate through the professor or the professor may initiate on a student's behalf. The request must be approved by the Registrar. When an I or X is submitted, it will always have a suffix grade attached which the student will receive if no further work is done for the course, e.g. ID or XF. If the incomplete is not made up two weeks before the close of the semester following the one in which the mark was incurred, the prefix I or X will be dropped from the grade unless an additional request is made and granted to have the period of the incomplete extended. An instructor may request that the student make up the deficiencies before the end of the semester.

On a pass/fail grade an "IP" may not be assigned. The only incomplete grade that can be assigned to a pass/fail course is "IF".

A grade of L may be given only in courses which require more than one semester to complete. The L grade will be replaced by either a P grade or a point-receiving grade upon course completion. An L grade will not normally extend beyond one calendar year unless an additional request is made and granted through the Registrar's Office to have the period of time extended. If one calendar year elapses and no extension is filed, the L grade will revert to a grade based on a student's current standing in the course as designated by the professor.

A grade of K is a temporary grade to be used in sequence courses when a student has failed the first course, but has been given permission to continue in the next course. An appropriate grade will be given to replace the K when the second course is completed. If the second course is not completed, the grade of K becomes an F.

A grade of W is always recorded when a student has withdrawn according to prescribed procedures. Ordinarily, no withdrawals will be granted after the Friday of the eighth week of the semester.

No credit is awarded for a course receiving a grade of W. The W, S, I, L, X, and K are neutral grades and no quality points are given for them. The grade point average of a student is determined by dividing the total number of quality points earned in any semester by the total number of credits in his or her academic load, excluding neutral course units.

Honor Society

Phi Delta Lambda is the national honor society of the colleges and universities of the Church of the Nazarene. The faculty of Northwest Nazarene University has set the following standards for inclusion in the local Delta Chapter of this society: a favorable two-thirds vote of the faculty, good character, graduation in the upper 15 percent of the present graduating class, and a cumulative grade point average of 3.50. Students must have earned 60 semester credits at NNU or have transferred to Northwest Nazarene University with a CUM GPA of 3.5 or higher to be eligible for Phi Delta Lambda.

Honors at Graduation

Summa Cum Laude is awarded to students with a cumulative grade point average at or above 3.900. Magna Cum Laude is awarded to students with a cumulative grade point average between 3.750 and 3.899. Cum Laude is awarded to students with a cumulative grade point average between 3.500 and 3.749. Students must have completed at least 60 semester credits at Northwest Nazarene University or have transferred to NNU with a CUM GPA of 3.5 or higher to be eligible for honors at graduation.

Non-Credit Classes

With the consent of the Registrar, the instructor concerned, and upon payment of a non-credit fee, individuals may enroll in approved courses on a non-credit basis. Historically this type of non-credit enrollment has been for auditory involvement: individuals "audit" courses so they can listen to course lectures and classroom interaction. Those who are 60 years of age or older may enroll in non-credit courses without paying a non-credit fee, pending consent from the Registrar and the instructor concerned.

Anyone who audits courses to fulfill their educational requirements for ordination will be required to pay the Course of Study tuition fee in addition to the non-credit fee.

Individuals who enroll in a course on a non-credit basis may not receive credit for the course without re-enrolling in the course and completing all regular course requirements.

Semester Credit

One semester credit is a quantitative measure representing a class meeting once a week for 14 weeks for 55 minutes together with out-of-class preparation of approximately two hours per credit, per week, or the equivalent.

Quad Credit

Quad Credit (2 semester credits) is a quantitative measure representing a class meeting three times a week or two long periods for a period of 7 weeks, with out-of-class preparation of approximately eight hours per week, or the equivalent.

Official Enrollment

Official enrollment at Northwest Nazarene University means that a student has prepared and submitted to the Registrar a schedule of classes which have been approved by the Academic Advisor or the Major Advisor and has cleared his/her student account with the Business Office. Registration dates are found in the official university calendar published in this catalog and elsewhere. All students are expected to be present and to complete registration on the days scheduled for this purpose.

Instructions for registration will be furnished to each student prior to the time of registration. A final registration period of one or two days is scheduled at the beginning of each semester. A \$100 late registration fee will be charged for completion of registration after this designated time.

Repeated Courses

Students may repeat courses which they previously completed. Credit is allowed only once, and the credit earned and grade point average will reflect the most recent grade. While the original course and grade remain on the permanent transcript, they are not used to calculate credits earned or the cumulative grade point average. Courses that may be repeated for credit are so designated in their course description. If a student desires to replace an NNU course with a transfer course, a petition for a course repeat must be filed with the Registrar before enrolling in the course.

Recommendations

Satisfactory completion of the prescribed academic curriculum does not in itself guarantee the recommendation of a student for entrance into a profession or professional school. The work habits, personality, and character traits of the student, as well as scores on examinations, may be considered in addition to his or her academic record. The completion of the recommendation is done at the sole discretion of the faculty member.

Student Access to Records

Northwest Nazarene University is in compliance with the Family Educational Rights and Privacy Act of 1974. Any student at Northwest Nazarene University may personally inspect, review, and have a copy made of any record kept on him or her. Where information regarding a student is commingled with that relating to other students, the student may have the information concerning only herself or himself transmitted orally. Anything in a student's record, which the student does not understand, will be explained. The records are reviewed, and materials expunged, periodically.

In order to protect the right to privacy, the university will not make any personally identifiable records available, without the student's written consent, to anyone other than NNU officials with a legitimate educational interest, officials of other schools to which the student has applied, certain government officials, and certain persons in connection with an application for financial aid.

If a student concludes that his or her record contains inaccurate, misleading, or otherwise inappropriate data, the student may request an informal meeting with the appropriate administrator to see if, through discussion, a satisfactory agreement can be reached concerning correction, explanation, or deletion of material.

If satisfactory agreement cannot be reached informally, the student may proceed with the university judicial process. The claim of incorrectness must be proved before any material will be removed. The result of the judicial process will be provided to the student in writing within a reasonable period of time and is final.

Semester Length

A semester consists of approximately 14 weeks of instructional class days plus a final examination period, usually four days in length.

Transcript of Academic Record

Students may review their academic records upon request and presentation of photo identification. Students may have an official transcript of their record prepared upon receipt of appropriate payment and an online request form located at www.nnu.edu/transcript. Such official transcripts will be supplied only when the student's account is in good standing. **Usually a minimum of five business days is required for processing official transcripts.**

The official transcript, which is dated, stamped with the Registrar's signature, and sealed, is normally acceptable evidence of educational background to other institutions.

Transfer of Credits

Northwest Nazarene University accepts the following transfer credits:

- University-level credits earned in academic degree programs at colleges and universities accredited by regional accrediting associations
- Credits earned at Bible Colleges accredited by the Association of Biblical Higher Education (ABHE) are accepted at the lower division level
- Credits earned at an international college or university that have been evaluated by a member of the National Association of Credential Evaluation Services (www.naces.org)
- Credits earned at non-regionally accredited colleges and universities which are accredited by an organization recognized by the Council for Higher Education Accreditation (CHEA) are granted on a case by case basis through the Special Academic Petition process

The following policies apply to the acceptance of transfer credits by Northwest Nazarene University:

- Credits must be presented on an official transcript from the institution granting the credit
- Credits are not accepted in which a grade lower than C- (1.70) was received
- Remedial and developmental level courses are not accepted
- Credits earned in vocational or technical programs are not generally accepted
- A transfer student's classification is based on the total number of credits accepted
- A maximum of 62 semester credits may be transferred from two-year colleges
- The cumulative grade point average is based only on grades received at Northwest Nazarene University

Questions regarding the transfer of credit should be directed to the Office of the Registrar.

Phone: 208.467.8542

Fax: 208.467.8603

E-mail: naayers@nnu.edu

Transfer of Associate of Arts Degree

Associate of Arts Degrees from Alaska, Colorado, Idaho, Nevada, Oregon, Utah, and Washington state community colleges as well as the Northwest Community College District of Wyoming will be accepted by Northwest Nazarene University. A student who enrolls at Northwest Nazarene University with an Associate of Arts Degree completed prior to admission from one of the state community colleges listed above will receive:

1. Junior standing
2. Transfer credit up to a maximum of 62 semester credits
3. Waiver of all general education requirements, with the following exceptions:
 - a. THEO2100 Introduction to Christian Theology (3 credits)
 - b. An elective in Bible Literature (3 credits)
 - c. KINE1000 Fundamentals of Wellness (1 credit)
(An equivalent transfer course may be substituted for this requirement)
 - d. HUMN4010 Capstone (1 credit)
 - e. Cross Cultural Experience: one Tier 1 **or** one Tier 2 **or** two Tier 3 experiences.
 - f. Math Proficiency
 - g. All students defined as freshmen by IPEDS must complete the Cornerstone course. This includes all students who have graduated from high school the year prior to enrollment at NNU, regardless of the number of college credits or degrees earned while in high school.

Students with an Associate of Science degree or an Associate of Arts degree from a regionally accredited institution other than those listed above may file a petition with the Registrar for consideration of acceptance of the degree.

Note: A two-year Transfer Degree may not guarantee bachelor degree completion within two years. Course prerequisites, course sequencing, and upper division requirements must also be met.

Transfer students are encouraged to contact the Registrar's Office to determine applicability of their coursework to a specific bachelor's degree. General information can be given over the toll free number 1- 877-NNU-4-YOU. A complete transcript evaluation is available by sending the request with an official copy of the university transcripts to: Registrar's Office, Northwest Nazarene University, 623 S University Blvd, Nampa, ID 83686.

The minimum number of credits required to complete a degree is 124 semester credits of which 32 must be upper-division (courses numbered 3000 and above). For a complete listing of the undergraduate degree requirements, refer to the previous chapter.

Drop from Courses

Students, who "drop" a class, must do so before the 8th day after the first day of classes in any semester. Students must complete a course drop form available in the Office of the Registrar. Dropped classes will not be recorded on the permanent record.

Withdrawal from Courses

Students desiring to "withdraw" from courses by the 8th day after midterm exams in any semester must complete a course add/drop form available in the office of the Registrar. Withdrawals will be recorded on the permanent record as a "W" and will not be granted after the 8th day following the midterm grade due date of the semester.

Withdrawal from University

Students who find it necessary to withdraw from the university before the last class session prior to final exams must secure a Withdraw from School Form from the Office of Academic Advising. These forms must be properly and satisfactorily completed, signed, and filed. An exit interview is required with the offices of Academic Advising and Student Development.

Special Programs and Study Opportunities

College/High School Integrative Programs

Concurrent Credit Program:

The Concurrent Credit Program at Northwest Nazarene University is designed to enrich the educational opportunities of pre-college students who have demonstrated high academic ability. This program unites the services of NNU with high school and home school students offering university-level credits for selected courses administered through NNU and taught at local and online high schools by NNU-approved instructors. The Concurrent Credit Program is fully accredited by the National Alliance Concurrent Enrollment Partnerships (NACEP). Tuition is determined yearly.

Express Education Program:

The Express Education Program at Northwest Nazarene University is designed for high school students who wish to enroll in university classes while maintaining their enrollment and participation in high school or home school. Express students travel to NNU and attend classes with traditional undergraduate students. This program allows the student, at least 16 years old or high school junior status, to enroll in any 1000 or 2000 level course, provided they meet the prerequisites. Tuition is determined yearly and includes an ID card, technology fee, access to the library, sports center, athletic events, and computer labs. Books are purchased separately.

An Express Education student (from high school or home-school):

1. Must be 16 years old, junior or senior standing, or equivalent.
2. Must have a GPA of 3.5, or ACT composite score of 18.
3. Is limited to 4 credits per academic semester, or a maximum of 16 credits over four academic semesters (Jr and Sr year(s) of high school). [Note: for additional courses, a student may apply for admission as a "temporary non-degree student" subject to noted policies and tuition/fees.]
4. Is allowed to enroll for summer school, but subject to Summer School policies and tuition/fees.
5. Is able to enroll in any 1000 or 2000 level course, provided they meet the prerequisites and provided there is availability.
6. Must enroll in courses by the first day of NNU registration. Early registration is suggested, although traditional undergraduate students have priority of classes.
7. May take a Course Audit; however, this will require an Academic Petition and all associated fees.
8. May be involved in an ELI course; however, this does require coordination with the ESL Program at NNU.
9. May take lessons (i.e., music) but would pay all usual fees associated with lessons.
10. Must pay EE (Express Education) tuition upon registration (first day of class) which is non-refundable unless the student is prohibited from enrolling in the course due to class size, etc.
11. Does not receive financial aid
12. Must pay all additional fees related to a specific course (i.e., any related lab fee(s), or any other materials needed for the course) including textbooks.
13. Must follow and note that all deadlines are the same as NNU undergraduate, along with drop/withdrawal deadlines, final exam schedule, etc.
14. May be asked to meet with the High School Program Director if that student is failing, or has failed a class, to discuss course issues, including probation and or continuance.

15. Must assume responsibility to coordinate their high school and EE courses at NNU. Course equivalency is between the student and the high school administration.
16. Must have approval of parent/guardian, who will sign the Parental Consent on the Registration Form.
17. Must complete all necessary forms including, Registration Form, Lifestyle Agreement Form and submit a High School Transcript and/or Test Scores.
18. Will receive an NNU Transcript noting course completion, upon request and payment. Transcripts may be ordered from the NNU Registrar's Office or may be ordered online via the NNU website. All transfer of credits is the responsibility of the student.

Undergraduate Special Programs and Study Opportunities

Individualized Major

The Individualized Major leads to the Bachelor of Arts or Bachelor of Science degree. It provides an individually designed major study plan for those students whose objectives cannot be met by the normal major study programs. A department chair selected by the individual student administers the program.

Requirements: A major study plan is prepared cooperatively by the sponsoring faculty member and the student, to be completed no later than the first semester of the junior year. Guidelines for the Individualized Major may be obtained from the Registrar. The plan will be presented to the Academic Council Undergraduate for approval. Only those plans exhibiting unusual merit will be approved. The guidelines for the minimum and maximum number of credits for each individualized major are listed below:

Major	Minimum Credits	Maximum Credits	Upper-Division Requirement
Departmental Major	30	50	22
Interdepartmental Major	40	60	27

Western Intellectual Traditions: Honors College

Northwest Nazarene University is committed to academic and intellectual excellence, and the NNU Honors curriculum is designed to provide intelligent, passionate, and eager students with challenges and opportunities that will allow them to meet their intellectual goals. The Honors College at NNU offers teaching excellence, small seminar-style classes, and innovative courses in its core curriculum such that students in the Honors College form a cohesive learning group. Core courses that offer general education credit, symposia, and undergraduate research are the key elements in this program. Enrollment is limited, and admission into the Honors College is required.

For more information, contact Professor Steve Shaw at skshaw@nnu.edu.

Summer Session

Summer Session is designed to provide both core and elective courses that will allow students to get ahead. It also provides opportunity for students to enhance their academic profile by taking elective classes of interest and to study under professors they are unable to in a Fall/Spring schedule. Incoming freshmen and transfer students are welcome to take Summer Session at NNU.

Department Of Military Science

Objective: The Senior Army ROTC program will provide world-class leadership training to transform Scholar - Athlete - Leaders at Northwest Nazarene University into commissioned officers prepared to lead a small group upon arrival at their first assignment in the United States Army, Army Reserve, or Army National Guard.

General: NNU is affiliated with the Senior Division, Army Reserve Officer Training Corps (ROTC) of Boise State University. The ROTC program is offered to students who have the desire and ability to become commissioned officers in the United States Army Reserve, National Guard, or Regular Army. Participation in the program is voluntary for the first two years.

The complete program of instruction comprises four years and one 29-day summer leadership course or two years and two summer leadership courses.

A complete statement of requirements is available in the Military Science office, located in the Johnson Sports Center. Phone number: (208) 467-8391.

Financial Assistance

Each contracted student receives an allowance of \$300 - \$550 per month for up to ten months during the school year. Summer Leadership course pay is in addition to meals, quarters, medical/dental, and travel pay is \$775 (approximately). Two and three year scholarships are available to qualified students.

Off Campus Programs

Council for Christian Colleges and Universities (CCCCU)

Coordinators: Dr. Ronald Galloway, International Programs; Dr. Steve Shaw, U.S. Programs
For more information regarding all study abroad programs, please visit this website: <http://www.nnu.edu/academics/study-abroad-and-off-campus-program>

American Studies Program (ASP)

Founded in 1976, the American Studies Program has served hundreds of students from member institutions as a "Washington, D.C. campus." ASP uses Washington as a stimulating educational laboratory where collegians gain hands-on experience with an internship in their chosen field. Internships are tailored to fit the student's talents and aspirations and are available in a wide range of fields. They also explore pressing national and international issues in public policy seminars which are issue-oriented, interdisciplinary and led by ASP faculty and Washington professionals. ASP bridges classroom and marketplace, combining biblical reflection, policy analysis and real-world experience. Students are exposed to on-the-job learning that helps them build for their future and gain perspective on the calling of God for their lives. They are challenged in a rigorous

course of study to discover for themselves the meaning of Christ's lordship in putting their beliefs into practice. The aim of the program is to help Council schools prepare their students to live faithfully in contemporary society as followers of Christ. Students earn 16 semester hours of credit.

Australia Studies Centre (ASC)

Students have the opportunity to spend a semester at the Wesley Institute in Sydney, Australia. The Institute's curriculum focuses on the arts and theology, though a few other humanities credits are offered. All students are required to take a course on Australian history and culture. Numerous other course offerings are available in areas like Old and New Testament theology, drama, music, and graphic design. Students have the opportunity to travel into the Australian outback, do service or ministry projects, and live with a Christian family in Sydney. Sixteen credit hours are available through this program.

China Studies Program (CSP)

The China Studies Program enables students to engage this large and intriguing country from the inside. While living in, and experiencing Chinese civilization firsthand, students participate in seminar courses on the historical, cultural, religious, geographical and economic realities of this strategic and populous nation. In addition to the study of standard Chinese, students are given opportunities such as assisting Chinese students learning English or working in an orphanage, allowing for one-on-one interaction. The program introduces students to the diversity of China, including Hong Kong, Beijing, Shanghai, Xi'an and Xiamen. This interdisciplinary, cross-cultural program enables students to deal with this increasingly important part of the world in an informed, Christ-centered way. Students earn 16 semester hours of credit.

Contemporary Music Center (CMC)

The Contemporary Music Program, located in Nashville, TN, provides students the opportunity to live and work in community while seeking to understand how God will have them integrate music, faith and business. Both interdisciplinary and multi-disciplinary in nature, the CMP offers two tracks: the Artist Track and the Executive Track. The Artist Track is tailored to students considering careers as vocalists, musicians, songwriters, recording artists, performers, producers and recording engineers. The Executive Track is designed for business, arts management, marketing, communications and other majors interested in possible careers as artist managers, agents, record company executives, music publishers, concert promoters and entertainment industry entrepreneurs. Both Artist and Executive track students receive instruction, experience and a uniquely Christian perspective on creativity and the marketplace, while working together to create and market a recording of original music. Both tracks include course work, labs, directed study and a practicum. Students earn 16 semester hours of credit.

India Studies Program (ISP)

The India Studies Program, in Coimbatore, India, is structured to provide students with both immersion in a local community and broad exposure to a variety of peoples, places and customs in India. It includes an extensive two-week travel experience to give students a close up look at India's diversity. Students will participate in two core courses designed to provide a broad overview of the historical, religious, geographical and economic landscape of India. Elective courses are particularly appropriate for art, business, or social work majors.

Latin-American Studies Program (LASP)

Students of CCCU colleges have the opportunity to live and learn in Latin America through the Latin American Studies Program, based in San Jose, Costa Rica. The program introduces students

to a wide range of experiences through the study of language, literature, culture, politics, history, economics, ecology and religion. Living with a Costa Rican family, students experience and become a part of the day-to-day lives of typical Latin Americans. Students also take part in a service opportunity and travel for three weeks to nearby Central American nations. Students participate in one of four concentrations: Latin American Studies (offered both fall and spring semesters); Advanced Language and Literature (limited to Spanish majors and offered both fall and spring semesters); International Business and Management (offered only in fall semesters); and Tropical Sciences (offered only during spring semesters). Students in all concentrations earn 16 semester credits.

Los Angeles Film Studies Center (LAFSC)

The Los Angeles Film Studies Center is designed to train students of Council institutions to serve in various aspects of the film industry with both professional skill and Christian integrity. Students live, learn and work in the LA area near major studios. The curriculum consists of two required seminars focusing on the role of film in culture and the relationship of faith to work in this very influential industry. In addition, students choose two elective courses from a variety of offerings in film studies. Internships in various segments of the film industry provide students with hands-on experience. The combination of the internship and seminars allow students to explore the film industry within a Christian context and from a liberal arts perspective. Students earn 16 semester hours of credit.

Oxford Summer Programme (OSP)

This program allows students (sophomores, juniors, and seniors) to spend a summer studying at Wycliffe Hall, a college within Oxford University. All students participate in a lecture series examining the influence of Christianity on Western Culture. The program also includes elective courses in history, religious studies, English, and the history of science. Graduate and seminary students, non-traditional students, and those engaging in teacher education or continuing education are encouraged to apply as well. Students spend three weeks at Oxford, usually in June and July, and can earn 2-5 credits.

Scholar's Semester in Oxford (SSO)

The Scholar's Semester at Oxford program (SSO) invites students in their junior and senior year to study at one of the most prestigious universities in the world. Students in the SSO will be enrolled as Visiting Students at Wycliffe Hall, Oxford, a status that provides access to more Oxford facilities (e.g., libraries and intramural sports) than were available under the previous program. Courses are available in a number of fields, such as theology, philosophy, history, and other areas within the humanities, liberal arts, and social sciences. In addition to enrolling in two tutorials (courses typically taken one-on-one with a faculty member) and a lecture series, students take an integrative seminar involving a number of travel opportunities and field trips. Housing is provided either on campus at St. Hughes College or in other facilities within walking distance of the university. Students in this program may earn up to 17 semester credits.

Uganda Studies Program (USP)

Students enrolled in the program, study at the Uganda Christian University, located in Mukono, Uganda, approximately thirty miles from the capital, Kampala. Students are enrolled in the Honours College and participate in courses centered on African history, culture, traditions and religions, as well as literature. Service and local travel opportunities are provided through the faith and practice seminar required of all students. Such opportunities may include working with the homeless, assisting in AIDS ministries, teaching the underprivileged, and working alongside Ugandan students on improving facilities. In addition, the University offers a number of electives

in geography, philosophy, theology, and the Ugandan language. Uganda is a beautiful country with a tremendous diversity of terrain and wildlife. During the semester, students take field trips to a number of exotic destinations, including Lake Victoria, the source of the Nile in Jinja, and the Queen Elizabeth National Park. Students in this program may earn up to 16 semester credits.

Washington Journalism Center (WJC)

The Washington Journalism Center is a semester-long study program in Washington, DC, created for students interested in the field of journalism. While in Washington students will take classes focusing on the history and future of the media and how it relates to the public as well as to their personal writing skills. These classes - Foundations for Media Involvement; Reporting in Washington; and Washington, News and Public Discourse - combined with an internship at a top news publication will help students learn to integrate their faith in a journalism career.

Sister University Programs

International Sister University Programs:

Africa Nazarene University (ANU)

Africa Nazarene University is located in Nairobi, Kenya. The university offers undergraduate majors in religion, computer science, and business administration. In addition to courses related to these majors, ANU offers a wide range of general education courses.

NNU students desiring to study at ANU for one semester should gain approval from the student's advisor and the NNU registrar for the courses to be taken at ANU to assure the credits earned will meet one or more of NNU's graduation requirements.

Ambrose University College (AUC)

Ambrose University College is located in Calgary, Alberta, Canada. The college offers several degree and diploma programs, including: Diploma in College Studies, General Studies, Religious Studies, Church Music, Youth and Family Studies, and Theology.

Under the student visitation agreement, students from AUC or NNU might attend the other institution for one semester to study under a particular faculty member, to engage in a particular program of study, or to study in another part of North America.

European Nazarene College (EuNC)

NNU students have the opportunity to attend European Nazarene College in Busingen, Germany through a program administered by Mid-America Nazarene University (MNU). EuNC offers semester and short-term summer programs, small class sizes, an on-campus residence hall, and on-site staff. Courses are taught by MNU and EuNC instructors. The curriculum includes local and regional travel experiences. EuNC is on the German/Swiss border. It has access to high-speed rail service which puts it within 4 to 8 hours of many of the cultural and financial capitals of Europe, making it ideal for students wishing to engage in personal travel.

Korea Nazarene University (KNU)

Korea Nazarene University is a four-year university located in Cheonan City about 50 miles south of Seoul, the capital of the nation. The distinctiveness of the university is to provide a Christian educational environment while preparing students to take leadership in the 21st century global community.

NNU students may choose to attend the normal curricular offerings of the university, which are focused around two undergraduate divisions and four departments. The Division of Computer Science has two majors: Computer Science and Computer Information Systems. The Division of

Theology has three majors, Theology, Christian Education, and Missions. The four departments are English, Rehabilitation, Education of Children, and Music. The Music Department has two majors, Piano and Voice.

Nazarene Theological College of Australia (NTC)

Nazarene Theological College of Australia is a three-year college approved by the Ministry of Education of Queensland. It offers programs preparing scholars for various kinds of Christian ministries. Courses in Bible and Christian theology are available. Upon prior approval of the NNU advisor and the NNU registrar, courses taken by students at NTC may be transferred to NNU to meet certain NNU graduation requirements.

Quetzal Education Research Center (QERC)

In partnership with Southern Nazarene University, the Quetzal Education Research Center, located in San Gerardo de Dota, Costa Rica, educates students in field biology and research, while promoting biodiversity, sustainability and social responsibility. QERC works with students and researchers from around the world to educate and conduct research focused on the tropical cloud forest and its floral and faunal community. QERC integrates 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. QERC Consortium member universities, such as NNU, received special rates and priority reservation for the use of QERC facilities. Space is also reserved in QERC's semester program for students at NNU. Students interested in this program should contact Dr. John Cossel, 467.8893.

Seminario de las Nazareno Americas (SENDAS)

The Seminario de las Nazareno Americas is located just 5K from downtown San Jose, Costa Rica. The site is available for students and faculty who would like to pursue study abroad possibilities. Please contact the Study Abroad office for details (boisecenter@nnu.edu 467.8113)

U.S. Sister University Programs:

- **Eastern Nazarene College (ENC) Quincy, Massachusetts**
- **Mid-America Nazarene University (MNU) Olathe, Kansas**
- **Mount Vernon Nazarene University (MVNU) Mt. Vernon, Ohio**
- **Nazarene Bible College (NBC) Colorado Springs, Colorado**
- **Nazarene Theological Seminary (NTS) Kansas City, Missouri**
- **Olivet Nazarene University (ONU) Bourbonnais, Illinois**
- **Point Loma Nazarene University (PLNU) San Diego, California**
- **Southern Nazarene University (SNU) Bethany, Oklahoma**
- **Trevecca Nazarene University (TNU) Nashville, Tennessee**

Friendship Schools, Asia Region:

Dongseo University

Dongseo University is located in Busan, South Korea. Dongseo is a Christian university with particular strengths in graphic design and film. It offers many of its courses in the English language. American students attending Dongseo have the opportunity to work as English tutors.

Kazak-American Free University (KAFU)

The Kazak-American Free University is in Ust-Kamenogorsk, Kazakhstan. NNU students have the opportunity to study undergraduate courses in business for one semester at the university. Instruction is given in English.

Northwest University

Northwest University, located in Xi'an Shaanxi, China, is the oldest institution of higher learning in Northwest China, and one of the leading comprehensive universities in China. The university offers courses in Chinese language and culture. Many of its core courses are offered in English. There are also opportunities for students to work as English tutors.

Shaanxi University of Chinese Medicine (SUCM)

Shaanxi University of Chinese Medicine is located in Xianyang Shaanxi, China. It is pleased to invite students from NNU to study short or long term. Students will enjoy the extraordinary culture on this campus, located in the heart of central China. Specific courses are offered in English.

Swan College, Central South University of Forestry & Technology (CSUFT)

Swan College of Central South University of Forestry and Technology (CSUFT), located in Changsha, is pleased to invite students from NNU to study and enjoy the culture on this picturesque campus located in the heart of Central South China. During specific terms of the year, courses will be offered in English by professors from NNU's Nampa campus.

Tibet University for Nationalities

Tibet University for Nationalities, located in Xianyang, China, was established in 1958. Although under the jurisdiction of Tibet, it is located in Central China and approximately half of the students are members of the Tibetan minority while the other half come from cities across Central China. The university is rich in culture and offers courses in Chinese language and culture. There are also opportunities for American students to work as English tutors.

Xianyang Normal University

Xianyang Normal University is located in Xianyang, China. It offers both short-term and semester-long courses in Chinese language, history and culture.

Friendship Schools, Latin America Region:**Universidad Internacional-Mexico*******TEMPORARILY SUSPENDED*** Due to State Department Travel Warnings**

The Universidad Internacional, located in Cuernavaca, Mexico, offers students the opportunity to experience an intensive study of the Spanish language and Latin-American Culture. Because of the variance in background and instruction, all students are given a brief assessment of their oral and written skills in Spanish to assure they are enrolled at the appropriate level. Classes range from beginning through advanced levels. Advanced courses include literature, culture and history, linguistics and professional internships. Students at the undergraduate or graduate level in Spanish, International Business, Education, Social Work, Criminal Justice or other professions that require fluency in Spanish or competency in Hispanic culture will value this educational opportunity.

Additional Off-Campus Study Programs

International Programs:

Arcadia Global Studies Program (Consortium)

NNU is affiliated with Arcadia University's College of Global Studies, a consortium that works with universities in Africa, Asia, Australia, Europe, Great Britain, Ireland, Latin America, New Zealand and Turkey. Arcadia offers international internship placements, service learning projects and quality study abroad programs for a semester or during the summer. As a consortium, Arcadia is able to provide significant flexibility to students who need major-specific courses that are difficult to find in other off-campus programs.

Global Links (Consortium)

NNU is affiliated with Global Links, a consortium with connections to over seventy universities throughout Asia, Australia/New Zealand, and Europe. Internship, semester, and summer programs are available. In many cases, Global Links has on-site staff available to provide immediate support to students. As a consortium, Global Links is able to provide significant flexibility to students who need major-specific courses that are difficult to find in other off-campus programs.

Jerusalem University College (JUC)

Jerusalem University College is an evangelical, nondenominational institution located on Mt. Zion in Jerusalem, Israel. It offers NNU students both graduate and undergraduate programs of study for periods of a year, a semester, or two or three-week courses during the summer. The programs of study seek to enhance the student's understanding of the Bible and the culture of the Middle East. Courses are offered in the history, archaeology, geography, languages, and religions of the Middle East, both ancient and modern. Applicants must have completed at least one year of college or university work with a 2.0 GPA or better. NNU has established an "associated school" relationship with JUC which allows students to transfer credit easily.

Students interested in this program should contact Dr. Rhonda Carrim, 467.8349.

Romanian Studies Program

Northwest Nazarene University offers students the opportunity to study one semester in Romania. The program is located in Sighisoara, one of the historic German cities in Transylvania. Students take 8 semester credits of Romanian Language and Culture and 8 semester credits of Cross-cultural Service Learning. Internships may be arranged in business, computers, religion, mission, youth ministry, and other fields. A maximum of 16 semester credits may be earned.

Students interested in this program should visit: www.veritas.ro/veritas.php

U.S. Programs:

Au Sable Institute of Environmental Studies

Au Sable Institute is a Christian institute whose mission is to bring healing to the biosphere and the whole of Creation. It offers academic programs in a variety of natural settings throughout the United States and the world from its home campus in Michigan. Northwest Nazarene University is an "eligible university," which allows students to enroll in Au Sable courses and internships. A variety of courses in environmental study and stewardship, including Environmental Ethics and Ecotheology, are offered at most locations. Most students enroll in summer sessions at the Great Lakes campus in the Great Lakes Forest in Michigan, the Pacific Rim Campus on Puget Sound in

Washington, or the East Campus on the Chesapeake Bay in Virginia. International experiences are available at the Africa Institute for Scientific Research and Development at Olooseos near Nairobi, Kenya or Bishop Heber College in Tiruchirapalli, Tamil Nadu, and South Indian campuses. Course credit can be arranged through participating colleges or universities or by independent study at Northwest Nazarene University.

College of Western Idaho (CWI)

College of Western Idaho is a public community college located in Nampa, Idaho. It serves the Boise metropolitan area. CWI began regular classes on January 20, 2009.

Treasure Valley Community College (TVCC)

Treasure Valley Community College is an Oregon community college located in Ontario, Oregon, at the western edge of the Treasure Valley. Treasure Valley Community College also has a campus located in Idaho between Nampa and Caldwell.

Student Life

Education involves not only the mind, but the development of the whole person, including the use of one's body, the management of emotions, the development of independence, the establishment of identity and the development of purpose and integrity. Northwest Nazarene University is committed to the development of whole person through the opportunities provided by a residential campus setting.

The commitment to the development of the whole person finds reality in numerous organized activities and programs including counseling and guidance, resident life programs, spiritual development, chapel, health services, social, recreational, and leisure time activities, intercollegiate and intramural sports programs and a productive system of student government.

Campus Life

Each full-time undergraduate student is a member of The Associated Students of Northwest Nazarene University (ASNNU). The entire student body is organized for the purpose of carrying on the various student activities and encouraging involvement. The Student Government Association (SGA) serves as the Executive branch, a Student Senate is the Legislative branch, and Justices are selected to serve as the Judicial branch. There are numerous opportunities for involvement through class councils, committees, and various boards.

Lifestyle Expectations

The essential mission of Northwest Nazarene University is the development of Christian character within the philosophy and framework of genuine scholarship. NNU is a community committed to both developing scholars and growing Christians. Thus, each new student is encouraged to recognize the privilege of participating in a community committed to Christian scholarship. Behavioral expectations emerge because of the unique nature of this community. All students are expected to live by the lifestyle guidelines as stated in the Student Handbook, which are based on the University's relationship to the Church of the Nazarene and the directives and guidelines established by it.

New students will receive a copy of the current Lifestyle Guidelines prior to their enrollment. The student is expected to read these policies. **The signature on the student application is an agreement to comply with the lifestyle guidelines of the university.** It is to be understood that the signed application is considered to be valid and binding throughout the period a student is enrolled at NNU. Any changes in campus policy from year to year will be identified in the revised Student Handbook online. All students are responsible to follow the policies outlined in the handbook. A copy is available on the web at www.nnu.edu/studenthandbook.

Any prospective student who feels he or she needs clarification of the printed regulations will have opportunity to discuss the matter with the Office of Student Development either prior to or at the time of registration.

In addition to the provisions of termination for misconduct, the University reserves the right, at the end of the academic semester, to deny re-enrollment or the right to access campus housing to any student when such action, approved by the President, is deemed to be in the best interest of the University or the student.

Clubs and Organizations

Students find outlets for their special interests in various campus organizations such as:

Accounting Club
Association For Computing Machinery (ACM)
Alpha Epsilon Delta Honor Society
American Marketing Association
American Sign Language
Art Club
Chemistry Club
Chinese Students (CSSA)
College Democrats
College Republicans
Crusader League
Drama Club
Fellowship of Christian Athletes
Free Hugs
Green Club (environmental)
International Film Society
International Justice Mission
Midnight Ridazz - Bicycle Club
Multi-Cultural Club
Near Space Club
Outdoor Recreation Club
Phi Kappa Delta, Honorary Forensic Society
Psychology Club
Physics Club
Recycling Club
Sigma Pi Sigma Honor Society
Sigma Tau Delta
Social Work Club
Students In Free Enterprise
Student Nurses Association
Women's Lacrosse
Yacht Club

Support Services

Counseling Center

Personal counseling is provided for students seeking understanding, support, and growth. Some of the areas addressed are student life, relationships, family concerns, personal issues (i.e., depression, abuse, addiction, etc.), premarital and marital counseling, and other issues of concern. NNU provides the Counseling Center as a free service and encourages its use.

The University offers a variety of opportunities, including:

1. Individual and couple counseling provided by licensed professional counselors, and/or supervised interns.
2. Co-curricular seminars covering issues such as safety, relationships, boundaries, suicide prevention and other pertinent issues.
3. Referral sources within the local community through the Counseling Center. These include special needs, emergency hospitalization, psychiatric care, or medication management. Financial responsibility for such off-campus referrals must be taken by the student and his or her parents.
4. Pastoral counseling provided by the University Chaplain to assist students in exploring spiritual areas of their lives.
5. Group Counseling. A variety of groups are led by trained counselors to help students deal with specific issues such as addictive behaviors, anxiety, and depression. Through these groups students can find peer support learn new skills.
6. Peer Mentors. These are students who receive training in active listening skills, referrals, and confidentiality to provide a resource to other students in helping them make the transition to a more fulfilling university life.

International Student Services and Programs

The office provides ongoing support to international students in the academic, spiritual, and social aspects of their lives. We seek to promote awareness, cooperative efforts, and understanding about the various aspects of ethnic, religion, and cultural diversity.

Career Center

The Career Center provides information and assistance to students who wish to assess career goals and investigate career opportunities. In addition, the Career Center assists faculty as they aid students in their career development. The Career Center will help students write effective resumes, practice interviewing techniques, establish networking contacts through the ASK (Alumni Sharing Knowledge) program, and find career-related part/full-time or summer employment, including on-campus student employment opportunities. There are several programs to assist students in their career search that are accessible by computer. These resources include: CIS: Idaho Career Information Services, StrengthsQuest: a Strengths assessment, and a current listing of helpful career development websites, for more information please visit the Career Center Home Page. The Career Center sponsors a number of career-related events during the academic year; a few highlights include an Etiquette Dinner and Style Show, a Spring Career Fair, Resumes Workshops and Alumni/Student Networking Events.

Spiritual Life

The University Chaplain gives direction to the spiritual life programs of the campus and is available to all students, faculty, and staff for issues related to spiritual development and pastoral counseling.

Northwest Nazarene University is committed to developing a climate in which the spiritual lives of each member of the community can flourish. One's faith cannot be bought, sold, or inherited. It is the product of one's own relationship with God. Spiritual growth is maximized when faith is expressed through relationships and ministries.

As members of the Northwest Nazarene University community, students are stretched in their understanding of: (1) Christian commitment, (2) Christian ministry, and (3) Christian vocation. Faculty and staff are encouraged to pursue their own spiritual development and to be equipped and available to assist students in their walk with Christ.

Student Ministries:

A wide variety of programs provide opportunities for guidance, encouragement, and instruction for a growing faith in Jesus Christ. Included in these programs are discipleship opportunities, covenant and accountability groups, international and domestic mission trips and community service opportunities.

Chapel Services, Convocations and Campus Ministries:

Why is "chapel" a required part of the NNU experience?

- **There are some things we all need to learn.** The life of the mind and life of the heart come together as we gather for chapel.
- **There are some things we all need to hear.** There are voices of challenge and hope, and cries of desperate need that you may not hear anywhere else.
- **There are some things we all need to do.** No one seeks the kingdom of God alone. We worship together, we pray together and we make a difference together.

Specific chapel and convocation attendance policies are addressed in the chapel/convocation policy section of the Student Handbook.

Each Monday the entire campus gathers for a weekly Community Chapel. These services form the core of community life at NNU, and include a blend of Christian music, updates on campus news, an opportunity for a member of the staff, faculty, or student body to testify publicly to God's ongoing work in their lives, and a message from the University Chaplain. Chapels and convocations on Wednesdays and Fridays include a variety of speakers and programs designed more specifically for the student community.

Sunday Worship: All students are encouraged to become involved in a local church of their choice.

Lecture Series: Several special lecture series have been established across the years to enhance the chapel/convocation programming. A brief description of the major lecture series follows:

The E. E. Wordsworth Holiness Lecture Series has been endowed by the Wordsworth family to honor Rev. E. E. Wordsworth for his years of service to the Church. The purpose of the series is to emphasize the Wesleyan doctrine of perfect love.

The Mangum Missionary Lecture Series was established by the family to honor Dr. T. E. Mangum, Sr., for his dedication to medicine and missions. A missionary-in-residence is scheduled to make the college community aware of the needs of the world.

Residential Life

Northwest Nazarene University is a residential campus with over 70% of the eligible student population living in campus housing. The goal of the University is to enhance the educational experience of each student through campus community involvement and development.

In order to integrate this commitment, professionals work in each residence hall. These key individuals include the Resident Director (RD), who, along with Resident Assistants (RA's) work directly with the students. The staff makes every effort to create an environment conducive to the development of the whole person. Students are given opportunities for leadership along with many social, spiritual, educational, cultural, and recreational activities.

Events and activities offered in the residence halls are designed to create a safe place for the students to grow and develop skills that help them transition from home to university life, with each year building on the first, ultimately preparing them for independence and to be productive alumni. Community is built through small groups, seasonal parties, bible studies, community service, academic sessions, recreational activities, mentoring, and lots of food and fellowship.

Residential Life has strong partnerships with Academic Advising, the Wellness Center, Spiritual Life and the Career Center for those students who need or desire further help and/or referral during their residential experience.

Residence Halls

Northwest Nazarene University's residence halls have a capacity for more than 800 students and are divided into upper and lower division categories. Students required to live on campus are:

- All traditional freshmen
- All unmarried students who do not have senior standing
- All students who are younger than 22 on or before the first day of the semester
- All students who do not reside with parents/guardians

Students who desire to live off-campus must apply by filling out Off-Campus Housing Forms and must meet established criteria as stated in the on-line handbook. In addition, off-campus students are expected to observe the same general rules of conduct as residential students.

Campus Safety

The Campus Safety office is located at 515 S. Ivy Street directly behind the NNU Alumni House. For emergencies, safety escorts, or immediate facility access, please contact the 24/7 "Officer on Duty" at 208-467-8911 or on campus at 8911. The line is monitored 24 hours a day, 365 days a year.

Campus Safety Staff is available by appointment Monday-Friday 8:00 a.m. - 5:00 p.m. by calling 208-467-8911 or on campus 8911. The Campus Safety Office is closed on Fridays, weekends and holidays.

Vehicles

All students, faculty, and staff using NNU parking areas must register their vehicles and obtain a parking permit from the Office of Campus Safety. Go directly to the NNU PORTAL at <https://my.nnu.edu/ics> and log into your personal PORTAL account. Then select Vehicle Registration from the left pane. Fill in all of the necessary fields with your vehicle information and click on submit. A parking permit will be forwarded to you through campus mail or United States Postal Service. You are responsible for acting within NNU Standards as it pertains to vehicle use on campus. A complete copy of vehicle privileges and guidelines is available on Campus Safety's web page at <http://www.nnu.edu/offices/campus-safety/traffic-code/>.

Food Services

Meals are provided at Northwest Nazarene University by Sodexo, Inc. and Affiliates. All students living on campus (with the exception of Holly Apartment residents) are required to carry a meal plan. Meal plan options are based on the residence hall in which a student lives. Any changes to the meal plan need to be made before the last day to add classes each semester. Guests may eat in the cafeteria by purchasing meals on an individual basis. A guest pass is available at a discounted rate for visiting family members.

Athletic Opportunities

Intercollegiate Competition: Northwest Nazarene University is a member of the NCAA Division II Great Northwest Athletic Conference (GNAC) and provides the following sports in its intercollegiate athletic program:

Men - baseball, basketball, cross-country, golf, track and field (indoor and outdoor), soccer

Women - basketball, cross-country, golf, soccer, softball, track and field (indoor and outdoor), volleyball

Intramural Program: Student Development provides the opportunity for NNU students, faculty, and staff to participate in a variety of campus sports and activities through our intramural program, or Campus League. All of the activities and sports provided by Campus League provide an opportunity to show off your skills, build relationships with teammates, make new friends, and have fun in a competitive (and non-competitive) environment. The NNU campus community can participate in the following Campus League Sports and Campus League Activities:

Campus League Sports

Flag Football
Powderpuff Football
Softball
Basketball
Ultimate Frisbee
Outdoor Volleyball
Soccer

Campus League Activities

Bowling Tournament
Ping Pong Tournament
Campus Golf
Chili Cook-off
Dessert Cook-off
Four Square Tournament
And many more...

Academic Departments

Welcome to the College of Arts and Sciences. When most people think of life at college, they imagine leaf strewn sidewalks populated by challenging faculty and inquisitive co-eds walking amongst warm looking brick buildings on a fall day. In truth, that image is very similar to the way we live in the College of Arts and Sciences. As a residential campus, students live and work in a community of scholars who are committed to the transformation of the whole person. As we try to understand the truths of the world around us we do so in the context of a Christian community that spans 20 centuries. We serve as we learn and thereby carry our knowledge out into the world around our campus. If you are interested in living, learning, and serving in a residential community - then NNU is the place for you.

Applied and Liberal Studies Programs

Majors

Bachelor of Arts, Applied Studies
Bachelor of Arts, Liberal Studies
 Humanities Emphasis
 Mathematics and Science Emphasis
 Social Science Emphasis

Bachelor of Arts, Applied Studies

This program leads to the Bachelor of Arts degree. It provides students with a broad program which includes course work in an applied area and course work in the humanities, mathematics and sciences, and social sciences. The program is administered by the Director of Academic Advising.

Requirements: 60 credits including the following:

24 credits selected from one or two of the following areas:

Applied Art, Business, Christian Ministry, Communication Studies, Computer Science, Criminal Justice, Cultural Studies, Education, Engineering, English (courses in writing or composition which may include ENGL 1020 and ENGL 2020), Kinesiology, Music (education, theory and applied), Nursing and/or Social Work.

12 credits in Humanities

12 credits in Social Sciences

12 credits in Mathematics and Sciences

In a single focus applied studies major, 12 credits of the 24 credits must be numbered above 2999. In a dual focus applied studies major, 12 credits of the 24 credits must be numbered above 2999, with at least 6 upper division credits taken in EACH applied area.

Notation: If Music is selected, no more than three credits of private lessons may apply. If Kinesiology is selected, no more than three credits of Kinesiology activities or activity labs may apply.

Bachelor of Arts, Liberal Studies

This program leads to the Bachelor of Arts degree. It provides students with the content, methodology, and implications of the basic areas of human knowledge; it fosters the attitude of intellectual curiosity harnessed by moral responsibility; and finally, it encourages students to think for themselves, and to be able to participate in life as autonomous individuals. The program is administered by the Director of Academic Advising.

Requirements: 60 credits in one of the three emphases listed below

Humanities Emphasis

Humanities: 24 credits (including 12 credits numbered above 2999)

Mathematics and Science: 18 credits

Social Science: 18 credits

Mathematics and Science Emphasis

Mathematics and Science: 24 credits (including 12 credits numbered above 2999)

Humanities: 18 credits

Social Science: 18 credits

Social Science Emphasis

Social Science: 24 credits (including 12 credits numbered above 2999)

Humanities: 18 credits

Mathematics and Science: 18 credits

Department of Art and Design

Faculty: Paul Kinsman (Department Chair), Jamie Tucker, Amy Gilles, Mike Bartlett

Learning Objectives:

Technical Skills

1. Graduates of the department will be proficient in the technical tools and materials necessary in their chosen area of artistic endeavor. (Academic Excellence, Creative Engagement)
2. Graduates of the department will be fluent in historical and contemporary art concepts and terminology. (Academic Excellence, Creative Engagement)
3. Graduates of the department will exhibit proficiency in writing and speaking about artistic ideas. (Academic Excellence, Creative Engagement)

Conceptual Skills

1. Graduates of the department will effectively employ visual problem solving skills. (Academic Excellence, Creative Engagement)
2. Graduates of the department will be able to think critically about art from a Christian world view. (Christlike Character, Social Responsiveness, Creative Engagement)
3. Graduates of the department will produce art that is culturally relevant and ultimately redemptive. (Christlike Character, Social Responsiveness, Creative Engagement)

Majors

Bachelor of Arts, Art

Graphic Design Emphasis

Studio Art Emphasis

Art Education

See Secondary Education: Art Teaching Area, Art Second Teaching Field

Minors

Graphic Design

Photography

Studio Art

Bachelor of Arts, Art

The art curriculum aims to provide students with fundamental experiences in the visual arts, the ability to develop visual awareness, the ability to make aesthetic judgments, and an appreciation for art forms in every-day life. Courses are designed to study the arts of past and present cultures, to give opportunities for the development of specialized skills, and to provide students with the knowledge and skills needed to pursue further studies or a career in art. The Art Program offers emphases in the areas of graphic design and of studio art, and classes for art education.

Administrator: Chair, Department of Art and Design

Requirements: 54-63 credits: Completion of the prescribed core courses (21 credits) plus the requirements for one area of emphasis (33-42 credits).

Core Courses: 21 credits

- ARDE1020. 2D Design (3)
- ARDE1040. Drawing 1 (3)
- ARDE2010. 3D Design (3)
- ARDE2280. Illustration 1: Visual Voice (3)
- ARDE2430. Introduction to Computer Graphics (3)
- ARDE2760. Photography 1 (3)
- ARDE4960. Internship (3)

Graphic Design Emphasis: 42 credits

- ARDE2350. Graphic Design 1: Introduction To Visual Communication (3)
- ARDE2070. Figure Studies (3); **or** ARDE2410. Painting 1 (3)
- ARDE2360. Graphic Design 2: Typography (3)
- ARDE3340. Design History: Industrial Revolution to Contemporary Design (3)
- ARDE3360. Graphic Design 3: Advanced Practice (3)
- ARDE3440. Introduction to Web Design (3)
- ARDE3730. Advanced Typography (3)
- ARDE4360. Graphic Design 4: Portfolio Preparation (3)
- ARDE4440. Advanced Web Design (3)
- ARDE4540. Integrated Media Campaigns (3)
- ARDE4870. Senior Exhibition (3)
- BSNS3530. Marketing Communications (3);
or BSNS3510. Principles of Marketing (3)

Two courses (6 credits) selected from:

- ARDE3250. Art History 1 (3)
- ARDE3750. Art History 2 (3)
- ARDE3950. Modern & Contemporary Art History (3)

Studio Art Emphasis: 33 credits

- ARDE2070. Figure Studies (3)
- ARDE3250. Art History 1 (3)
- ARDE3500. Studio Practice and Critique (3)
- ARDE3750. Art History 2 (3)
- ARDE3950. Modern & Contemporary Art History (3)
- ARDE4500. Advanced Studio Practice and Critique (3)
- ARDE4870. Senior Exhibition (3)

Choose two sequences (12 credits) selected from:

- ARDE2050. Ceramics 1 (3) **and**
ARDE3050. Ceramics 2 (3)
- ARDE3060. Printmaking (3) **and**
ARDE3080. Introduction to Bookmaking & Letterpress (3)
- ARDE2410. Painting 1 (3) **and**
ARDE3410. Painting 2 (3)
- ARDE3430. Digital Photography (3) **and**
ARDE3760. Photography 2 (3)

Minor, Graphic Design

Requirements: 21 credits

- ARDE2350. Graphic Design 1: Introduction To Visual Communication (3)
- ARDE2360. Graphic Design 2: Typography (3)
- ARDE2430. Introduction to Computer Graphics (3)
- ARDE3440. Introduction to Web Design (3)
- ARDE3360. Graphic Design 3: Advanced Practice (3)

Two courses selected from:

- ARDE2280. Illustration 1: Visual Voice (3)
- ARDE3060. Printmaking (3)
- ARDE3340. Design History: Industrial Revolution to Contemporary Design (3)
- ARDE3430. Digital Photography (3)
- ARDE4440. Advanced Web Design (3)
- ARDE4540. Integrated Media Campaigns (3)

Minor, Photography

Requirements: 21 credits

- ARDE1020. 2D Design (3)
- ARDE2430. Introduction to Computer Graphics (3)
- ARDE2760. Photography 1 (3)
- ARDE3060. Printmaking (3); **or**
 - ARDE3080. Introduction to Bookmaking & Letterpress (3)
- ARDE3430. Digital Photography (3)
- ARDE3760. Photography 2 (3)
- ARDE3750. Art History 2 (3); **or**
 - ARDE3950. Modern and Contemporary Art History (3)

Minor, Studio Art

Requirements: 24 credits

- ARDE1020. 2D Design (3)
- ARDE1040. Drawing 1 (3)
- ARDE2010. 3D Design (3)
- ARDE2410. Painting 1 (3)

Two courses (6 credits) selected from:

- ARDE3250. Art History 1 (3)
- ARDE3750. Art History 2 (3)
- ARDE3950. Modern and Contemporary Art History (3)

Two courses (6 credits) selected from:

- ARDE3060. Printmaking (3)
- ARDE2070. Figure Studies (3)
- ARDE3080. Introduction to Bookmaking & Letterpress (3)
- ARDE3410. Painting 2 (3)
- ARDE3760. Photography 2 (3)

Department of Biology

1. **Faculty:** Jennifer Chase, John Cossel, Jr., Leslie Hay, Jamee Nixon, Ronald Strohmeyer, William Robison

Goals:

1. Graduates will be able to collect and analyze scientific data using a variety of modern methods, techniques and resources. Students will be able to integrate the information into professionally acceptable written and oral forms.
2. Graduates will demonstrate academic and technical skills acquired as biology majors by their application in coursework, mentored research with formal oral and written presentation, and as life-long learners that are able to contribute inspired solutions to biologically relevant questions for both humanity and the living world at large.
3. Graduates will gain an understanding of previous and current scientific advancement and, by moral obligation, use the knowledge to increase the quality of life for all people. Graduates will also use scientific knowledge to make choices that will create an ethic that maximizes stewardship of God's creation and the ecosystems in which we live.
4. Graduates will form a coherent view of the world that integrates key articles of faith with core biological concepts. They will develop an appreciation and compassion for God's creation and a deeper sense of awe at God's role in structuring and sustaining life.

Majors

Bachelor of Science, Biology

General Biology Emphasis

Ecology/Biodiversity Emphasis

Pre-Medical Emphasis

Bachelor of Science, Pre-Physical Therapy

Bachelor of Arts, Biology

Biology Education

See Secondary Education: Biology Teaching Area, Biology First Teaching Field, Biology Second Teaching Field

Minor

Minor, Biology

Pre-Medical, Pre-Dental, Pre-Optometry, Pre-Physician Assistant, Pre-Chiropractic, Pre-Veterinary Medicine, and Pre-Pharmacy

- The student is advised to prepare by taking at least two high school courses in laboratory science and three years of high school mathematics.
- In planning a college program, students should follow the requirements and recommendations of the particular professional schools to which applications for admission are planned. All demand a high grade point average and other evidences of superior scholarship.
- The students need not major in the sciences, provided they assure themselves, in consultation with the pre-professional advisor, that admission requirements are met.
- A major in Biology: Pre-Medical or Chemistry: Biochemistry are designed for matriculation into preprofessional programs.

As electives the student might consider additional courses in chemistry, biological science, mathematics, psychology, and sociology.

BACHELOR OF SCIENCE, BIOLOGY

Administrator: Chair, Department of Biology

Requirements: 55-62 credits, including 37 in biology

The following are the "Core Requirements" for the Bachelor of Science taken in conjunction with one of the Biology degree emphases:

Core requirements: 44-45 credits, 33 in Biology

BIOL2220. General Biology I (3); **and,**

BIOL2220L. General Biology I Laboratory (1)

BIOL2230. General Biology II (3); **and,**

BIOL2230L. General Biology II Laboratory (1)

BIOL2970. Introduction to Research (1)

BIOL3240. Plant and Animal Ecology (3)

BIOL3720. Genetics (3); **and,**

BIOL3720L. Genetics Laboratory (1)

BIOL3740. Origins (3)

BIOL3970. Research (1-3)

* BIOL4980. Senior Seminar/Capstone (1)

CHEM2210. General Chemistry I (3); **and,**

CHEM2210L. General Chemistry I Laboratory (1)

CHEM2220. General Chemistry II (3); **and,**

CHEM2220L. General Chemistry II Laboratory (1)

CHEM3210. Organic Chemistry I (3); **and,**

CHEM3210L. Organic Chemistry I Laboratory (1)

Complete one of the following physics sequences:

PHYS1110. College Physics I (3); **and,**

PHYS1110L. College Physics I Laboratory (1)

PHYS1120. College Physics II (3); **and,**

PHYS1120L. College Physics II Laboratory (1); **or,**

PHYS2110. Physics for Science and Engineering I (3); **and,**

PHYS2110L. Physics for Science and Engineering I Laboratory (1)

PHYS2120. Physics for Science and Engineering II (3); **and,**

PHYS2120L. Physics for Science and Engineering II Laboratory (1)

Quantitative Processes (choose 1):

MATH2240. Elementary Statistics (3)

MATH2510. Calculus I (4)

PSYC3640. Experimental Design and Statistical Analysis I (3); **and,**

PSYC3640L. Experimental Design and Statistical Analysis I Laboratory (1)

*BIOL4980 must be taken at Northwest Nazarene University

Emphases: Select an emphasis from General Biology, Ecology/Biodiversity, or Pre-Medical

GENERAL BIOLOGY EMPHASIS

Objective: To prepare students for entry level jobs in biology or to prepare students for graduate school.

Biology Emphasis Requirements. In addition to the core, the following requirements apply: Sixteen (16) credits selected from biology numbered 2000 and above.

ECOLOGY/BIODIVERSITY EMPHASIS

Objective: To prepare students for entry level jobs in ecology, wildlife, field or conservation biology, or to prepare students with similar vocational goals for graduate school.

Ecology/Biodiversity Requirements: In addition to the core, the following requirements apply. A minimum of 16 credits including 12 credits from below.

Animal Biology (choose 1):

BIOL3300. Vertebrate Zoology: Ectotherms (3); **and,**

BIOL3300L. Vertebrate Zoology: Ectotherms Laboratory (1)

BIOL3320. Vertebrate Zoology: Endotherms (3); **and,**

BIOL3320L. Vertebrate Zoology: Endotherms Laboratory (1)

Plant Biology:

BIOL3160. Plant Taxonomy (3); **and,**

BIOL3160L. Plant Taxonomy Laboratory (1)

Ecology: Systems and Techniques

BIOL4240. Field Ecology (3); **and,**

BIOL4240L. Field Ecology Laboratory (1)

Students planning on attending graduate school are responsible for ensuring that graduate school entrance requirements have been met. It is recommended that students carefully review the admission requirements of the program which they intend to seek admission before selecting these courses. Recommended classes include: General Microbiology, and additional math (see above).

PRE-MEDICAL EMPHASIS

Objective: A course of study that is suitable for application to Medical, Dental, Optometry, Physician Assistant, Veterinary, and Graduate School in biology.

In planning a college program, students should follow the requirements and recommendations of particular professional schools to which applications for admission are planned. **Admission requirements vary from school to school.** All demand a high grade point average and other evidences of superior scholarship.

Pre-Medical Emphasis Requirements. In addition to the core, the following apply:

BIOL4410. Biochemistry I (3); **and,**

BIOL4410L. Biochemistry I Laboratory (1)

BIOL4420. Biochemistry II (3)

CHEM3220. Organic Chemistry II (3); **and,**

CHEM3220L. Organic Chemistry II Laboratory (1)

MATH2240. Elementary Statistics (3)

Select electives from below to equal a minimum of 9 credits.

Anatomy and Physiology

BIOL2010. Human Anatomy and Physiology I (3); **and,**

BIOL2010L. Human Anatomy and Physiology I Laboratory (1);

BIOL2030. Human Anatomy and Physiology II (3); **and,**

BIOL2030L. Human Anatomy and Physiology II Laboratory (1)

BIOL3360. Vertebrate Comparative Anatomy (3); **and,**

BIOL3360L. Vertebrate Comparative Anatomy Laboratory (1)

BIOL3510. Studies in Histology (1)

BIOL3620. Vertebrate Physiology (3); **and,**

BIOL3620L. Vertebrate Physiology Laboratory (1)

BIOL3820. Pathophysiology (3)

BIOL3420. General Microbiology (3); **and,**

BIOL3420L. General Microbiology Laboratory (1)

BIOL3460. Cell Biology (3); **and,**

BIOL3460L. Cell Biology Laboratory (1)

BIOL3520. Developmental Biology (3); **and,**

BIOL3520L. Developmental Biology Laboratory (1)

BIOL3540. Immunology (3)

Additional recommended courses include further biology and chemistry, and/or any of the following:

BIOL3500. Bioethics (2)

BIOL3850. Biological Foundations of Behavior (3); **and,**

BIOL3850L. Biological Foundations of Behavior Laboratory (1)

MATH2510. Calculus I (4)

PHIL3520. Philosophy of Science (3)

PSYC3450. Abnormal Psychology (3)

PSYC3640. Experimental Design and Statistical Analysis I (3); **and**

PSYC3640L. Experimental Design and Statistical Analysis I Laboratory (1)

Bachelor of Science, Pre-Physical Therapy

Objective: To prepare the student for graduate studies in physical therapy or athletic training. The enrollments at the graduate schools are fixed, and students must compete for these positions.

Administrators:

Physical Therapy Emphasis: Chair, Biology Department

Athletic Training Emphasis: Chair, Kinesiology Department

Requirements: Completion of prescribed core plus requirements of one emphasis

Physical Therapy Emphasis-75 credits

Athletic Training Emphasis-75 credits

Core Requirements:

BIOL2010. Human Anatomy and Physiology I (3); **and,**

BIOL2010L. Human Anatomy and Physiology I Laboratory (1)

BIOL2030. Human Anatomy and Physiology II (3); **and,**

BIOL2030L. Human Anatomy and Physiology II Laboratory (1)

BIOL2220. General Biology I (3); **and,**

BIOL2220L. General Biology I Laboratory (1)

BIOL2230. General Biology II (3); **and,**

BIOL2230L. General Biology II Laboratory (1)

CHEM2210. General Chemistry I (3); **and,**

CHEM2210L. General Chemistry I Laboratory (1)

CHEM2220. General Chemistry II (3); **and,**

CHEM2220L. General Chemistry II Laboratory (1)

KINE/BIOL1960. Clinical Observation (1)

KINE2410. Introduction to Athletic Training and Physical Therapy with Laboratory (3)

MATH2240. Elementary Statistics (3)

BIOL4960. Internship in Physical Therapy (1-4) (4 required)

BIOL4970. Pre-Physical Therapy Capstone (1)

MATH1300. College Algebra (3)

SOGY3180. Race, Class, and Gender (3); **or,**

SOGY3340. Sociology of the Family (3)

PSYC2100. Lifespan Development (3)

PSYC3450. Abnormal Psychology (3)

Complete one of the following sequences:

PHYS1110. College Physics I (3); **and,**

PHYS1110L. College Physics I Laboratory (1); **and,**

PHYS1120. College Physics II (3); **and,**

PHYS1120L. College Physics II Laboratory (1); **or,**

PHYS2110. Physics for Science and Engineering I (3); **and,**

PHYS2110L. Physics for Science and Engineering I Laboratory (1); **and,**

PHYS2120. Physics for Science and Engineering II (3); **and,**

PHYS2120L. Physics for Science and Engineering II Laboratory (1)

It is recommended that the students carefully review the admission requirements of the Physical Therapy graduate programs they intend to seek admission to before selecting these courses.

Physical Therapy Emphasis

Choose 16 credits from the following groups of courses. At least three (3) credits from each group:

Group One

BIOL3420. General Microbiology (3); **and**,
BIOL3420L. General Microbiology Laboratory (1)
BIOL3360. Vertebrate Comparative Anatomy (3); **and**,
BIOL3360L. Vertebrate Comparative Anatomy Laboratory (1)
BIOL3500. Bioethics (2)
BIOL3510. Studies in Histology (1)
BIOL3540. Immunology (3)
BIOL3620. Vertebrate Physiology (3); **and**,
BIOL3620L. Vertebrate Physiology Laboratory (1)
BIOL3720. Genetics (3); **and**,
BIOL3720L. Genetics Laboratory (1)
BIOL3820. Pathophysiology (3)
BIOL3920. Cadaver Dissection I (1)
BIOL3930. Cadaver Dissection II (1)
CHEM3210. Organic Chemistry I (3); **and**,
CHEM3210L. Organic Chemistry I Laboratory (1)
CHEM3220. Organic Chemistry II (3); **and**,
CHEM3220L. Organic Chemistry II Laboratory (1)

Group Two

KINE3440. Advanced Athletic Training (3)
KINE3600. Motor Development and Motor Learning (2)
KINE3640. Physiology of Exercise and Biomechanics (3)
KINE4560. Administration and Supervision of HPER (3)

Athletic Training Emphasis

Choose 16 credits from the following groups of courses.

Group One: Choose eight (8) credits.

KINE2430. Health Issues in Today's Society (3)
KINE2730. Nutrition Across the Lifespan (2)
KINE2960. Field Experience in Kinesiology (1)
KINE3440. Advanced Athletic Training (3)
KINE3600. Motor Development and Motor Learning (2)
KINE3630. Corrective and Adaptive Physical Education (2)
KINE3640. Physiology of Exercise and Biomechanics (3)
KINE4950. Internship in Athletic Training (1)

Group Two: Choose eight (8) credits with a minimum of one lab.

BIOL3360. Vertebrate Comparative Anatomy (3); **and,**

BIOL3360L. Vertebrate Comparative Anatomy Laboratory (1)

BIOL3420. General Microbiology (3); **and,**

BIOL3420L. General Microbiology Laboratory (1)

BIOL3500. Bioethics (2)

BIOL3620. Vertebrate Physiology (3); **and,**

BIOL3620L. Vertebrate Physiology Laboratory (1)

CHEM3210. Organic Chemistry I (3); **and,**

CHEM3210L. Organic Chemistry I Laboratory (1)

CHEM3220. Organic Chemistry II (3); **and,**

CHEM3220L. Organic Chemistry II Laboratory (1)

Bachelor of Arts, Biology

Objective: Designed for the student who has goals other than graduate school or teaching.

Administrator: Chair, Department of Biology

Requirements: 48-49 credits in science and mathematics including a minimum of 38 credits in biology with the following core required, and selected elective courses.

Core Requirements:

BIOL2220. General Biology I (3); **and,**

BIOL2220L. General Biology I Laboratory (1)

BIOL2230. General Biology II (3); **and,**

BIOL2230L. General Biology II Laboratory (1)

BIOL3240. Plant and Animal Ecology (3)

BIOL3720. Genetics (3); **and,**

BIOL3720L. Genetics Laboratory (1)

BIOL3740. Origins (3)

BIOL4980. Senior Seminar/Capstone (1)

CHEM1200. Principles of General Chemistry (3)

CHEM1210. Principles of Organic and Biochemistry (3); **and,**

CHEM1210L. Principles of Organic and Biochemistry Laboratory (1)

Choose one of the following courses:

MATH1300. College Algebra (3)

MATH2240. Elementary Statistics (3)

MATH2510. Calculus I (4)

PSYC3640. Experimental Design and Statistical Analysis I (3); **and,**

PSYC3640L. Experimental Design and Statistical Analysis I Laboratory (1)

Choose an additional 19 credits of biology electives numbered 2000 and above.

Minor, Biology

Objective: This program will give a student pursuing a liberal arts degree a background in the field of biology.

Administrator: Chair, Department of Biology

Requirements: 22 credits in Biology including 14 credits of biology electives with course numbers 3000 and above.

BIOL2220. General Biology I (3); **and**

BIOL2220L. General Biology I Laboratory (1)

BIOL2230. General Biology II (3); **and**

BIOL2230L. General Biology II Laboratory (1)

Department of Business and Economics Programs

Faculty: David Chaplin, Peter Crabb, Samuel Dunn, Brenda Johnson, Jeff Lineman, Karen Jones-Porter, Fred Sutton, Mollie Sweet, RG Vanderpool, Dick Van Schyndel, Konya Weber

The mission of the Business Department at Northwest Nazarene University is to educate students and develop them into ethical servant leaders who can transform a global society for the kingdom of Christ. We accomplish this goal by providing a strong, scholarly business curriculum rooted in the liberal arts tradition, which is delivered through traditional and innovative programs. To this end, the program is designed with the following measurable objectives:

1. Students will receive the instruction necessary to increase their knowledge and to encourage academic excellence across a range of contemporary business subjects including accounting, economics, finance, management, information technology, operations, international business environment, law, ethics, marketing, and communication.
2. Students will experience activities that facilitate the development of relevant skills which will encourage creative engagement with the contemporary business environment. These skills will include teamwork, qualitative and quantitative analysis, written and oral communication, use of technology, and decision making.
3. Students will be involved in activities that will enhance their ability to work with Christlike character in a variety of business environments. Aspects of Christlike character addressed will include business ethics, social responsibility, workplace respect, and legal compliance.

Admission to Advanced Standing

Majors in the department of Business and Economics are required to participate in an application and monitoring process that continues throughout their college program. Application to Advanced Standing may be made after the student has successfully completed two of the classes listed below or with the approval of the Department Chair. This application typically occurs during the second semester of the first year.

ACCT2060. Financial Accounting (3)
ACCT2070. Managerial Accounting (3)
BSNS1110. Introduction to Business (1)
BSNS2170. Computer Applications in Business (3)
BSNS2220. Business Communication (3)
ECON2410. Principles of Microeconomics (3)
ECON2420. Principles of Macroeconomics (3)
BSNS2330. Math for Business and Finance (3)

To qualify for entrance into upper-division courses that are applicable for completion of degrees within the Department of Business and Economics, students must have Advanced Standing. To earn Advanced Standing, the following requirements must be met:

1. A student must be officially admitted to Northwest Nazarene University and declare a major or majors in Accounting, Business Administration, Economics, Global Business, Management, or Marketing.
2. A student must have completed at least two business or accounting classes offered through the Business Department and be progressing in at least two business or accounting classes at the time of the interview or at the time of approval from the Department Chair.
3. A student must maintain a minimum cumulative grade point average of 2.5 or receive approval from the Department Chair.
4. A student must adhere to the School of Business Department Standards and University Outcomes.
5. A student must complete the application for Advanced Standing.
6. A student must interview with a faculty panel and receive a positive recommendation.
7. A student must be accepted by vote of the business faculty.

Advanced Standing will be withdrawn if a student fails to enroll at NNU for a period of three consecutive semesters, does not maintain a 2.5 GPA, or does not uphold the Business Department Standards. A student must reapply for Advanced Standing upon re-admittance to NNU.

Bachelor of Science, Accounting

Objectives:

To provide students with a general understanding of multiple areas of accounting, to prepare students for a career in public, corporate or governmental accounting, and to prepare students who want to embark on a management career with a strong accounting emphasis or to prepare students for graduate business and accounting programs.

A total of 150 semester hours of post high school work will be required to sit for the CPA examination in several states. For most students this will take five years to complete. Some students may wish to pursue an MBA to meet this requirement.

Administrator: Chair, Department of Business and Economics

Requirements: 75 credits: completion of the prescribed courses.

ACCT2060. Financial Accounting (3)

ACCT2070. Managerial Accounting (3)

ACCT3010. Income Taxation (3)

ACCT3040. Cost Accounting (3)

ACCT3510. Intermediate Accounting I (3)

ACCT3520. Intermediate Accounting II (3)

ACCT3960. Internship in Accounting (minimum 2 credits)

ACCT4020. Auditing (3)

ACCT4510. Advanced Financial Accounting (3)

BSNS1110. Introduction to Business (1)

BSNS2170. Computer Applications in Business (3)

BSNS2220. Business Communication (3)

BSNS2330. Math for Business and Finance (3); **or**,

MATH2240. Elementary Statistics (3)

BSNS3030. Management Information Systems (3)

BSNS3410. Business Law I (3)

BSNS3420. Business Law II (3)

BSNS3510. Principles of Marketing (3)

BSNS3640. Principles of Management (3)

BSNS3710. Principles of Finance (3)

BSNS3810. Business Ethics (3)

BSNS4600. Global Business Strategies (3)

BSNS4980. Senior Seminar In Business (3)

ECON2410. Principles of Microeconomics (3)

ECON2420. Principles of Macroeconomics (3)

Two upper division electives (six credits) offered by the Department of Business and Economics (excluding BSNS3950 and BSNS3960)

To earn a Bachelor of Arts in Accounting: In addition to the courses listed above, two semesters of an Intermediate Foreign Language are required (84 credits)

Bachelor of Science, Business Administration

Objectives:

To provide professional training for students who plan to enter business careers and to provide the necessary background for the student who plans to pursue graduate work in the field of Business Administration.

Administrator: Chair, Department of Business and Economics

Requirements: 54 credits; completion of the prescribed courses. If an emphasis in Management Information Systems is desired, additional prescribed courses (23 credits) are available.

Core Courses:

ACCT2060. Financial Accounting (3)
ACCT2070. Managerial Accounting (3)
BSNS1110. Introduction to Business (1)
BSNS2170. Computer Applications in Business (3)
BSNS2220. Business Communication (3)
BSNS2330. Math for Business and Finance (3); **or**,
MATH2240. Elementary Statistics (3)
BSNS3030. Management Information Systems (3)
BSNS3410. Business Law I (3)
BSNS3510. Principles of Marketing (3)
BSNS3640. Principles of Management (3)
BSNS3710. Principles of Finance (3)
BSNS3810. Business Ethics (3)
BSNS3960. Internship in Business (minimum 2 credits)
BSNS4600. Global Business Strategies (3)
BSNS4980. Senior Seminar In Business (3)
ECON2410. Principles of Microeconomics (3)
ECON2420. Principles of Macroeconomics (3)
Two upper division electives (six credits) offered by the Department of Business and Economics (excluding BSNS3950 and BSNS3960)

Management Information Systems Emphasis (23 prescribed credits)

For the student who wishes to enter the Management of Information Systems field or plans to pursue graduate work in the field of Management of Information Systems.

Core classes:

COMP2220. Computer Programming in C++ (3)
COMP2220L. Computer Programming in C++ Laboratory (1)
COMP2750. Data Structures (3)
COMP3330. Database Design and Programming (3)
COMP3330L. Database Design and Programming Laboratory (1)
COMP3370. Systems Analysis and Design (3)
COMP3630. Networks and Data Communications I (3)
COMP3640. Networks and Data Communications II (3)
MATH2310. Discrete Mathematics (3)

To earn a Bachelor of Arts in Business Administration: Complete an additional 2 semesters of an Intermediate Foreign Language. (62 credits)

Bachelor of Science, Financial Economics

Objectives:

To provide professional training for students who plan to enter economics careers and to provide the necessary background for the student who plans to pursue graduate work in the field of economics.

Administrator: Chair, Department of Business and Economics

Requirements: 55 credits; completion of the prescribed courses.

Core Courses (34 credits):

ACCT2060. Financial Accounting (3)
BSNS1110. Introduction to Business (1)
BSNS2330. Math for Business and Finance (3); **or**,
MATH2240. Elementary Statistics (3)
BSNS3030. Management Information Systems (3)
BSNS3410. Business Law I (3)
BSNS3510. Principles of Marketing (3)
BSNS3640. Principles of Management (3)
BSNS3710. Principles of Finance (3)
BSNS3810. Business Ethics (3)
BSNS4600. Global Business Strategies (3)
BSNS4980. Senior Seminar In Business (3)
ECON2410. Principles of Microeconomics (3)

Major Courses (Select 15 credits):

ECON2420. Principles of Macroeconomics (3)
ECON3094. Special Topics in Economics (3)
ECON3150. Managerial Economics (3)
ECON3510. Money and Financial Institutions (3)
ECON3770. Saving and Investing (3)
ECON4050. Global Economics (3)

Elective Courses (Select minimum 6 credits):

ECON3010. Personal Finance and Stewardship (3)
POLS3520. Theories of Politics (3)
POLS3610. Comparative Politics (3)
MATH3240. Probability and Statistics (3)
MATH3280. Modeling and Operations Research (3)
MATH3320. Linear Algebra (3)
MATH3540. Differential Equations (3)

To earn a Bachelor of Arts in Economics: Complete two semesters of an Intermediate Foreign Language. (62 credits)

Bachelor of Arts, Global Business

Objective:

To provide professional training for students who plan to enter Global Business careers and to provide the necessary background for the student who plans to pursue graduate work in the field.

Administrator: Chair, Department of Business and Economics

Requirements: 62 credits; completion of the prescribed courses.

Core Courses (34 credits):

ACCT2060. Financial Accounting (3)
BSNS1110. Introduction to Business (1)
BSNS2330. Math for Business and Finance (3) **or**
MATH 2240. Elementary Statistics (3)
BSNS3030. Management Information Systems (3)
BSNS3410. Business Law I (3)
BSNS3510. Principles of Marketing (3)
BSNS3640. Principles of Management (3)
BSNS3710. Principles of Finance (3)
BSNS3810. Business Ethics (3)
BSNS4600. Global Business Strategies (3)
BSNS4980. Senior Seminar In Business (3)
ECON2410. Principles of Microeconomics (3)

Major Courses (Select 15 credits):

BSNS4590. Global Marketing (3)
BSNS4610. Entrepreneurship (3)
BSNS4690. Global Operations Management (3)
ECON2420. Principles of Macroeconomics (3)
ECON3150. Managerial Economics (3)
ECON4050. Global Economics (3)

Elective Courses (Select minimum 5 credits):

ACCT2070. Managerial Accounting (3)
BSNS2170. Computer Applications (3)
BSNS2220. Business Communications (3)
BSNS3010. Personal Finance and Stewardship (3)
BSNS3650. Human Resource Management (3)
BSNS3960. Internship in Business (minimum 2 credits)
ECON2420. Principles of Macroeconomics (3)
POLS3520. Theories of Politics (3)
POLS3610. Comparative Politics (3)
POLS4560. International Peace and Global Governance (3)
SOGY3250. Issues of Developing Nations II (3)

Intermediate Foreign Language (8 credits)

Bachelor of Science, Management

Objective:

To provide professional training for students who plan to enter Management careers and to provide the necessary background for the student who plans to pursue graduate work in the field.

Administrator: Chair, Department of Business and Economics

Requirements: 54 credits; completion of the prescribed courses

Core Courses (34 credits):

ACCT2060. Financial Accounting (3)
BSNS1110. Introduction to Business (1)
BSNS2330. Math for Business and Finance (3) **or**
MATH2240. Elementary Statistics (3)
BSNS3030. Management Information Systems (3)
BSNS3410. Business Law I (3)
BSNS3510. Principles of Marketing (3)
BSNS3640. Principles of Management (3)
BSNS3710. Principles of Finance (3)
BSNS3810. Business Ethics (3)
BSNS4600. Global Business Strategies (3)
BSNS4980. Senior Seminar In Business (3)
ECON2410. Principles of Microeconomics (3)

Major Courses (Select 15 credits):

ACCT2070. Managerial Accounting (3)
BSNS3650. Human Resource Management (3)
BSNS3420. Business Law II (3)
BSNS4610. Entrepreneurship (3) **or**
ECON3150. Managerial Economics (3)
BSNS4670. Organizational Behavior (3)

BSNS4690. Global Operations Management (3)

Elective Courses (Select minimum 5 credits):

BSNS2170. Computer Applications in Business (3)
BSNS2220. Business Communications (3)
BSNS3010. Personal Finance and Stewardship (3)
BSNS3960. Internship in Business (minimum 2 credits)
ECON2420. Principles of Macroeconomics (3)

To earn a Bachelor of Arts in Management: Complete two semesters of an Intermediate Language. (62 credits)

Bachelor of Science, Marketing

Objective:

To provide professional training for students who plan to enter Marketing careers and to provide the necessary background for the student who plans to pursue graduate work in the field.

Administrator: Chair, Department of Business and Economics

Requirements: 54 credits; completion of the prescribed courses.

Core Courses (34 credits):

ACCT2060. Financial Accounting (3)
BSNS1110. Introduction to Business (1)
BSNS2330. Math for Business and Finance (3) **or**
MATH2240. Elementary Statistics (3)
BSNS3030. Management Information Systems (3)
BSNS3410. Business Law I (3)
BSNS3510. Principles of Marketing (3)
BSNS3640. Principles of Management (3)
BSNS3710. Principles of Finance (3)
BSNS3810. Business Ethics (3)
BSNS4600. Global Business Strategies (3)
BSNS4980. Senior Seminar In Business (3)
ECON2410. Principles of Microeconomics (3)

Major Courses (Select 15 credits):

BSNS3094. Special Topics in Marketing (3)
BSNS3530. Marketing Communications (3)
BSNS3550. Sales Management (3)
BSNS3580. Retail Management (3)
BSNS4560. Consumer Behavior Marketing Research (3)
BSNS4590. Global Marketing (3)

Elective Courses (Select minimum 5 credits):

BSNS2220. Business Communication (3)
BSNS3960. Internship in Business (minimum 2 credits)
ECON3150. Managerial Economics (3)
COMM3420. Persuasion (3)
COMM3600. Broadcast Communication (3)
ARDE2350. Graphic Design I: Introduction to Visual Communication (3)
ARDE2360. Graphic Design II: Typography (3)
ARDE2430. Introduction to Computer Graphics (3)
ARDE3440. Introduction to Web Design (3)

To earn a Bachelor of Arts in Marketing: Complete an additional two semesters of an Intermediate Foreign Language. (62 credits)

Minor, Accounting

Requirements: (21 credits). For the student who wishes to have a working knowledge of accounting. Students must maintain a minimum GPA of 2.5 and receive a grade of C- or higher in all classes designated in the minor.

Core Accounting courses (12 credits)

ACCT2060. Financial Accounting (3)

ACCT2070. Managerial Accounting (3)

ACCT3510. Intermediate Accounting I (3)

ACCT3520. Intermediate Accounting II (3)

Select three (3) electives (9) credits

ACCT3010. Income Taxation (3)

ACCT3040. Cost Accounting (3)

ACCT4020. Auditing (3)

ACCT4510. Advanced Financial Accounting (3)

BSNS3420. Business Law II (3)

Minor, Business Administration

Requirements: Select 18 credits in Accounting, Business Administration, Economics, Global Business, Management and Marketing. Nine (9) of the 18 credits must be upper division (excluding ACCT3960, BSNS3950 and BSNS3960). Students must meet with a Department of Business and Economics advisor to develop a program of study and maintain a minimum GPA of 2.5 and receive a grade of C- or higher in all classes designated in the minor. **(Only available to students not enrolled in the School of Business).**

Minor, Financial Economics

Requirements: (Select 18 credits). For the student who wishes to enter the field of economics and financial counseling. Students must maintain a minimum GPA of 2.5 and receive a grade of C- or higher in all classes designated in the minor.

ECON2410. Principles of Microeconomics (3)

ECON2420. Principles of Macroeconomics (3)

ECON3094. Special Topics in Economics (3)

ECON3150. Managerial Economics (3)

ECON3510. Money and Financial Institutions (3)

ECON3770. Saving and Investing (3)

ECON4050. Global Economics (3)

Minor, Global Business

Requirements: (23 prescribed credits). For the student who desires to pursue a career in international business with a fundamental understanding of business study with an emphasis on cultural sensitivity. Students must maintain a minimum GPA of 2.5 and receive a grade of C- or higher in all classes designated in the minor.

BSNS4590. Global Marketing (3)
BSNS4600. Global Business Strategies (3)
BSNS4610. Entrepreneurship (3)
ECON3150. Managerial Economics (3)
ECON4050. Global Economics (3)
Two semesters of an Intermediate Foreign Language (8)

Minor, Management

Requirements: (Select 18 credits). For the student who desires to concentrate in management and organizational development. Students must maintain a minimum GPA of 2.5 and receive a grade of C- or higher in all classes designated in the minor.

BSNS3410. Business Law I (3)
BSNS3420. Business Law II (3)
BSNS3640. Principles of Management (3)
BSNS3650. Human Resource Management (3)
BSNS4600. Global Business Strategies (3); **or**
 BSNS4690. Global Operations Management
BSNS4610. Entrepreneurship (3); **or**,
 ECON3150. Managerial Economics (3)
BSNS4670. Organizational Behavior (3)

Minor, Marketing

Requirements: (Select 18 credits). For the student who desires to pursue a career in brand management, marketing research, advertising or other marketing related fields. Students must maintain a minimum GPA of 2.5 and receive a grade of C- or higher in all classes designated in the minor.

BSNS3094. Special Topics in Marketing (3)
BSNS3510. Principles of Marketing (3)
BSNS3530. Marketing Communications (3)
BSNS3550. Sales Management (3); **or**,
 ECON3150. Managerial Economics (3)
BSNS3580. Retail Management (3)
BSNS4560. Consumer Behavior Research (3)
BSNS4590. Global Marketing (3)

Department of Chemistry

Faculty: D. Timothy Anstine, Jerry Harris, Daniel Nogales

Learning Objectives:

1. Students will develop intellectual curiosity about chemistry and an appreciation for the practical role it plays in physical and biological science. (Academic Excellence, Creative Engagement)
2. Graduates will understand and be able to communicate the key theories in each chemistry discipline: Analytical, Inorganic, Organic, and Physical. (Academic Excellence)
3. Graduates will obtain skills in analysis, synthesis, instrumentation, and quantitative reasoning essential to establish and test hypotheses. (Academic Excellence, Creative Engagement)
4. Students will integrate biblical principles and scientific knowledge to be God's agents in academia, industry, and society. (Christlike Character, Social Responsiveness, Creative Engagement)

Majors

Bachelor of Science, Chemistry

Chemistry Emphasis

Biochemistry Emphasis

Environmental Chemistry Emphasis

Bachelor of Arts, Chemistry

Chemistry Education

See Secondary Education: Chemistry Teaching Area, Chemistry First Teaching Field,

Chemistry Second Teaching Field

Minor

Minor, Chemistry

Bachelor of Science, Chemistry

Academic Objective:

This emphasis is designed for the student who has goals of pursuing academic research or professional service in fields closely related to chemistry. This program of study fulfills most admission requirements for graduate school, although students should make sure that course work covers any expectations for specific programs.

Administrator: Chair, Department of Chemistry

Requirements: A total of at least 58-60 credits in science and math, including at least 30 credits in chemistry **and an emphasis selected from the three listed below.**

CHEM2210. General Chemistry I (3); **and,**
CHEM2210L. General Chemistry I Laboratory (1)
CHEM2220. General Chemistry II (3); **and,**
CHEM2220L. General Chemistry II Laboratory (1)
CHEM2610. Analytical Chemistry (3); **and**
CHEM2610L. Analytical Chemistry Laboratory (1)
CHEM3210. Organic Chemistry I (3); **and,**
CHEM3210L. Organic Chemistry I Laboratory (1)
CHEM3220. Organic Chemistry II (3); **and,**
CHEM3220L. Organic Chemistry II Laboratory (1)
CHEM3310. Inorganic Chemistry (3)
CHEM3510. Thermodynamics and Kinetics (3)
CHEM3620. Integrated Laboratory I (1)
CHEM4610. Integrated Laboratory II (1)
CHEM4710. Structure Elucidation (3)
* CHEM4970. Research (1-6)
** CHEM4980. Senior Seminar/Capstone (1)
MATH2510. Calculus I (4)
PHYS2110. Physics for Science and Engineering I (3); **and,**
PHYS2110L. Physics for Science and Engineering I Laboratory (1)
PHYS2120. Physics for Science and Engineering II (3); **and,**
PHYS2120L. Physics for Science and Engineering II Laboratory (1)

Chemistry Emphasis

13-14 credits in the following courses:

MATH2520. Calculus II (4)
MATH3540. Differential Equations (3)
PHYS4810. Fundamentals of Quantum Mechanics (3)

Choose one of the following:

BIOL4410. Biochemistry I (3); **and,**
BIOL4410L. Biochemistry I Laboratory (1)
CHEM4720. Advanced Organic Chemistry (3)
PHYS4720. Solid State Physics (3)

Biochemistry Emphasis

14-15 credits in the following courses:

BIOL2220. General Biology I (3); **and**,
BIOL2220L. General Biology I Laboratory (1)
BIOL4410. Biochemistry I (3); **and**,
BIOL4410L. Biochemistry I Laboratory (1)
BIOL4420. Biochemistry II (3)
MATH2240. Elementary Statistics (3); **or**,
MATH2520. Calculus II (4)

Environmental Chemistry Emphasis

13-14 credits in the following courses:

BIOL2220. General Biology I (3); **and**,
BIOL2220L. General Biology I Laboratory (1)
BIOL3240. Plant and Animal Ecology (3); **and**,
*** approved Ecology course; or, approved
Environmental chemistry or water quality course (3)
MATH2240. Elementary Statistics (3); **or**,
MATH2520. Calculus II (4)

In addition to the above requirements, the student will be required to successfully pass an oral examination or a written subject examination in the field of chemistry.

* A minimum of one credit is required, but a maximum of six credits in CHEM4970 will be allowed toward the major.

** CHEM4980 must be taken at Northwest Nazarene University.

*** Courses in ecology and environmental chemistry are available through the off-campus Au Sable Institute.

Bachelor of Arts, Chemistry

Objective:

To prepare students for fields of chemistry not requiring advanced studies.

Administrator: Chair, Department of Chemistry

Requirements: A total of at least 42 credits in science and math, including at least 31 credits in chemistry.

Core Courses:

CHEM2210. General Chemistry I (3); **and**,
CHEM2210L. General Chemistry I Laboratory (1)
CHEM2220. General Chemistry II (3); **and**,
CHEM2220L. General Chemistry II Laboratory (1)
CHEM2610. Analytical Chemistry (3); **and**,
CHEM2610L. Analytical Chemistry Laboratory (1)

CHEM3210. Organic Chemistry I (3); **and**,
 CHEM3210L. Organic Chemistry I Laboratory (1)
 CHEM3220. Organic Chemistry II (3); **and**,
 CHEM3220L. Organic Chemistry II Laboratory (1)
 CHEM3310. Inorganic Chemistry (3)
 CHEM3510. Thermodynamics and Kinetics (3)
 CHEM3620. Integrated Laboratory I (1)
 CHEM4610. Integrated Laboratory II (1)
 * CHEM4970. Research (1-6)
 ** CHEM4980. Senior Seminar/Capstone (1)
 MATH2510. Calculus I (4)
 PHYS1110. College Physics I (3); **and**,
 PHYS1110L. College Physics I Laboratory (1)
 PHYS1120. College Physics II (3); **and**,
 PHYS1120L. College Physics II Laboratory (1)

* A minimum of one credit is required, but a maximum of six credits in CHEM4970 will be allowed toward the major.

** CHEM4980 must be taken at Northwest Nazarene University.

Minor, Chemistry

Objective:

The chemistry minor is a combination of the core courses found in the area of chemistry. It will provide the student with a broad and basic understanding of the field along with skills for laboratory work in chemistry.

Administrator: Chair, Department of Chemistry

Requirements: 25 credits. Every student must complete the following courses along with one of the options listed below.

CHEM2210. General Chemistry I (3); **and**,
 CHEM2210L. General Chemistry I Laboratory (1)
 CHEM2220. General Chemistry II (3); **and**,
 CHEM2220L. General Chemistry II Laboratory (1)
 CHEM2610. Analytical Chemistry (3); **and**,
 CHEM2610L. Analytical Chemistry Laboratory (1)
 CHEM3210. Organic Chemistry I (3); **and**,
 CHEM3210L. Organic Chemistry I Laboratory (1)
 CHEM3220. Organic Chemistry II (3); **and**,
 CHEM3220L. Organic Chemistry II Laboratory (1)
 CHEM3620. Integrated Laboratory I (1); **or**,
 CHEM4610. Integrated Laboratory II (1)

Choose one course from the following:

CHEM3310. Inorganic Chemistry (3); **or**,
 CHEM3510. Thermodynamics and Kinetics (3); **or**,
 CHEM4710. Structure Elucidation (3); **or**,
 CHEM4720. Advanced Organic Chemistry (3)

Department of Communication Studies

The mission of the Department of Communication Studies is to equip students with a better understanding of and skills in mass communication, human communication, research and performing arts. The department seeks to provide an appreciation and understanding of the history, theories, and techniques of mass communication and human communication while creatively engaging in the practice of multiple communication channels. Students are involved in varied activities to enhance their communication skills through writing, producing, directing, speaking, forensics research, drama, and community involvement. The faculty is committed to educating, training, advising and encouraging the students of Communication Studies to use developed skills as "God's creative and redemptive agents in today's world."

Faculty: Arnie Ytreeide (Department Chair), M. Brooke Adamson, Donna Allen
Learning Objectives:

1. Graduates of the department and general education students will learn to think clearly about and analyze critically the various means and methods of communications; to conduct effective research in the field; and to communicate clearly through the medium of their choice. (Academic Excellence)
2. Graduates of the department and general education students will demonstrate an ability to respectfully suggest alternatives for the many viewpoints regarding the moral and ethical issues involved with communicating through the media. (Christ-like Character)
3. Graduates of the department and general education students will demonstrate an understanding of the tremendous impact communicators have in shaping opinion and effecting change in society. They will demonstrate an ability to educate others, not only by presenting information, but also by looking for solutions to today's problems through research. (Social Responsiveness)
4. Graduates of the department and general education students will have augmented their own personal talents with an understanding of the forms, structures, and avenues of creative communication. (Creative Engagement)

Majors

Bachelor of Arts, Communication

Communication Science Emphasis

Public Relations Emphasis

Bachelor of Arts, Mass Communications

Communication Education

See Secondary Education: Communication Second Teaching Field

Minors

Broadcasting

Communication

Drama

Media Production

Bachelor of Arts, Communication

This major provides an understanding of the role communication plays in contemporary society with emphases on relationship issues, public speaking, research, and/or public relations. Students can use their training to assume leadership positions in public administration, the behavioral sciences, the media, or as a basis for graduate study in communication.

Administrator: Chair, Department of Communication Studies

Requirements: 48 credits: 30 core credits and the requirements for one area of emphasis (18)

Core Courses: 30 credits

- COMM1010. Introduction to Communication (3)
- COMM2020. Media Systems and Literacy (3)
- COMM2120. Communication Activities (1); **or**
 COMM3120. Advanced Communication Activities (1)
- COMM3020. Organizational Communication (3)
- COMM3050. Nonverbal Communication (3)
- COMM3280. Communication Law and Ethics (3)
- COMM3420. Persuasion (3)
- COMM4440. Rhetorical Theory and Criticism (3)
- COMM4610. Communication Research and Theory (3)
- COMM4950. Internship in Communication Studies (3)
- COMM4970. Senior Project (1)
- COMM4980. Seminar in Communication Studies (1)

Communication Science Emphasis

A course of study that allows students to gain an understanding of the processes of human communication which shape relationships, groups, and organizations, that persuade and entertain individuals, and that influence public opinion, media use, attitude and behavioral change.

Requirements: 18 credits

- COMM2010. Small Group Communication (3)
- COMM2030. Interpersonal Communication (3)
- COMM4094. Topics in Communication Studies (3)
- 9 credits in an approved field of which 6 shall be numbered above 2999 (9)

Public Relations Emphasis

A course of study that prepares students for careers in diverse fields relating to public relations. Emphasis is placed on building relationships between organizations and their audiences through media, media relations, critical thinking, writing and speaking, understanding of the processes and roles of persuasion and rhetoric and of the critical nature of research. Students encounter both the theory and practice of public relations through rigorous classroom and group work, case studies and internships.

Requirements: 18 credits

- COMM2250. Introduction to Scriptwriting (3)
- COMM2420. Introduction to Public Relations (3)
- COMM3210. Advanced Public Speaking (3)
- BSNS3510. Principles of Marketing (3)
- COMM3600. Broadcast Communication (3)
- COMM4420. Advanced Public Relations (3)

Bachelor of Arts, Mass Communications

A major in Mass Communication will provide an understanding of the systems, theories, and practices of mass communication and their impact on contemporary society. It will also provide specific skills in film, television, and media production. Students can use their education and training for entry-level employment in the film and television industry, for work in the church or on the mission field, for independent production, or for pursuing graduate study in communication and other fields.

Administrator: Chair, Department of Communication Studies

Requirements: 50 credits

- COMM1010. Introduction to Communication (3)
- COMM1260. Introduction to Video (1)
- COMM2020. Media Systems and Literacy (3)
- COMM2050. History of Film and Television (2)
- COMM2250. Introduction to Scriptwriting (3)
- COMM2260. Intermediate Video Production (3)
- COMM2280. Audio For Film and Television (2)
- COMM3010. Producing Film and Television (2)
- COMM3020. Organizational Communication (3)
- COMM3030. Film Theory and Criticism (3)
- COMM3050. Nonverbal Communication (2)
- COMM3250. Advanced Screenwriting (3)
- COMM3260. Advanced Television Production (3)
- COMM3280. Communication Law and Ethics (3)
- COMM3290. Intermediate Post-Production (2)
- COMM4250. Cinematography (3)
- COMM4260. Film and Television Directing (3)
- COMM4610. Communication Research and Theory (3)
- COMM4970. Senior Project (1) (2 required)
- COMM4980. Seminar in Communication Studies (1)

Minor, Broadcasting

This minor is designed for the student who would like to expand his or her future employment opportunities to include television or internet broadcasting.

Requirements: 17 credits

- COMM1260. Introduction to Video (1)
- COMM2250. Introduction to Scriptwriting (3)
- COMM2600. Introduction to Performance (3)
- COMM3210. Advanced Public Speaking (3)
- COMM3420. Persuasion (3)
- COMM3600. Broadcast Communication (3)
- COMM4950. Internship in Communication Studies (1-2) (1 required)

Minor, Communication

This minor is designed for students in various professional disciplines, such as business, ministry, or psychology, who would like to better prepare themselves for communicating within their fields. Students must meet with a Department of Communication Studies advisor to develop an approved program of study.

Requirements: 21 credits

- COMM1010. Introduction to Communication (3)
- COMM2030. Interpersonal Communication (3)
- 15 credits in Communication of which 12 shall be numbered above 2999.

Minor, Drama

Requirements: 20 credits

- COMM1310. Oral Interpretation (3)
- COMM2250. Introduction to Scriptwriting (3)
- COMM2600. Introduction to Performance (3)
- COMM3030. Film Theory and Criticism (3)
- ENGL3320. Shakespeare (3)
- ENGL3410. Greek and Roman Classics (3); **or,**
- ENGL3520. Twentieth Century Drama (3)
- Two credits in any combination from the following: (2)**
 - COMM2120. Communication Activities (1)
 - MUSC2420. Musical Theatre Production/Opera Workshop (1)

Minor, Media Production

Requirements: 20 credits

- COMM1260. Introduction to Video (1)
- COMM2250. Introduction to Scriptwriting (3)
- COMM2260. Intermediate Video Production (3)
- COMM2280. Audio For Film and Television (2)
- COMM3010. Producing Film and Television (2)
- COMM3030. Film Theory and Criticism (3)
- COMM3260. Advanced Television Production (3)
- COMM3280. Media Law and Ethics (3)

Department of Education

Faculty: Catherine Beals, Jennifer Hill, Duane Slemmer, LoriAnn Sanchez, and Whitney Ward.

Mission: The mission of the Department of Education at Northwest Nazarene University is to be a Christ-centered unit that develops capable, compassionate educators who are determined and prepared to meet the educational needs of young people in a changing world. This mission drives our work in undergraduate, graduate, and continuing education programs. It is articulated through the conceptual framework underpinning all education programs.

Learning Objectives: Outcomes for NNU's education programs are articulated in the conceptual framework known as "Learner-Centered CORE" and the Idaho Core Teaching Standards. Learner-Centered CORE (NNU Education Department Conceptual Framework)

1. Called to Serve

Educators prepared at Northwest Nazarene University view their profession as not just a job but rather as a ministry that requires the full engagement of heart, mind, and soul. They have accepted the call to transform the lives of students through teaching, leading, mentoring, and relationship building. They keep what is best for the student at the center of all they do.

2. Open to Change

Educators prepared at Northwest Nazarene University value learning and demonstrate a breadth of knowledge and an inquiry-based habit of mind. As lifelong learners, they continually update their knowledge and skills - innovating with the latest technology and seeking ways to improve education. They question educational assumptions and use current research to stimulate reflection and to inform practice.

3. Responsive to All

Educators prepared at Northwest Nazarene University are committed to the academic, social, and emotional growth of all students with focused attention on those with diverse needs. They believe that all students can learn. They understand students' backgrounds and make connections through meaningful relationships and community building. Educators prepared at NNU play critical roles in promoting democratic values. They examine and challenge social inequities in schools and communities, facilitating equal voice and equal access for all students and parents. They understand the historical and philosophical purposes of schools and the legal and societal influences impacting youth and families.

4. Empowered to Succeed

Educators prepared at Northwest Nazarene University are highly skilled in promoting student achievement, using data to guide practice and incorporating technology to enrich learning. Adept at working with parents and responding to students, they apply theories, strategies, frameworks, and research to challenge, to interest, to accommodate, and to assess a diverse student population. Educators prepared at NNU demonstrate management expertise that stimulates growth and creates a safe and positive learning environment. They are recognized as experts in their fields.

Idaho Core Teaching Standards

The Learner and Learning

1. Learner Development
2. Learner Differences
3. Learning Environments

Content

4. Content Knowledge
5. Application of Content

Instructional Practice

6. Assessment
7. Planning for Instruction
8. Instructional Strategies

Professional Responsibilities

9. Professional Learning and Ethical Practice
10. Leadership and Collaboration

ADMINISTRATOR

The Chair is the administrator of the Education Department.

ACCREDITATION

The teacher education program is accredited by the the National Council for Accreditation of Teacher Education (NCATE). The program is approved by the Idaho State Board of Education using Idaho standards.

Northwest Nazarene University is a member of the American Association of Colleges for Teacher Education (AACTE), the Association of Independent Liberal Arts Colleges of Teacher Education (AILACTE), and the Association of Christian Schools International (ACSI).

TRANSFER AND POST-BACCALAUREATE STUDENTS

It is to the advantage of transfer students to contact an NNU advisor in the education department even while attending another college or working on another degree so they can be assisted in selecting and sequencing coursework that will meet NNU requirements. This can minimize the chance of inadvertently extending the length of their program at NNU.

CHECKPOINT 1: ADMISSION TO TEACHER EDUCATION

Application for admission to teacher education should be made during the semester when EDUC2960 (Field Experience) is taken. Decision factors include cumulative GPA, ACT/SAT/COMPASS scores, and disposition reports. No person convicted of a felony will be admitted to the Teacher Education Program.

Requirements for admission:

The department, with the assistance of the Teacher Education Council, conducts interviews of candidates. Candidates who are not enrolled at NNU for two consecutive semesters need to reapply for admission to the Teacher Education Program when they return.

1. **Scholarship.** A cumulative grade point average of 2.75 or above must have been earned in university work or a grade point average of 3.00 or higher earned in the most recent 32 semester credits. GPA is computed only on credits earned at NNU.
2. **Dispositions for teaching.** These values, commitments, and professional ethics are listed on the undergraduate dispositions assessment. They are demonstrated by candidates in courses, field experiences, and interviews.

3. **Satisfactory test performance.** Minimum ACT scores of 21 on English and 21 on mathematics or minimum SAT scores of 520 on verbal and 550 on mathematics (or minimum COMPASS scores of 86 on English and 50 on mathematics) are required for admission. Assistance in studying for these tests is available in the Academic Support Center.
4. **Residence.** One semester in residence at NNU must precede admission to the program.

CHECKPOINT 2: ADMISSION TO METHODS AND READING COURSES

Prerequisites for admission to the reading courses and secondary methods courses are admission to the Education Program, maintaining a 2.75 or better cumulative GPA, and satisfactory ratings on undergraduate dispositions assessments.

CHECKPOINT 3: ADMISSION TO STUDENT TEACHING (SECONDARY)

Admission to secondary student teaching (EDUC4860 or EDUC4870) occurs after completion of EDUC3510, Teaching Methods in Secondary Classrooms, and content specific methods courses. Criteria for admission include:

1. Maintaining a 2.75 or better cumulative GPA
2. Passing state required content Praxis II test(s).
3. Demonstrating ability in planning, instruction, assessment, and student management and motivation during methods practicum, and,
4. Satisfactory ratings on undergraduate dispositions assessments.

CHECKPOINT 3: ADMISSION TO INTERNSHIP (ELEMENTARY)

Elementary education majors experience a full-year internship in a local elementary partnership school. This internship consists of university coursework integrated with K- 6 classroom experience. Courses in the internship year include EDUC4430, EDUC4440, EDUC4450, EDUC4460, EDUC4540, EDUC4550, and EDUC4810.

Admission to the internship year occurs at the end of the semester in which Content Literacy in Elementary Classrooms (EDUC3260) and Fundamentals of Reading (EDUC3250) are taken.

Criteria for admission include:

1. Maintaining a 2.75 or better cumulative GPA
2. Passing state required content Praxis II tests.
3. Demonstrating ability in planning, instruction, assessment, and student management and motivation, and
4. Satisfactory ratings on undergraduate dispositions assessments.

CHECKPOINT 4: PROGRAM COMPLETION AND RECOMMENDATION FOR CERTIFICATION

Candidates must have successfully completed all requirements for student teaching or internship with a grade of A or B, passed all State required tests, and been recommended by the Teacher Education Council for certification.

Majors**Bachelor of Arts, Elementary Education**

- English/Language Arts Middle School Content Area
- Math Middle School Content Area
- Science Middle School Content Area
- Social Studies Middle School Content Area

Bachelor of Arts, Special Education**Bachelor of Arts, Secondary Education**

- American Government/Political Science Second Teaching Field Emphasis
- Art Teaching Area Emphasis
- Art Second Teaching Field Emphasis
- Biology Teaching Area Emphasis
- Biology First Teaching Field Emphasis
- Biology Second Teaching Field Emphasis
- Chemistry Teaching Area Emphasis
- Chemistry First Teaching Field Emphasis
- Chemistry Second Teaching Field Emphasis
- Communication Second Teaching Field Emphasis
- Economics Second Teaching Field Emphasis
- English Teaching Area Emphasis
- English First Teaching Field Emphasis
- English Second Teaching Field Emphasis
- Health Second Teaching Field Emphasis
- History First Teaching Field Emphasis
- History Second Teaching Field Emphasis
- Kinesiology Teaching Area Emphasis
- Kinesiology First Teaching Field Emphasis
- Kinesiology Second Teaching Field Emphasis
- Mathematics Teaching Area Emphasis
- Mathematics First Teaching Field Emphasis
- Mathematics Second Teaching Field Emphasis
- Music Teaching Area Emphasis
- Music Second Teaching Field Emphasis
- Physics Second Teaching Field Emphasis
- Psychology First Teaching Field Emphasis
- Psychology Second Teaching Field Emphasis
- Spanish Teaching Area Emphasis
- Spanish First Teaching Field Emphasis
- Spanish Second Teaching Field Emphasis

Bachelor of Arts, Elementary Education

Objective: To prepare students to teach in the elementary grades (K-8) and to meet certification requirements.

Administrator: Chair, Department of Education

ELEMENTARY PROGRAM REQUIREMENTS

Requirements: 54 credits in professional education; 31 other required credits, most of which also meet general education requirements.

Professional Education Courses:

- *EDUC1100. Introduction to Teaching (1)
- PSYC2110. Educational Psychology (3)
- EDUC2250. Cultural Diversity in Education (2)
- EDUC2750. Technology in the Classroom (3)
- *EDUC2960. Field Experience (1)
- EDUC3000. Mathematics Lab for Elementary Teachers (2)
- EDUC3150. Education of Exceptional Children (3)
- EDUC3240. Classroom Management in Elementary Schools (3)
- *EDUC3250. Fundamentals of Reading (3)
- *EDUC3260. Content Literacy in Elementary Classrooms (3)
- EDUC3310. Teaching English Language Learners (1)
- *EDUC3920. Foundations of Education (2)
- *EDUC4430. Teaching the Whole Child (1)
- *EDUC4440. Elementary Internship I (2)
- *EDUC4450. Elementary Internship II (11)
- *EDUC4460. Assessment and Intervention in Reading (3)
- *EDUC4540. Methods of Teaching Social Studies and Language Arts in the Elementary Classroom (4)
- *EDUC4550. Methods of Teaching Science and Mathematics in the Elementary Classroom (4)
- *EDUC4810. Elementary School Start-Up (1)
- *EDUC4950. Seminar/Capstone (1)

*Courses must be taken at Northwest Nazarene University.

Other Required Courses:

Literature

ENGL1030. University Writing and Research (3)

ENGL3015. Topics in Writing and Literature (3)

Or: any ENGL course with a W designation (3)

ENGL2120. English Grammar and Usage (2)

ENGL3740. Children's Literature (3)

History

U.S. History (3)

Non-U.S. History (3)

Mathematics

MATH2010. Fundamental Mathematical Structures I (3)

MATH2020. Fundamental Mathematical Structures II (3)

Social Science

GEOG1050. Introduction to Geography (3)

Natural Science

BIOL1010. Introduction to Biology (3); and

BIOL1010L. Introduction to Biology Lab (1)

PHYS1010. Introduction to Physical Science (3); and

PHYS1010L. Introduction to Physical Science Lab (1)

Program Certification Requirements:

To be recommended for elementary certification to the Idaho State Department of Education, a candidate must meet the following standards:

1. Complete all requirements for a baccalaureate degree.
2. Complete requirements of the teacher education program in effect at the time of admission to teacher education and any additional requirements if required by changes in the standards of state regulatory agencies.
3. Complete all education courses in the elementary major with a grade of B- (2.7) or better.
4. Maintain a 2.75 or better cumulative GPA.
5. Pass the PRAXIS II elementary multiple subjects test (#5031).
6. Pass the PRAXIS II middle school content area test.
7. Receive a favorable vote of the Teacher Education Council for recommendation for certification.

Completing an Idaho approved teacher education program will enable a candidate to be recommended for certification in other states. Deviations from the teaching major or certification requirements must be authorized by the Department Chair.

Note: For those interested in teaching elementary art, kinesiology, or music, see those sections under "Secondary Education," as these programs lead to K-12 certification.

English/Language Arts Middle School Content Area

Requirements: 24 credits; including 4 credits in methods; and 9 credits in liberal arts core

Liberal Arts:

*ENGL1030. University Writing and Research (3)

ENGL3015. Topics in Writing and Literature or W Elective (3)

*ENGL3740. Children's Literature (3)

One course selected from:

ENGL2210. American Literature: Colonial Period to the Civil War (3)

ENGL2220. American Literature: Civil War to the Present (3)

ENGL3210. Major Authors in American Literature (3)

ENGL3250. The American Novel (3)

One course selected from:

ENGL2310. British Literature: Beowulf through the Age of Reason (3)

ENGL2320. British Literature: The Romantic Age to the Present (3)

ENGL3310. Major Authors in British Literature (3)

ENGL3320W. Shakespeare (3)

ENGL3350. The British Novel (3)

One course selected from:

ENGL3020. Principles of Writing (3)

ENGL3040. Creative Writing - Prose (3)

ENGL3050. Creative Writing - Poetry (3)

Additional requirements:

*ENGL2120. English Grammar and Usage (2)

*EDUC4540. Methods of Teaching Social Studies and Language Arts (4)

*courses required in elementary education program

Math Middle School Content Area

Requirements: 24 credits; including 4 credits in methods; and 3 credits in liberal arts core

Liberal Arts:

*MATH2010. Fundamental Mathematical Structures I (3)

Required:

MATH1300. College Algebra or higher (3)

MATH1400. Trigonometry or higher (3)

*MATH2020. Fundamental Mathematical Structures II (3)

*EDUC3000. Mathematics Lab for Elementary Teachers (2)

MATH2240. Elementary Statistics or higher (3)

MATH2310. Discrete Mathematics (3)

*EDUC4550 Methods of Teaching Science and Mathematics (4)

*courses required in elementary education program

To pursue this area of emphasis, students must have an ACT math score of 23 or higher or an SAT score of 650 or higher.

Science Middle School Content Area

Requirements: 21 credits; including 4 credits in methods; and 8 credits in liberal arts core

Liberal Arts:

*BIOL1010. Introduction to Biology (3); **and**

*BIOL1010L. Introduction to Biology Lab (1)

*PHYS1010. Introduction to Physical Science (3); **and**

*PHYS1010L. Introduction to Physical Science Lab (1)

One course selected from:

CHEM1060. Chemistry for Citizens (3)

CHEM1040. Forensic Science (3)

PHYS1110. College Physics (3) (lab recommended)

BIOL3240. Plant and Animal Ecology (3)

Additional requirements:

PHYS1060. Astronomy (3)

BIOL1040. Environmental Science (3)

*EDUC4550. Methods of Teaching Science and Mathematics (4)

*required course in education program

Social Studies Middle School Content Area

Requirements: 22 credits; including 4 credits methods; and 12 credits in liberal arts core

Liberal Arts:

HIST1030. The World and the West I (3)

HIST2030. Conflict and Consensus: American History to 1877 (3)

*GEOG1050. Introduction to Geography (3)

POLS1010. American National Politics (3)

Required:

HIST1040. The World and the West II (3)

HIST2040. Conflict and Consensus: American History from 1877 (3)

*EDUC4540 Methods of Teaching Social Studies and Language Arts (4)

Recommended (one course selected from the following):

HIST3040. "Not the Dark Ages" (3)

HIST3480. Modern Europe (1800-Present) (3)

HIST3500. The Dragon and the Rising Sun (3)

*required course in education program

Bachelor of Arts, Special Education (K-12 Generalist)

Objective: To prepare candidates to teach in special education grades K-12 and to meet Special Education Generalist certification requirements.

Administrator: Chair, Department of Education

SPECIAL EDUCATION PROGRAM REQUIREMENTS

Requirements: 64 credits in professional education; 39 other credits, most of which also meet general education requirements.

Professional Education Courses:

- *EDUC1100. Introduction to Teaching (1)
- PSYC2110. Educational Psychology (3)
- EDUC2250. Cultural Diversity in Education (2)
- EDUC2750. Technology in the Classroom (3)
- *EDUC2960. Field Experience (1)
- EDUC3000. Mathematics Lab for Elementary Teachers (2)
- EDUC3150. Education of Exceptional Children (3)
- EDUC3240. Classroom Management in Elementary Schools (3)
- *EDUC3250. Fundamentals of Reading (3)
- *EDUC3260. Content Literacy in Elementary Classrooms (3)
- EDUC3310. Teaching English Language Learners (1)
- *EDUC3480. Designing and Implementing Effective Individualized Programs (3)
- *EDUC3760. Diagnosis and Remediation: Mild to Moderate (2)
- *EDUC3770. Diagnosis and Remediation: Severe to Profound (2)
- *EDUC3870. Assessment of Students with Disabilities (3)
- *EDUC3920. Foundations of Education (2)
- *EDUC4280. Positive Behavioral Supports (2)
- *EDUC4300. Community and Family Facilitation (2)
- *EDUC4430. Teaching the Whole Child (1)
- *EDUC4460. Assessment and Intervention in Reading (3)
- *EDUC4540. Methods of Teaching Social Studies and Language Arts in the Elementary Classroom (4)
- *EDUC4550. Methods of Teaching Science and Mathematics in the Elementary Classroom (4)
- *EDUC4580. Methods for Special Education (2)
- *EDUC4740. Student Teaching in Special Education (10-12)
- *EDUC4950. Seminar/Capstone (1)
- *Courses must be taken at Northwest Nazarene University

Other Required Courses:

Literature

- ENGL1030. University Writing and Research (3)
- ENGL3015. Topics in Writing and Literature (3)
- Or:** any ENGL course with a W designation (3)
- ENGL3740. Children's Literature (3)

Mathematics

- MATH2010. Fundamentals of Math Structures I (3)
- MATH2020. Fundamentals of Math Structures II (3)

Social Science

- PSYC2100. Lifespan Development (3)

Natural Science

- BIOL1010. Introduction to Biology (3); **and**
- BIOL1010L. Introduction to Biology Lab (1)
- PHYS1010. Introduction to Physical Science (3); **and**
- PHYS1010L. Introduction to Physical Science Lab (1)

History

- Non-U.S. History Elective (3)
- U.S. History Elective (3)

Program Certification Requirements:

To be recommended for an Idaho Standard Exceptional Child Special Education Generalist (K-12) certificate through the Idaho State Department of Education, a candidate must meet the following standards:

1. Complete all requirements for a baccalaureate degree.
2. Complete requirements of the teacher education program in effect at the time of admission to teacher education and any additional requirements if required by changes in the standards of state regulatory agencies.
3. Complete all education courses in the special education major with a grade of B- (2.7) or better.
4. Maintain a 2.75 or better cumulative GPA.
5. Pass the PRAXIS II elementary multiple subjects test (#5031).
6. Pass the PRAXIS II Special Education test: core knowledge and mild to moderate applications (#5543/#0543).
7. Receive a favorable vote of the Teacher Education Council for recommendation for certification.

Completing an Idaho approved teacher education program will enable a candidate to be recommended for certification in other states. Deviations from the teaching major or certification requirements must be authorized by the Department Chair.

Bachelor of Arts, Secondary Education

Objective: To prepare students to teach content courses in grades 6-12 (K-12 for Art, Kinesiology and Music) and meet the requirements for Idaho certification.

Administrators: Content Area Department Chairs; Director, Teacher Education; Chair, Department of Education

SECONDARY PROGRAM REQUIREMENTS:

Requirements: See specific content area below for courses and credits.

Professional Education Courses:

Professional education core (36 credits) including:

- *EDUC1100. Introduction to Teaching (1)
- PSYC2110. Educational Psychology (3)
- EDUC2250. Cultural Diversity in Education (2)
- EDUC2750. Technology in the Classroom (3)
- *EDUC2960. Field Experience (1)
- EDUC3150. Education of Exceptional Children (3) [Kinesiology Ed majors may substitute KINE3630]
- *EDUC3410. English Language Learners and Content Literacy in Secondary Classrooms (3)
- *EDUC3510. Teaching Methods in Secondary Classrooms (3) [Exempt: Music Ed Area majors]
- *EDUC3750. Classroom Management in Secondary Schools (2)
- *Special Methods Courses in first and second teaching fields or teaching area
- *EDUC3920. Foundations of Education (2)
- *EDUC4850. Secondary School Start-Up (1)
- *EDUC4950. Seminar/Capstone (1)
- *EDUC4860. Student Teaching in the Middle School/Junior High School (11); **or**,
- *EDUC4870. Student Teaching in the Senior High School (11)
- * Courses must be taken at Northwest Nazarene University.

Program Certification Requirements:

1. Complete all requirements for a baccalaureate degree.
2. Complete a subject teaching area emphasis of at least 45 semester credit hours as recommended by the subject department and approved by the Department of Education, or completion of a first teaching field emphasis of at least 30 semester credit hours and a second teaching field emphasis of at least 20 semester credit hours as recommended by the subject departments and approved by the Department of Education. These areas and fields include:
 1. Teaching areas: art, biology, chemistry, English, kinesiology, mathematics, music, Spanish.
 2. First teaching fields: biology, chemistry, English, history, kinesiology, mathematics, psychology, Spanish.
 3. Second teaching field: American government/political science, art, biology, chemistry, communication, economics, English, health, history, kinesiology, mathematics, music, physics, psychology, Spanish.
3. Complete requirements of the teacher education program in effect at the time of admission to teacher education and any additional requirements if required by changes in the standards of state regulatory agencies.
4. Complete all required education courses with a grade of B- (2.7) or better.
5. Complete all required content courses with a grade of C (2.0) or better.
6. Maintain a 2.75 or better cumulative GPA.
7. Pass the PRAXIS II content test(s) in teaching area or fields.
8. Receive a favorable vote of the Teacher Education Council for recommendation for certification.

Completing an Idaho approved teacher education program will enable a candidate to be recommended for certification in other states. Deviations from the teaching major or certification requirements must be authorized by the Department Chair.

Subject teaching areas and fields:

American Government/Political Science Second Teaching Field Emphasis

Requirements: 23 credits; including 2 credits in education methods

POLS1010. American National Politics (3)

POLS3410. American Political Thought and Ideology (3)

POLS3610. Comparative Politics (3)

HIST2030. Conflict and Consensus: American History to 1877 (3)

HIST2040. Conflict and Consensus: American History from 1877 (3)

EDUC3580. Methods of Teaching Social Studies in Secondary Schools (2)

Three credits in political science (3)

Select one of the following:

HIST1030. The World and the West I (3)

HIST1040. The World and the West II (3)

Art Teaching Area Emphasis (K-12)

Requirements: 40 credits of which 22 shall be numbered above 2999; including 4 credits in education methods

ARDE1020. 2D Design (3)
ARDE1040. Drawing 1 (3)
ARDE2010. 3D Design (3); **or**
 ARDE2050. Ceramics 1 (3)
ARDE2070. Figure Studies (3)
ARDE2410. Painting 1 (3)
ARDE2760. Photography 1 (3)
ARDE3060. Printmaking (3)
ARDE3250. Art History 1 (3)
ARDE3330. Teaching Art in the K-8 School (2)
ARDE3530. Teaching Art in the Secondary School (2)
ARDE3750. Art History 2 (3)
Nine credits in art numbered above 2999 (9)

Art Second Teaching Field Emphasis (K-12)

Requirements: 22 credits; including 4 credits in education methods

ARDE1020. 2D Design (3)
ARDE1040. Drawing 1 (3)
ARDE2010. 3D Design (3); **or**
 ARDE2050. Ceramics 1 (3)
ARDE2410. Painting 1 (3)
ARDE3330. Teaching Art in the K-8 School (2)
ARDE3530. Teaching Art in the Secondary School (2)
One course in art history numbered above 2999 (3)
Three credits in art numbered above 2999 (3)

Biology Teaching Area Emphasis

Requirements: 45 credits from the areas of biology and chemistry; including 2 credits in secondary science methods

BIOL2220. General Biology I (3); **and**
 BIOL2220L. General Biology I Laboratory (1)
BIOL2230. General Biology II (3); **and**
 BIOL2230L. General Biology II Laboratory (1)
BIOL2970. Intro to Research (1)
BIOL3160. Plant Taxonomy (3); **and**
 BIOL3160L. Plant Taxonomy Laboratory (1)
BIOL3240. Plant and Animal Ecology (3)
BIOL3640. Teaching Science in the Secondary School (2)
BIOL3720. Genetics (3); **and**
 BIOL3720L. Genetics Laboratory (1)
BIOL3740. Origins (3)
CHEM2210. General Chemistry I (3); **and**
 CHEM2210L. General Chemistry I Laboratory (1)
BIOL3300. Vertebrate Zoology: Ectotherms (3); **and**
 BIOL3300L. Vertebrate Zoology: Ectotherms Laboratory (1)
BIOL3320. Vertebrate Zoology: Endotherms (3); **and**
 BIOL3320L. Vertebrate Zoology: Endotherms Laboratory (1)
BIOL3360. Vertebrate Comparative Anatomy(3); **and**
 BIOL3360L. Vertebrate Comparative Anatomy Laboratory (1)
BIOL3620. Vertebrate Physiology (3); **and**
 BIOL3620L. Vertebrate Physiology Laboratory (1)

Biology First Teaching Field Emphasis

Requirements: 36 credits from the area of biology; including 2 credits in secondary science

BIOL2220. General Biology I (3); **and**

BIOL2220L. General Biology I Laboratory (1)

BIOL2230. General Biology II (3); **and**

BIOL2230L. General Biology II Laboratory (1)

BIOL3160. Plant Taxonomy (3); **and**

BIOL3160L. Plant Taxonomy Laboratory (1)

BIOL3240. Plant and Animal Ecology (3)

BIOL3640. Teaching Science in the Secondary School (2)

BIOL3720. Genetics (3); **and**

BIOL3720L. Genetics Laboratory (1)

BIOL3740. Origins (3)

BIOL3300. Vertebrate Zoology: Ectotherms (3); **and**

BIOL3300L. Vertebrate Zoology: Ectotherms Laboratory (1)

BIOL3320. Vertebrate Zoology: Endotherms (3); **and**

BIOL3320L. Vertebrate Zoology: Endotherms Laboratory (1)

One course and lab combination selected from:

BIOL3360. Vertebrate Comparative Anatomy(3); **and**

BIOL3360L. Vertebrate Comparative Anatomy Laboratory (1); **or**

BIOL3620. Vertebrate Physiology (3); **and**

BIOL3620L. Vertebrate Physiology Laboratory (1)

Biology Second Teaching Field Emphasis

Requirements: 29 credits in biology numbered 2000 or above; including 2 credits in secondary science methods

BIOL2220. General Biology I (3); **and**

BIOL2220L. General Biology I Laboratory (1)

BIOL2230. General Biology II (3); **and**

BIOL2230L. General Biology II Laboratory (1)

BIOL3160. Plant Taxonomy (3), **and**

BIOL3160L. Plant Taxonomy Laboratory (1)

BIOL3240. Plant and Animal Ecology (3)

BIOL3640. Teaching Science in the Secondary School (2)

BIOL3720. Genetics (3); **and**

BIOL3720L. Genetics Laboratory (1)

BIOL3300. Vertebrate Zoology: Ectotherms (3), **and**

BIOL3300L. Vertebrate Zoology: Ectotherms Laboratory (1)

BIOL3320. Vertebrate Zoology: Endotherms (3), **and**

BIOL3320L. Vertebrate Zoology: Endotherms Laboratory (1)

Chemistry Teaching Area Emphasis

Requirements: 47 credits of chemistry and related courses; and 2 credits in secondary science methods

BIOL2220. General Biology I (3); **and**

BIOL2220L. General Biology I Laboratory (1)

BIOL3640. Teaching Science in the Secondary School (2)

CHEM2210. General Chemistry I (3); **and**

CHEM2210L. General Chemistry I Laboratory (1)

CHEM2220. General Chemistry II (3); **and**

CHEM2220L. General Chemistry II Laboratory (1)

CHEM2610. Analytical Chemistry (3); **and**

CHEM2610L. Analytical Chemistry Laboratory (1)

CHEM3210. Organic Chemistry I (3); **and**

CHEM3210L. Organic Chemistry I Laboratory (1)

CHEM3220. Organic Chemistry II (3); **and**

CHEM3220L. Organic Chemistry II Laboratory (1)

CHEM3510. Thermodynamics and Kinetics (3)

CHEM3620. Integrated Laboratory I (1)

CHEM4610. Integrated Laboratory II (1)

*CHEM4970. Research (1-6)

CHEM4980. Senior Seminar/Capstone (1)

MATH1510. Survey of Calculus or higher (3)

PHYS1110. College Physics I (3); **and**

PHYS1110L. College Physics I Laboratory (1)

PHYS1120. College Physics II (3); **and**

PHYS1120L. College Physics II Laboratory (1)

One course selected from:

BIOL4410. Biochemistry I (3); **and**

BIOL4410L. Biochemistry I Laboratory (1)

CHEM3310. Inorganic Chemistry (3)

CHEM4710. Structure Elucidation (3)

12 credits in chemistry must be taken at NNU, including CHEM4970 and CHEM4980

* A maximum of six credits in CHEM4970 will be allowed toward the major

Chemistry First Teaching Field Emphasis

Requirements: 32 credits of chemistry and related courses; and 2 credits in secondary science methods

CHEM2210. General Chemistry I (3); **and**

CHEM2210L. General Chemistry I Laboratory (1)

CHEM2220. General Chemistry II (3); **and**

CHEM2220L. General Chemistry II Laboratory (1)

CHEM2610. Analytical Chemistry (3); **and**

CHEM2610L. Analytical Chemistry Laboratory (1)

CHEM3210. Organic Chemistry I (3); **and**

CHEM3210L. Organic Chemistry I Laboratory (1)

CHEM3220. Organic Chemistry II (3); **and**

CHEM3220L. Organic Chemistry II Laboratory (1)

CHEM3510. Thermodynamics and Kinetics (3)
 CHEM3620. Integrated Laboratory I (1)
 CHEM4610. Integrated Laboratory II (1)
 * CHEM4970. Research (1-6)
 CHEM4980. Senior Seminar/Capstone (1)
 MATH1510. Survey of Calculus or higher (3)
 BIOL3640. Teaching Science in the Secondary School (2)
12 credits in chemistry must be taken at NNU, including CHEM4970 and CHEM4980
 * A maximum of six credits in CHEM4970 will be allowed toward the major

Chemistry Second Teaching Field Emphasis

Requirements: 24 credits in chemistry; and 2 credits in secondary science methods
 BIOL3640. Teaching Science in the Secondary School (2)
 CHEM2210. General Chemistry I (3); **and**
 CHEM2210L. General Chemistry I Laboratory (1)
 CHEM2220. General Chemistry II (3); **and**
 CHEM2220L. General Chemistry II Laboratory (1)
 CHEM2610. Analytical Chemistry (3); **and**
 CHEM2610L. Analytical Chemistry Laboratory (1)
 CHEM3210. Organic Chemistry I (3); **and**
 CHEM3210L. Organic Chemistry I Laboratory (1)
 CHEM3220. Organic Chemistry II (3); **and**
 CHEM3220L. Organic Chemistry II Laboratory (1)
 CHEM3510. Thermodynamics and Kinetics (3)
 CHEM3620. Integrated Laboratory I (1)

Communication Second Teaching Field Emphasis

Requirements: 23 credits; including 2 credits in secondary methods
 COMM1010. Introduction to Communication (3)
 COMM2010. Small Group Communication (3)
 COMM2020. Media Systems and Literacy (3)
 COMM2030. Interpersonal Communication (3)
 COMM2600. Introduction to Performance (3)
 COMM3210. Advanced Public Speaking (3)
 COMM3650. Teaching Communication Studies in Secondary Schools (2)
One course selected from:
 COMM3420. Persuasion (3)
 COMM3500. Argumentation and Debate (3)

Economics Second Teaching Field Emphasis

Requirements: 21 credits; and 2 credits in secondary methods
 ECON2410. Microeconomic Analysis (3)
 ECON2420. Macroeconomic Analysis (3)
 ECON3010. Personal Finance and Stewardship (3)
 ECON3150. Managerial Economics (3)
 ECON3510. Money and Financial Institutions (3)
 ECON3770. Saving and Investing (3)
 ECON4050. Global Economics (3)
 HIST3580. Teaching Social Studies in the Secondary School (2)

English Teaching Area Emphasis

Requirements: 47 credits of which 26 shall be above 2999; including 3 credits in secondary methods

COMM2600. Introduction to Performance (3); **or**

ENGL2610. Introduction to Journalism (3)

ENGL2980. Introduction to the Study of Literature (1)

ENGL3010. Teaching English in Secondary Schools (3)

ENGL3120. Linguistics: Structure and History of English (3)

ENGL3320. Shakespeare (3)

ENGL3410. Greek and Roman Classics (3)

ENGL3510. Twentieth Century Poetry (3); **or**

ENGL3520. Twentieth Century Drama (3)

ENGL3910. Literary Criticism (3)

ENGL4980A. Senior Seminar in English (1)

Two courses selected from:

ENGL3020. Principles of Writing (3)

ENGL3040. Creative Writing - Prose (3)

ENGL3050. Creative Writing - Poetry (3)

Two courses selected from:

ENGL2210. American Literature: Colonial Period to the Civil War (3)

ENGL2220. American Literature: Civil War to the Present (3)

ENGL3210. Major Authors in American Literature (3)

ENGL3250. The American Novel (3)

ENGL4270. Minority Voices in American Literature (3)

One course selected from:

ENGL2310. British Literature: Beowulf through the Age of Reason (3)

ENGL2320. British Literature: The Romantic Age to the Present (3)

ENGL3350. The British Novel (3)

ENGL4350. British Poetry Before 1700 (3)

One course selected from:

ENGL2420. World Literature: The Ancient World to the Renaissance (3)

ENGL2430. World Literature: The Enlightenment to the Modern Era (3)

ENGL3420. Foreign Literature in Translation (3)

Two additional English courses (6)

Recommended: One year of foreign language (same language) (8)

English First Teaching Field Emphasis

Requirements: 32 credits of which 20 shall be above 2999; including 3 credits in secondary methods

ENGL2122. English Grammar and Usage/Linguistics and History (3)

ENGL2980. Introduction to the Study of Literature (1)

ENGL3010. Teaching English in Secondary Schools (3)

ENGL3320. Shakespeare (3)

ENGL3510. Twentieth Century Poetry (3); **or**

ENGL3520. Twentieth Century Drama (3)

ENGL4980A. Senior Seminar in English (1)

Two courses selected from:

- ENGL3020. Principles of Writing (3)
- ENGL3040. Creative Writing - Prose (3)
- ENGL3050. Creative Writing - Poetry (3)

One course selected from:

- ENGL2210. American Literature: Colonial Period to the Civil War (3)
- ENGL2220. American Literature: Civil War to the Present (3)
- ENGL3250. The American Novel (3)

One course selected from:

- ENGL2310. British Literature: Beowulf through the Age of Reason (3)
- ENGL2320. British Literature: The Romantic Age to the Present (3)
- ENGL3350. The British Novel (3)
- ENGL4350. British Poetry Before 1700 (3)

One course selected from:

- ENGL2420. World Literature: The Ancient World to the Renaissance (3)
- ENGL2430. World Literature: The Enlightenment to the Modern Era (3)
- ENGL3410. Greek and Roman Classics (3)
- ENGL3420. Foreign Literature in Translation (3)

One additional English course (3)

Recommended:

- One year of foreign language (same language) (8)
- COMM2600. Introduction to Performance (3); **or**
- ENGL2610. Introduction to Journalism (3)

English Second Teaching Field Emphasis

Requirements: 24 credits of which 9 shall be above 2999; including 3 credits in secondary methods

ENGL2122. English Grammar and Usage/Linguistics and History (3)

ENGL3010. Teaching English in Secondary Schools (3)

Two courses selected from:

- ENGL3020. Principles of Writing (3)
- ENGL3040. Creative Writing - Prose (3)
- ENGL3050. Creative Writing - Poetry (3)

One course selected from:

- ENGL2210. American Literature: Colonial Period to the Civil War (3)
- ENGL2220. American Literature: Civil War to the Present (3)
- ENGL3210. Major Authors in American Literature (3)
- ENGL3250. The American Novel (3)

Two courses selected from:

- ENGL2310. British Literature: Beowulf through the Age of Reason (3)
- ENGL2320. British Literature: The Romantic Age to the Present (3)
- ENGL3310. Major Authors in British Literature (3)
- ENGL3320. Shakespeare (3)
- ENGL3350. The British Novel (3)
- ENGL4340. Major Romantics and Victorians (3)

One course selected from:

- ENGL2420. World Literature: The Ancient World to the Renaissance (3)
- ENGL2430. World Literature: The Enlightenment to the Modern Era (3)
- ENGL3410. Greek and Roman Classics (3)

Health Second Teaching Field Emphasis

Requirements: 21 credits from kinesiology and related courses; including two 2 credits in secondary methods

KINE2430. Health Issues in Today's Society (3)

KINE2730. Nutrition Across the Lifespan (2)

KINE2960. Field Experience in Kinesiology (1)

KINE3350. Teaching Health in the Secondary Schools (2)

KINE3640. Biomechanics/Exercise Physiology (3)

KINE4560. Administration and Supervision of HPER (3)

One of the course and lab combinations selected from:

BIOL2010. Human Anatomy and Physiology I (3); **and**

BIOL2010L. Human Anatomy and Physiology I Laboratory (1)

BIOL2030. Human Anatomy and Physiology II (3); **and**

BIOL2030L. Human Anatomy and Physiology II Laboratory (1)

PSYC2110. Educational Psychology (3)

Other requirements:

Current First Aid/CPR certification (American Red Cross preferred)

History First Teaching Field Emphasis

Requirements: 32 credits of which 17 shall be numbered above 2999; including 2 credits in secondary methods

HIST1030. The World and the West I (3)

HIST1040. The World and the West II (3)

HIST2030. Conflict and Consensus: American History to 1877 (3)

HIST2040. Conflict and Consensus: American History from 1877 (3)

HIST3390. Recent America (3)

HIST3580. Teaching Social Studies in the Secondary School (2)

POLS1010. American National Politics (3)

Twelve credits in history numbered above 2999 (12)

History Second Teaching Field Emphasis

Requirements: 23 credits of which 8 credits shall be numbered above 2999; including 2 credits in secondary methods

HIST1030. The World and the West I (3)

HIST1040. The World and the West II (3)

HIST2030. Conflict and Consensus: American History to 1877 (3)

HIST2040. Conflict and Consensus: American History from 1877 (3)

HIST3390. Recent America (3)

HIST3580. Teaching Social Studies in the Secondary School (2)

POLS1010. American National Politics (3)

Three credits in history numbered above 2999 (3)

Kinesiology Teaching Area Emphasis (K-12)

Requirements: 48 credits; including 6 credits in education methods

BIOL2010. Human Anatomy and Physiology I (3); **and**

BIOL2010L. Human Anatomy and Physiology I Laboratory (1)

BIOL2030. Human Anatomy and Physiology II (3); **and**

BIOL2030L. Human Anatomy and Physiology II Laboratory (1)

KINE1310. Introduction to Recreation and Kinesiology (3)

KINE2410. Introduction to Athletic Training and Physical Therapy with Laboratory (3)

KINE2430. Health Issues in Today's Society (3)

KINE2640. Kinesiology Majors Activity Laboratory (1) 6 required

KINE2730. Nutrition Across the Lifespan (2)

KINE2960. Kinesiology Field Experience (1)

KINE3350. Teaching School Health (2)

KINE3360. Teaching PE in the Secondary Schools (2)

KINE3380. Teaching PE in the K-8 Schools (2)

KINE3560. Psychology and Techniques of Coaching (3)

KINE3600. Motor Development and Motor Learning (2)

KINE3630. Corrective and Adaptive PE (2)

KINE3640. Physiology of Exercise/Biomechanics (3)

KINE4520. Tests and Measurements in Physical Education (3)

KINE4560. Administration and Supervision of HPER (3)

Other requirements:

Current First Aid/CPR certification (American Red Cross preferred)

Completion of Lifeguard or Water Safety Instruction (WSI) certification

Successful completion of the Kinesiology Department Fitness Component Tests

Kinesiology First Teaching Field Emphasis (K-12)

Requirements: 38 credits; including 4 credits in education methods

KINE1310. Introduction to Recreation and Kinesiology (3)

KINE2410. Introduction to Athletic Training and Physical Therapy with Laboratory (3)

KINE2430. Health Issues in Today's Society (3)

KINE2640. Kinesiology Majors Activity Laboratory (1) 4 required

KINE2960. Field Experience in Kinesiology (1)

KINE3360. Teaching Physical Education in the Secondary Schools (2)

KINE3380. Teaching Physical Education in the K-8 Schools (2)

KINE3560. Psychology and Techniques of Coaching (3)

KINE3600. Motor Development and Motor Learning (2)

KINE3630. Corrective and Adaptive Physical Education (2)

KINE3640. Physiology of Exercise and Biomechanics (3)

KINE4520. Tests and Measurements in Physical Education (3)

KINE4560. Administration and Supervision of HPER (3)

One course and lab combination selected from:

BIOL2010. Human Anatomy and Physiology I (3); **and**

BIOL2010L. Human Anatomy and Physiology I Laboratory (1); **or**

BIOL2030. Human Anatomy and Physiology II (3); **and**

BIOL2030L. Human Anatomy and Physiology II Laboratory (1)

Other requirements:

Current First Aid/CPR certification (American Red Cross preferred)

Completion of Lifeguard or Water Safety Instruction (WSI) certification

Successful completion of the Kinesiology Department Fitness Component Tests

Kinesiology Second Teaching Field Emphasis (K-12)

Requirements: 30 credits; including 4 credits in education methods

KINE2410. Introduction to Athletic Training and Physical Therapy with Laboratory (3)

KINE2430. Health Issues in Today's Society (3)

KINE2640. Kinesiology Majors Activity Laboratory (1) 4 required

KINE3360. Teaching Physical Education in the Secondary Schools (2)

KINE3380. Teaching Physical Education in the K-8 Schools (2)

KINE3560. Psychology and Techniques of Coaching (3)

KINE3600. Motor Development and Motor Learning (2)

KINE3630. Corrective and Adaptive Physical Education (2)

KINE3640. Physiology of Exercise and Biomechanics (3)

KINE4520. Tests and Measurements in Physical Education (3)

KINE4560. Administration and Supervision of HPER (3)

Recommended:

BIOL2010. Human Anatomy and Physiology I (3); **and**

BIOL2010L. Human Anatomy and Physiology I Laboratory (1)

BIOL2030. Human Anatomy and Physiology II (3); **and**

BIOL2030L. Human Anatomy and Physiology II Laboratory (1)

Other requirements:

Current First Aid/CPR certification (American Red Cross preferred)

Completion of Lifeguard or Water Safety Instruction (WSI) certification

Successful completion of the Kinesiology Department Fitness Component Tests

Mathematics Teaching Area Emphasis

Requirements: 47 credits in mathematics (including COMP1220) of which 23 shall be numbered above 2999; and 4 credits in physics; and 2 credits in secondary methods

COMP1220. Introduction to Computer Science (3)

MATH2240. Elementary Statistics (3)

MATH2310. Discrete Mathematics (3)

MATH2510. Calculus I (4)

MATH2520. Calculus II (4)

MATH3100. History of Mathematics (1)

MATH3280. Modeling and Operations Research (3)

MATH3310. Introduction to Abstract Mathematics (3)

MATH3320. Linear Algebra (3)

MATH3410. Modern Geometry (3)

MATH3010. Teaching Mathematics in the Secondary School (2)

MATH4320. Modern Algebra (4)

MATH4510. Introduction to Real Analysis (4)

Seven mathematics elective credits (7)

One course and lab combination selected from:

PHYS1110. College Physics I (3); **and**

PHYS1110L. College Physics I Laboratory (1); **or**

PHYS2110. Physics for Science and Engineering I (3); **and**

PHYS2110L. Physics for Science and Engineering I Laboratory (1)

In addition to the above requirements, the student is required to complete a written subject examination in the field of Mathematics, e.g. ETS Major Field Test for Mathematics or *GRE* Subject Test for Mathematics.

Mathematics First Teaching Field Emphasis

Requirements: 34 credits in mathematics (including COMP1220) of which 15 shall be numbered above 2999; and 2 credits in secondary methods

COMP1220. Introduction to Computer Science (3)

MATH2240. Elementary Statistics (3)

MATH2310. Discrete Mathematics (3)

MATH2510. Calculus I (4)

MATH2520. Calculus II (4)

MATH3100. History of Mathematics (1)

MATH3280. Modeling and Operations Research (3)

MATH3310. Introduction to Abstract Mathematics (3)

MATH3320. Linear Algebra (3)

MATH3410. Modern Geometry (3)

MATH3010. Teaching Mathematics in the Secondary School (2)

MATH4320. Modern Algebra (4)

In addition to the above requirements, the student is required to complete a written subject examination in the field of Mathematics, e.g. ETS Major Field Test for Mathematics or *GRE* Subject Test for Mathematics.

Mathematics Second Teaching Field Emphasis

Requirements: 22-23 credits in mathematics; and 2 credits in secondary methods

MATH2010. Fundamental Mathematical Structures I (3)

MATH2240. Elementary Statistics (3)

MATH2310. Discrete Mathematics (3)

MATH2510. Calculus I (4)

MATH3320. Linear Algebra (3)

MATH3410. Modern Geometry (3)

MATH3010. Teaching Mathematics in the Secondary School (2)

One course selected from:

MATH2020. Fundamental Mathematical Structures II (3)

MATH2520. Calculus II (4)

MATH3280. Modeling and Operations Research (3)

MATH3310. Introduction to Abstract Mathematics (3)

Music Teaching Area Emphasis (K-12)

Requirements: 54 credits in music, including 8 credits in education methods; 8 credits in applied lessons

MUSC0200. Master Class (0)

MUSC0250. Concert/Recital Attendance (0)

MUSC0900. Fundamentals of Music (2)

MUSC1200. Beginning Music Theory I (2)

MUSC1210. Beginning Music Theory Laboratory I (1)

MUSC1220. Beginning Music Theory II (3)

MUSC1230. Beginning Music Theory Laboratory II (1)

MUSC1310. Digital Music and Technology (3)

MUSC2200. Intermediate Music Theory I (3)

MUSC2210. Intermediate Music Theory Laboratory I (1)

MUSC2220. Intermediate Music Theory II (3)
 MUSC2230. Intermediate Music Theory Laboratory II (1)
 MUSC2240. Improvisation (3)
 MUSC2350B. Brass Methods (1)
 MUSC2350P. Percussion Methods (1)
 MUSC2350S. Strings Methods (1)
 MUSC2350W. Woodwinds Methods (1)
 MUSC3210. Orchestration (3)
 MUSC3260. Music History: Medieval, Renaissance and Baroque (3)
 MUSC3270. Music History: Classic, Romantic and Modern (3)
 MUSC3450. Teaching Music in the Elementary School I (2)
 MUSC3460. Teaching Music in the Elementary School II (2)
 MUSC3470. Teaching Music in the Secondary School I (2)
 MUSC3480. Teaching Music in the Secondary School II (2)
 MUSC3620. Basic Conducting, Choral Methods and Materials (3)
 MUSC3630. Advanced Conducting, Instrumental Methods and Materials (3)
 MUSC4000. Music Capstone Seminar (1)
 MUSC4100. Forms and Analysis (3)
 Eight credits in applied lessons (8)
 Participation in ensembles (may be taken for credit)
 Half-recital in the senior year
 Keyboard proficiency shall be determined by examination before enrolling for student teaching.
 Students may acquire needed skills by taking applied piano.

Additionally Music-Education majors are required to:

1. participate in a minimum of one ensemble each semester;
2. participate four semesters in the major ensemble appropriate for their primary performance medium;
3. perform in both large and small instrumental ensembles appropriate to their particular instrument. All students whose applied performance area is instrumental will enroll in a small ensemble (chamber group, jazz combo, or similar ensemble) for at least one semester;
4. study privately each semester in their primary performance medium (voice or instrument) (additional fee required);
5. pass a juried examination in their performance medium each semester. A minimum of six examinations must be on file to qualify for graduation in music. Exceptions will only be by permission from the chair of the Music Department.
6. attend ten recitals or concerts during each semester.

Familiarization and compliance with music program policies as outlined in the *Music Program Handbook* is the student's responsibility. Copies are available in the Music Department office.

Note: Most students require more than 8 semesters to complete this program.

Music Second Teaching Field Emphasis (K-12)

Requirements: 28 credits; including 8 credits in education methods

MUSC0900. Fundamentals of Music (2)

MUSC1200. Beginning Music Theory I (2)

MUSC1210. Beginning Music Theory Laboratory I (1)

MUSC1220. Beginning Music Theory II (3)

MUSC1230. Beginning Music Theory Laboratory II (1)

MUSC1310. Digital Music and Technology (3)

MUSC3450. Teaching Music in the Elementary School I (2)

MUSC3460. Teaching Music in the Elementary School II (2)

MUSC3470. Teaching Music in the Secondary School I (2)

MUSC3480. Teaching Music in the Secondary School II (2)

MUSC3620. Basic Conducting, Choral Methods, and Materials (3)

Two credits in a performance medium, instrument, or voice (2)

Three credits numbered above 2999 selected in consultation with major advisor (3)

Other requirements:

1. Take MUSC1010 (A Survey of Art and Music) or other approved Music History course as part of general education requirements (3)

2. Keyboard proficiency shall be determined by examination before enrolling for student teaching. Students may acquire needed skills by taking applied piano.

Physics Second Teaching Field Emphasis

Requirements: 36 credits including 20 in physics; 14 credits in math; and 2 credits in secondary methods

PHYS2110. Physics for Science and Engineering I (3); **and**

PHYS2110L. Physics for Science and Engineering I Laboratory (1)

PHYS2120. Physics for Science and Engineering II (3); **and**

PHYS2120L. Physics for Science and Engineering II Laboratory (1)

PHYS2310. Instrumentation in Experimental Physics I (1)

PHYS2320. Instrumentation in Experimental Physics II (1)

PHYS3130. Modern Physics (3); **and**

PHYS3130L. Modern Physics Laboratory (1)

BIOL3640. Teaching Science in the Secondary School (2)

Two courses selected from:

PHYS3410. Analytic Mechanics (3) *

PHYS3510. Thermodynamics and Statistical Mechanics (3)

PHYS4610. Electricity and Magnetism (3) *

PHYS4720. Solid State Physics (3)

PHYS4810. Fundamentals of Quantum Mechanics (3)

The following math courses are required as they are pre/co-requisites to all the above physics courses:

MATH2510. Calculus I (4)

MATH2520. Calculus II (4)

MATH3530. Vector Calculus (3)

MATH3540. Differential Equations (3)

* These courses represent the areas typically taught in secondary schools.

Psychology First Teaching Field Emphasis

Requirements: 31 credits

PSYC1550. Introduction to Psychology (3)

PSYC2100. Lifespan Development (3)

PSYC3640. Experimental Design and Statistical Analysis I (3)

PSYC3640L. Experimental Design and Statistical Analysis Laboratory I (1)

PSYC4550. Social Psychology (3)

PSYC4650. Advanced Psychology (3)

PSYC4750. History of Systems of Psychology (2)

Four courses and one lab selected from:

PSYC3450. Abnormal Psychology (3)

PSYC3650. Experimental Design and Statistical Analysis II (3)

PSYC3650L. Experimental Design and Statistical Analysis Laboratory II (1)

PSYC3850. Biological Foundations of Behavior (3)

PSYC3850L. Biological Foundations of Behavior Laboratory (1)

PSYC4110. Psychology of Learning (3)

PSYC4110L. Psychology of Learning Laboratory (1)

PHIL3520. Philosophy of Science (3)

Psychology Second Teaching Field Emphasis

Requirements: 23 credits

PSYC1550. Introduction to Psychology (3)

PSYC2100. Lifespan Development (3)

PSYC3450. Abnormal Psychology (3)

PSYC3640. Experimental Design and Statistical Analysis I (3)

PSYC3640L. Experimental Design and Statistical Analysis Laboratory (1)

PSYC4550. Social Psychology (3)

Two courses and one lab selected from:

PSYC2550. Psychology of Motivation and Leadership (3)

PSYC3850. Biological Foundations of Behavior (3)

PSYC3850L. Biological Foundations of Behavior Laboratory (1)

PSYC4110. Psychology of Learning (3)

PSYC4110L. Psychology of Learning Lab (1)

PSYC4350. Personality Theory (3)

Spanish Teaching Area Emphasis

Requirements: 45 credits in Spanish of which 35 credits shall be numbered above 2999; including 2 credits in secondary methods

SPAN2010. Intermediate Spanish (4)

SPAN2020. Intermediate Spanish (4)

SPAN3010. Advanced Conversation and Composition (3)

SPAN3630. Teaching Foreign Language in the Secondary School (2)

SPAN4970. Senior Thesis (3)

29 credits with minimum of one course each from areas of Hispanoamerican civilization, literature, and linguistics:

One course selected from Spanish or Hispanoamerican civilization:

SPAN3094. Topics in Hispanic Culture, Literature, or Linguistics (3) cultural topic; **or**

SPAN3310. Hispanic Civilization (3) repeatable

One course selected from Spanish or Hispanoamerican literature:

SPAN3094. Topics in Hispanic Culture, Literature or Linguistics (3) literature topic; **or**

SPAN3510. Survey of Hispanic Literature (3) repeatable

One course selected from Spanish or Hispanoamerican linguistics:

SPAN3094. Topics in Hispanic Culture, Literature, or Linguistics (3) linguistics topic; **or**

SPAN3420. Introduction to Spanish Linguistics (3)

Twenty elective credits in Spanish which shall be numbered above 2999 (20)

Additionally, Spanish Teaching Area majors are required to do the following:

Cultural Immersion Experience:

30 hours documented service in the local Hispanic community (church, school, other organization)

Portfolio (4 major papers, including Senior Thesis, representing the areas of Hispanic linguistics, civilization, and literature)

Oral proficiency (ACTFL advanced level or better on modified oral proficiency examination)

Cultural Immersion Experience: Students who have not lived in a cultural setting where Spanish is the primary language are required to study, travel, or work in such a setting for an extended period of time. Examples of acceptable experiences are a college-level summer school session, or academic-year program in a school such as the Universidad Internacional (formerly Centro de Estudios Linguisticos y Multiculturales) in Cuernavaca, Mexico, or the Latin American Studies Program in San Jose, Costa Rica. Approved Off-Campus (OCAM prefix) courses or approved transfer courses from travel-study programs may be substituted for courses listed in the categories above. Prior approval of a travel-study program must be obtained from the chair of Psychology, Sociology, and Criminal Justice.

Spanish First Teaching Field Emphasis

Requirements: 30 credits of which 22 shall be numbered above 2999; including 2 credits in secondary methods

SPAN2010. Intermediate Spanish (4)

SPAN2020. Intermediate Spanish (4)

SPAN3010. Advanced Conversation and Composition (3)

SPAN3630. Teaching Foreign Language in the Secondary School (2)

One course selected from Spanish or Hispanoamerican linguistics:

SPAN3094. Topics in Hispanic Culture, Literature, or Linguistics (3) linguistics topic; **or**

SPAN3420. Introduction to Spanish Linguistics (3)

One course selected from Spanish or Hispanoamerican civilization:

SPAN3094. Topics in Hispanic Culture, Literature, or Linguistics (3) cultural topic; **or**

SPAN3310. Hispanic Civilization (3) repeatable

One course selected from Spanish or Hispanoamerican literature:

SPAN3094. Topics in Hispanic Culture, Literature or Linguistics (3) literature topic; **or**

SPAN3510. Survey of Hispanic Literature (3) repeatable

Eight credits in Spanish numbered above 2999 (8)

Additionally, Spanish Education majors are required to do the following:

1. Cultural immersion experience
2. Maintain a journal of cultural observations and resources related to their cultural immersion experience
3. Maintain a portfolio of 3 major papers representing the areas of linguistics, civilization, and literature
4. Demonstrate oral proficiency (ACTFL advanced level or better on a modified oral proficiency examination)

Cultural Immersion Experience: Students who have not lived in a cultural setting where Spanish is the primary language are required to study, travel, or work in such a setting for an extended period of time. Examples of acceptable experiences are a college-level summer school session, or academic-year program in a school such as the Universidad Internacional in Cuernavaca, Mexico, or the Latin American Studies Program in San Jose, Costa Rica. Approved Off-Campus (OCAM prefix) courses or approved transfer courses from travel-study programs may be substituted for courses listed in the categories above. Prior approval of a travel-study program must be obtained from the chair of Behavioral Sciences and Cultural Studies.

Spanish Second Teaching Field Emphasis

Requirements: 22 credits of which 3 shall be numbered above 2999; including 2 credits in secondary methods

SPAN2010. Intermediate Spanish (4)

SPAN2020. Intermediate Spanish (4)

SPAN3310. Hispanic Civilization (3) repeatable

SPAN3420. Introduction to Spanish Linguistics (3)

SPAN3510. Survey of Hispanic Literature (3) repeatable

SPAN3630. Teaching Foreign Language in the Secondary School (2)

Three credits in Spanish numbered above 2999 (3)

Additional requirements:

1. Cultural immersion experience
2. Journal of cultural experiences and resources
3. Portfolio of 3 major papers representing linguistics, civilization and literature
4. Demonstrate oral proficiency

Department of History and Political Science

Faculty: Christian Esh (Department Chair), Alan Wheatley, Stephen Shaw

Learning Objectives:

1. To help students acquire academic and intellectual expertise in their respective disciplines and majors; (Academic Excellence)
2. To assist students in the development and application of their skills of critical analysis and research, creativity, and communication consistent with a Christian liberal arts education; (Academic Excellence and Creative Engagement)
3. To develop scholar-servants who are enlightened and engaged citizens, and who display a Christlike passion to promote justice, seek peace, and pursue tolerance in their communities; (Creative Engagement, Social Responsiveness, and Christlike Character)
4. To promote learning as a life-long skill and interest that will enable students to apply their talents professionally and to experience a deeply-rooted sense of challenge and fulfillment in their lives. (Creative Engagement and Social Responsiveness)

Majors

Bachelor of Arts, History

Bachelor of Arts, International Studies

Bachelor of Arts, Political Science

History Education

See Secondary Education: History First Teaching Field, History Second Teaching Field

Minors

History

Political Science

Pre-Professional Program

Pre-Law

Bachelor of Arts, History

The department holds to the belief that the study of history is an essential component of a high quality education. Historical study develops and sharpens the mind by training students to think, to evaluate, to communicate and ultimately to judge, all valuable skills for most professional careers.

Administrator: Chair, Department of History and Political Science

Requirements: 42-44 credits: 36 in history of which 24 shall be numbered above 2999

HIST1030. The World and the West I (3)

HIST1040. The World and the West II (3)

HIST2030. Conflict and Consensus: American History to 1877 (3)

HIST2040. Conflict and Consensus: American History from 1877 (3)

HIST4970. Senior Research and Thesis (3)

One year of foreign language(same language, either modern or classical) (6-8)

Twenty-one credits in history numbered above 2999 (21)

Bachelor of Arts, International Studies

The International Studies major provides the student with an understanding of international affairs through study of modern language, intercultural communication skills, business and international commerce, and the social and political realities which exist outside the United States. The major also develops in students critical liberal arts skills, such as written and oral communication, and critical thinking; and encourages students to seek solutions to contemporary problems through the application of personal and Christian values. Most of the career choices in this area, such as diplomacy, law, international finance, bilingual service, international ministry, and others, require advanced degrees or further specialized training.

Requirements: 60-62 credits from the departments of Behavioral Sciences, Business and Economics, History and Political Science, Religion; and a study abroad experience

ECON2420. Macroeconomic Analysis (3)

GEOG1050. Introduction to Geography (3)

HIST1030. The World and the West I (3); **or**,

HIST1040. The World and the West II (3)

HIST3480. Modern Europe (1800-Present) (3)

POLS1030. The Foundations of Politics: The Quest for Peace and Justice (3)

POLS1050. Introduction to International Relations (3)

POLS3330. U.S. Foreign Policy (3)

POLS3610. Comparative Politics (3)

POLS4560. International Peace and Global Governance (3)

POLS4970. Senior Thesis (3)

POLS4980. Seminar in International Studies (3)

REST3560. World Religions: Asian Traditions (2)

REST3570. World Religions: Western Traditions (2)

SOGY2250. Issues of Developing Nations I (3); **or**,

SOGY3250. Issues of Developing Nations II (3)

Two years of a modern foreign language (14-16)

Six Credits numbered above 2999 from the following areas:

Economics

Foreign Language

Political Science

HIST3490. Modern Africa; **or**

HIST3500. The Dragon and the Rising Sun

Study abroad is required of all International Studies majors.

Bachelor of Arts, Political Science

Political science is the systematic study of government, public policy, and the political behavior of individuals and groups. This study develops and sharpens the mind and encourages students to seek solutions to contemporary public problems in relation to personal and Christian values.

Administrator: Dr. Steve Shaw

Requirements: 47 credits: 39 in political science of which 30 shall be numbered above 2999

POLS1010. American National Politics (3)

POLS1030. The Foundations of Politics: The Quest for Peace and Justice (3)

POLS1050. Introduction to International Relations (3)

POLS3410. American Political Thought and Ideology (3)

POLS3520. Theories of Politics (3)

POLS3610. Comparative Politics (3)

POLS4960. Internship in Political Science (3)

POLS4970. Senior Thesis (3)

One year of modern foreign language (same language) (8)

Fifteen credits in political science numbered above 2999 (15)

Minor, History

The minor in history provides a history program to students majoring in areas other than history. Through representative courses, students will be encouraged to develop communication, critical thinking, and writing skills.

Administrator: Chair, Department of History and Political Science

Requirements: 21 credits of which 15 shall be numbered above 2999

HIST1030. The World and the West I (3); **or**,

HIST1040. The World and the West II (3)

HIST2030. Conflict and Consensus: American History to 1877 (3); **or**

HIST2040. Conflict and Consensus: American History from 1877 (3)

Fifteen credits in history numbered above 2999 (15)

Minor, Political Science

The Political Science minor provides an introduction to the study of political behavior for students majoring in disciplines other than political science. Students will develop an appreciation for the political nature of our individual and collective existence and will develop and apply critical liberal arts skills, such as written and oral communication, and critical thinking.

Administrator: Chair, Department of History and Political Science

Requirements: 21 credits of which 12 shall be numbered above 2999

POLS1010. American National Politics (3)

POLS1030. The Foundations of Politics: The Quest for Peace and Justice (3)

POLS1050. Introduction to International Relations (3)

Twelve credits in political science numbered above 2999 (12)

Pre-Professional Program - Pre-Law

Administrator: Stephen Shaw

The Association of American Law Schools recommends no prescribed pre-law program, but suggests that students pursue work in courses that require disciplined and logical thought, and clear and careful communication, especially lucid writing. NNU's rigorous liberal arts education is ideal training for law school and the legal profession; any liberal arts major is excellent preparation, but students may find programs in economics, history, literature, mathematics, philosophy, political science, psychology, science, and sociology quite relevant. Students should note that the precise use of English is increasingly stressed in the Law School Aptitude Test (LSAT). The pre-law advisor, Dr. Stephen Shaw of the Department of History and Political Science, actively assists students in preparing for law school. Recent graduates have attended law schools throughout the United States.

Department of Kinesiology

Faculty: Scott Kinnaman, Roger Schmidt

Learning Objectives:

1. Graduates of the department and general education students will be able to think critically and assess wellness benchmarks in order to increase awareness of personal wellness level competencies. (Academic Excellence and Social Responsiveness)
2. Graduates of the department will demonstrate current methods in leadership, management, and coaching techniques within respective professional employment environments. (Creative Engagement and Social Responsiveness)
3. Graduates of the department will utilize and implement knowledge of the human body and its movement function within a recreational and/or an athletic setting in order to adapt and improve physical performance. (Academic Excellence and Social Responsiveness)
4. Graduates of the department will be able to use a variety of information technologies, internships, field experiences, and student teaching experiences to help develop their personal style of leadership and instruction for future endeavors. (Creative Engagement and Social Responsiveness)
5. Graduates of the department will be aware of the current health issues within the context of a complex societal environment. Graduates will understand issues of integrity and faith and the value these areas add to their profession. (Christlike Character)

Majors

Bachelor of Arts, Recreation and Sport Management

Athletic Training Emphasis

Kinesiology/Coaching Emphasis

Sport Management Emphasis

Outdoor Recreation Emphasis

Kinesiology Education

See Secondary Education: Kinesiology Teaching Area, Kinesiology First Teaching Field, Kinesiology Second Teaching Field

Bachelor of Arts, Recreation and Sport Management

Administrator: Chair, Kinesiology Department

Requirements: 49-50 credits, including completion of core courses (34 credits) and one area of emphasis (14-16 credits), 31 credits in Kinesiology of which 15 shall be numbered above 2999. All majors are required to pass fitness component tests as set forth by the Kinesiology Department.

Core courses:

BSNS3640. Principles of Management (3)
KINE1310. Introduction to Recreation and Kinesiology (3)
KINE2640. Kinesiology Majors Activity Laboratory (1) (6 credits required)
KINE2750. Outdoor Pursuits (2)
KINE2850. Camp Administration and Outdoor Education (3)
KINE2960. Field Experience in Kinesiology (1)
KINE3630. Corrective and Adaptive Physical Education (2)
KINE3640. Physiology of Exercise and Biomechanics (3)
KINE3960. Field Experience in Kinesiology/Recreation (1)
KINE4860. Recreation Management and Facilities Planning (3)
KINE4960a. Recreation and Sport Internship (3)
KINE4960b. Recreation and Sport Internship (3)
KINE4970. Senior Capstone (1)

All Recreation Sport Management majors must present evidence of successful completion of a First Aid/CPR course (American Red Cross preferred) and lifeguard or Water Safety Instruction (WSI) certification to the Kinesiology Department Chair prior to graduation.

All Recreation Sport Management majors are required to pass fitness component tests as set forth by the Kinesiology Department prior to graduation.

Athletic Training Emphasis

*This area of emphasis is not a NATA (National Athletic Trainers Association) curriculum approved course of study. Students pursuing an Athletic Training emphasis are encouraged to consider an approved graduate degree program in athletic training in order to qualify to take the NATA certifying examination.

Select 15-16 credits from the following courses:

BIOL2010. Human Anatomy and Physiology I (3); **and**,
BIOL2010L. Human Anatomy and Physiology I Laboratory (1)
BIOL2030. Human Anatomy and Physiology II (3); **and**,
BIOL2030L. Human Anatomy and Physiology II Laboratory (1)
KINE1960. Clinical Observation (1)
KINE2410. Introduction to Athletic Training and Physical Therapy with Laboratory (3)
KINE2430. Health Issues in Today's Society (3)
KINE2730. Nutrition Across the Lifespan (2)
KINE3440. Advanced Athletic Training (3)
KINE3600. Motor Development and Motor Learning (2)
KINE4560. Administration and Supervision of HPER (3)

Kinesiology/Coaching Emphasis

Select 14-16 credits from the following courses:

BIOL2010. Human Anatomy and Physiology I (3); **and**,
BIOL2010L. Human Anatomy and Physiology I Laboratory (1)
KINE2410. Introduction to Athletic Training and Physical Therapy with Laboratory (3)
KINE2730. Nutrition Across the Lifespan (2)
KINE3380. Teaching Physical Education in the Elementary Schools (2)
KINE3440. Advanced Athletic Training (3)
KINE3560. Psychology and Techniques of Coaching (3)
KINE3600. Motor Development and Motor Learning (2)
KINE4560. Administration of HPERD (3)

Sport Management Emphasis

Select 15 credits from the following courses:

ACCT2060. Financial Accounting (3)
BSNS2170. Computer Applications in Business (3)
BSNS3510. Principles of Marketing (3)
BSNS3530. Marketing Communications (3)
BSNS3650. Human Resource Management (3)
BSNS3810. Business Ethics (3)
BSNS4610. Entrepreneurship (3)
BSNS4670. Organizational Behavior (3)
ECON2410. Microeconomic Analysis (3)

Outdoor Recreation Emphasis

Select 14-16 credits from the following courses:

BIOL1030. Earth Science (3); **and**,
BIOL1030L. Earth Science Laboratory (1)
BIOL1040. Environmental Science (3)
BIOL3160. Plant Taxonomy (3); **and**,
BIOL3160L. Plant Taxonomy Laboratory (1)
BIOL3240. Plant and Animal Ecology (3)
BIOL3300. Vertebrate Zoology: Ectotherms (3); **and**,
BIOL3300L. Vertebrate Zoology: Ectotherms Laboratory (1)
BIOL3320. Vertebrate Zoology: Endotherms (3); **and**,
BIOL3320L. Vertebrate Zoology: Endotherms Laboratory (1)
BIOL3340. Birds of Prey (3)
CHEM1040. Forensic Science (3); **and**,
CHEM1040L. Forensic Science Laboratory (1)
CHEM1060. Chemistry for Citizens (3); **and**,
CHEM1060L. Chemistry for Citizens Laboratory (1)
KINE4094. Special Topics in Kinesiology (1-4)
PHYS1060. Descriptive Astronomy (3); **and**,
PHYS1060L. Descriptive Astronomy Laboratory (1)

Department of Language, Literature, and Cultural Studies

Faculty: David Blowers, Darrin Grinder, Kevin Dennis, Ben Earwicker, Benjamin Fisher, Julie Straight, Devon Van Essen, Joe Willey

Since scholars in the ancient world studied the *Iliad*, when Talmudic scholars studied the Torah, or as we translate the stories of indigenous peoples, the studies of language, literature, and cultures have been connected nearly seamlessly. Texts are alive in many media: the ways we build our homes, the ways we speak with each other, the ways we rear our children, the ways we approach the divine. In this department we seek to maintain these connections and encourage the studies of the way we talk, write, think, create, and live to enrich and inform one another in a challenging, nurturing, and vibrant environment. If you like to read, write, listen, create as a community of poets, scholars, travelers, and adventurers, this can be your academic home.

Learning Objectives:

1. Graduates of the department and general education students will be able to think critically, express themselves clearly, research successfully, and develop an appreciation for the medium of language through a variety of writing experiences.
2. Graduates of the department and general education students read and discuss masterpieces of Western and World literature, emphasizing how the works relate to the world in which they were created and how they relate to the reader and world today.
3. Graduates of the department and general education students will have a concrete knowledge of authors and their literary works, understanding the author and work's place in the culture from which they arose and in the literary world as a whole.

Majors

Bachelor of Arts, Cultural Studies

Bachelor of Arts, English

Bachelor of Arts, Spanish

English Education

See Secondary Education: English Teaching Area, English First Teaching Field, English Second Teaching Field

Minors

Cultural Studies

Literature

Professional Writing

Spanish

English as a Second Language Program (ELI)

Bachelor of Arts, Cultural Studies

Cultural studies majors at NNU provide students with a broad, functional understanding of inter-cultural communication and the comparative study of culture. The discipline of Cultural Studies has evolved out of literary and critical theory, and the Bachelor of Arts in Cultural Studies at NNU is distinctive in its emphasis of cross-cultural understanding, inter-cultural communication, and bridging cultural gaps through dialogue and critical self-reflection. Cultural studies at NNU draws on other departmental areas of expertise to meet our learning objectives. Specifically, cultural studies majors acquire knowledge of inter- and intra-personal processes, statistics, and research design through psychology. Optional Spanish language study, cross-cultural field experiences locally and abroad, and exposure to Spanish and Latin American cultures also provide students with opportunities for applied study and research.

In addition to their learning of important theoretical framework and approaches in cultural studies, major students will acquire a number of practical, inter-cultural skills. Students will gain cultural competence in part through their understanding of social, political, religious, economic, and other cultural texts.

Administrator: Chair, Department of Language, Literature, and Cultural Studies

Learning Objectives:

1. Graduates of this emphasis will be able to critically and thoughtfully analyze texts from a variety of perspectives, and will demonstrate comprehensive understanding of ethnicity, social aspects of religion, gender, and class. (Creative Engagement and Social Responsiveness)
2. Graduates of this emphasis and general education students will be able to use a variety of information technologies to research topics in the literature of related fields. (Academic Excellence)
3. Graduates of the emphasis and general education students will be able to identify the major theoretical perspectives and contributors to the discipline. (Academic Excellence)
4. Graduates of this emphasis and general education students will reflect critically on their own cultural values and traditions. Graduates will learn to compare and contrast their own cultures with those studied throughout the major program. (Social Responsiveness, Creative Engagement, Christlike Character)

Requirements: 55 credits: 26 core credits of which 18 shall be numbered above 2999 and the cultural immersion experience for major students

CRIM3550. Criminology (3); **or**

CRIM3200. Juvenile Justice (3)

POLS1050. Introduction to International Relations (3)

PSYC1550. Introduction to Psychology (3)

SOGY1550. Introduction to Sociology (3)

SOGY2030. Cultural Anthropology (3)

SOGY2430. Social Problems in Modern Society (2)

SOGY3030. Ethnography: Exploring Intercultural Dynamics (3)

SOGY3180. Race, Class and Gender (3)

SOGY3250. Issues of Developing Nations II (3)

SOGY3340. Sociology of the Family (3)

SOGY3550. Sociology of Religion (3)

One course selected from:

ENGL3420. Foreign Literature in Translation (3)

ENGL4270. Minority Voices in American Literature (3)

POLS3520. Theories of Politics (3)

POLS3610. Comparative Politics (3)

One course selected from:

- HIST3250. History of American Culture (3)
- HIST3330. US Foreign Policy (3)
- HIST3390. Recent America (3)
- HIST3440. History of Christianity in America (3)

One year of a modern foreign language (same language) (8)

Nine credits in cultural studies, psychology, or sociology numbered above 2999 (9)

Cultural Immersion Experience for Major Students: Students majoring in Cultural Studies who have not lived in a cross-cultural setting different from their own culture(s) are required to study in such a setting for an extended period of time. Examples of acceptable experiences are a college-level summer school session or academic-year program at an international school recognized by Northwest Nazarene University. Approved Off-Campus (OCAM prefix) courses or approved transfer courses from travel-study programs may be substituted for courses listed in the categories above. Prior approval of a travel-study program must be obtained from the chair of the department.

Bachelor of Arts, English

The English major offers students an opportunity to experience representative American, British, and world literature; to discover and develop an appreciation of ideas and values; to cultivate critical thinking; to develop a knowledge of the English language and its operation; and to strengthen writing skills.

Administrator: Chair, Department of Language, Literature and Cultural Studies

Learning Objectives:

1. Graduates of the department and general education students will be able to think critically, express themselves clearly, research successfully, and develop an appreciation for the medium of language through a variety of writing experiences. (Academic Excellence)
2. Graduates of the department and general education students read and discuss masterpieces of Western and World literature, emphasizing how the works relate to the world in which they were created and how they relate to the reader and world today. (Creative Engagement, Social Responsiveness)
3. Graduates of the department and general education students will have a concrete knowledge of authors and their literary works, understanding the author and work's place in the culture from which they arose and in the literary world as a whole. (Creative Engagement, Social Responsiveness)

Requirements: 38 credits of which 25 shall be numbered above 2999 and foreign language equivalent

ENGL2310. British Literature: Beowulf through the Age of Reason (3)

ENGL2980. Introduction to the Study of Literature (1)

ENGL3120. Linguistics (3)

ENGL3320. Shakespeare (3)

ENGL3410. Greek and Roman Classics (3)

ENGL3510. Twentieth Century Poetry (3); **or**,

ENGL3520. Twentieth Century Drama (3)

ENGL3910. Literary Criticism (3)

ENGL4980A. Senior Seminar in English (1)

Two courses selected from:

- ENGL2210. American Literature: Colonial Period to the Civil War (3)
- ENGL3210. Major Authors in American Literature (3)
- ENGL3250. The American Novel (3)

One course selected from:

- ENGL3310. Major Authors in British Literature (3)
- ENGL3350. The British Novel (3)
- ENGL4340. Major Romantics and Victorians (3)

One course selected from:

- ENGL2420. World Literature: The Ancient World to the Renaissance (3)
- ENGL2430. World Literature: The Enlightenment to the Modern Era (3)
- ENGL3420. Foreign Literature in Translation (3)

Six elective credits in English (excluding ENGL1030) (6)

The equivalent of one year's skill in a foreign language, met by successful completion of one year of foreign language study or by successful completion of a language skills test

Recommended: A second year of modern foreign language study

Bachelor of Arts, Spanish

The major in Spanish provides students the opportunity to learn increasingly complex Spanish grammar and language through speaking, reading, writing, and listening to Spanish; to use technology and cultural exercises to enlarge understanding of the Hispanic world; and to gain a larger worldview through the process of language learning.

Administrator: Chair, Department of Language, Literacy and Cultural Studies

Learning Objectives:

1. Graduates of this emphasis will gain practical language proficiency in the Spanish language, including proficiency in reading, writing, speaking, and listening to the language. (Academic Excellence)
2. Graduates of this emphasis will develop intercultural sensitivity. They will study the language, literature, history, and culture of Spanish speaking peoples, and learn to constructively engage them in meaningful dialogue, mutually beneficial social relationships, and professional interactions in a wide range of academic disciplines and fields of study. (Academic Excellence, Christlike Character, Creative Engagement, Social Responsiveness)
3. Graduates of this emphasis and general education students will acquire cultural competency and learn to understand the concept of culture from a variety of perspectives. Graduates will learn to experience culture in a personal and subjective manner, at the same time that they learn to objectively analyze Latin American and Spanish cultures. (Academic Excellence, Social Responsiveness, Creative Engagement)
4. Graduates of this emphasis and general education students will reflect critically on their own cultural values and traditions. Graduates will learn to compare and contrast their own cultures with those studied. (Social Responsiveness, Creative Engagement)

Requirements: 49-52 credits: 40 credits in Spanish of which 32 shall be numbered above 2999

- SPAN2010. Intermediate Spanish (4)
- SPAN2020. Intermediate Spanish (4)
- SPAN3010. Advanced Conversation and Composition (3)
- SPAN4970. Senior Thesis (3)

One course selected from Spanish or Hispanoamerican civilization:

SPAN3310. Hispanic Civilization (3) (may be repeated); **or**,

SPAN3094. Topics in Hispanic Culture, Literature or Linguistics (3) (may be repeated)
(cultural topic)

One course selected from Spanish or Hispanoamerican Literature:

SPAN3510. Survey of Hispanic Literature (3) (may be repeated); **or**,

SPAN3094. Topics in Hispanic Culture, Literature or Linguistics (3) (may be repeated)
(literature topic)

Twenty credits in Spanish which shall be numbered above 2999 (20)

Two courses in history, political science, or sociology (6)

One course in American literature, world literature, or philosophy (3)

Additionally, Spanish majors are required to do the following:

30 hours documented service in the local Hispanic community (church, school, other organization)

Portfolio (4 major papers, including the Senior Thesis, representing the areas of Hispanic civilization, literature, and linguistics)

Oral proficiency (ACTFL advanced level or better on modified oral proficiency examination)

Cultural Immersion Experience:

Students who have not lived in a cultural setting where Spanish is the primary language are required to study, travel, or work in such a setting for an extended period of time. Examples of acceptable experiences are a college-level summer school session, or an academic-year program in a school such as the Universidad Internacional in Cuernavaca, Mexico, or the Latin American Studies Program in San Jose, Costa Rica. Approved Off-Campus (OCAM prefix) courses or approved transfer courses from travel-study programs may be substituted for courses listed in the categories above. Prior approval of a travel-study program must be obtained from the chair of the department.

Minor, Cultural Studies

The minor in cultural studies provides students majoring in areas other than cultural studies the opportunity to enhance their understanding of cultural and sociological concepts and deepen their appreciation of diverse cultural expressions.

Administrator: Chair, Department of Language, Literature, and Cultural Studies

Requirements: 22 credits, of which 10 shall be numbered above 2999, and the cultural immersion experience for minor students

ENGL3420. Foreign Literature in Translation (3), **or**

ENGL4270. Minority Voices in American Literature

SOGY1550. Introduction to Sociology (3)

SOGY2030. Cultural Anthropology (3)

SOGY3180. Race, Class, and Gender (3)

One course selected from:

SOGY2250. Issues of Developing Nations I (3)

SOGY3250. Issues of Developing Nations II (3)

SOGY3550. Sociology of Religion (3)

One or two semesters of a modern foreign language (4-8) (same language)

Three-four credits in cultural studies numbered above 2000 (3-4)

Cultural Immersion Experience for Minor Students: Students who have not lived in a cross-cultural setting different from their own culture(s) are required to study in such a setting for a brief period of time. Examples of acceptable experiences are a four-week college-level summer school session, or similar program at an international school recognized by Northwest Nazarene University. Approved Off-Campus (OCAM prefix) courses or approved transfer courses from travel-study programs may be substituted for courses listed in the categories above. Prior approval of a travel-study program must be obtained from the chair of the department.

Minor, Literature

The minor in literature provides a literature program to students majoring in areas other than English. Students will learn how to read and appreciate literature. They will receive an introduction to the historical breadth of one world area, and read more deeply in each of the three: American, British, and world literature.

Administrator: Chair, Department of Language, Literature and Cultural Studies

Requirements: 19 credits of which 12 shall be above 2999

ENGL2980. Introduction to the Study of Literature (1)

ENGL3320. Shakespeare (3)

Six emphasis credits (6)

ENGL2210. American Literature: Colonial Period to the Civil War (3); **and,**

ENGL2220. American Literature: Civil War to the Present (3); **or,**

ENGL2310. British Literature: Beowulf through the Age of Reason(3); **and,**

ENGL2320. British Literature: The Romantic Age to the Present (3); **or,**

ENGL2420. World Literature: The Ancient World to the Renaissance (3); **and,**

ENGL2430. World Literature: The Enlightenment to the Modern Era (3)

One course selected from each of the following groups:

American Literature

ENGL3210. Major Authors in American Literature (3)

ENGL3250. The American Novel (3)

British Literature

ENGL3310. Major Authors in British Literature (3)

ENGL3350. The British Novel (3)

ENGL4340. Major Romantics and Victorians (3)

World Literature

ENGL3410. Greek and Roman Classics (3)

ENGL3420. Foreign Literature in Translation (3)

Minor, Professional Writing

The minor provides students an introduction to the opportunities in print journalism. Students will learn the principles of professional writing and will have the opportunity to develop writing skills in a variety of creative modes. English majors will not be able to count English courses taken for their major.

Administrator: Chair, Department of Language, Literature and Cultural Studies

Requirements: 21 credits of which 12 shall be above 2999

ENGL2610. Introduction to Journalism (3)

ENGL3020. Principles of Writing (3)

ENGL3040. Creative Writing - Prose (3)

ENGL3050. Creative Writing - Poetry (3)

ENGL3960. Internship in Professional Writing (3)

Two courses selected from:

COMM1420. Introduction to Public Relations (3)

COMM2250. Introduction to Scriptwriting (3)

COMM3250. Advanced Screenwriting (3)

Minor, Spanish

The minor in Spanish provides students majoring in areas other than Spanish the opportunity to acquire practical language proficiency, intercultural sensitivity and cultural knowledge; to gain appreciation of the cultural contributions of Spanish-speaking peoples; and to reflect critically on their own cultural values.

Administrator: Chair, Department of Language, Literature and Cultural Studies

Requirements: 20 credits of which 12 shall be numbered above 2999

SPAN2010. Intermediate Spanish (4)

SPAN2020. Intermediate Spanish (4)

Twelve credits in Spanish numbered above 2999 representing two of the following areas (12)

Culture (including history and civilization)

Linguistics

Literature

Cultural Immersion Experience: Students who have not lived in a cross-cultural setting different from their own culture(s) are required to study in such a setting for a brief period of time. Examples of acceptable experiences are a four-week college-level summer school session, or a similar program at an international school recognized by Northwest Nazarene University. Approved Off-Campus (OCAM prefix) courses or approved transfer courses from travel-study programs may be substituted for courses listed in the categories above. Prior approval of a travel-study program must be obtained from the chair of the department.

English Language Institute (ELI)

Mission Statement

The mission of the English Language Institute (ELI Program) at Northwest Nazarene University (NNU) is to provide English-as-second-language speakers with opportunities for improving both English language skills for academic work as well as social skills for the American university environment. The goal of the program is to develop students' language skills and cultural competence and to prepare them for success in academic courses taught in English.

Objective

The ELI Program relies on experienced and professionally trained ESL instructors who deliver academic English courses. Each course is designed to prepare students for academic study in English by developing their English language skills for reading in an academic context, writing research papers, and comprehending academic lectures. These courses will provide a bridge for success in traditional undergraduate courses.

Enrollment

International degree seeking and exchange students who receive provisional admission to NNU with a score of 78 on the TOEFL (IBT) or a 5.0-6.0 on the IELTS are required to enroll in the English Language Institute Program. Transition from the ELI program to the traditional undergraduate program may occur in one of three ways:

1. Obtain a score of 79 or above on the TOEFL.
2. Complete two semesters of the ELI program with a cumulative grade point average (GPA) of 2.5 or above.
3. Committee decision: After completing one semester of ELI at NNU, a student may petition to move into the traditional undergraduate program. The ELI coordinator will establish a committee made up of three faculty members (at least one from the student's intended major area) to review samples of the student's work, written work in English at NNU, and conduct an interview with the student. The committee may grant the student's petition and allow the student to enter the traditional program in the absence of 1 and 2 above.

Curriculum

Fall semester, students will enroll in 2 courses of English language study and support courses, 2 courses of cultural studies, and 1 supported traditional undergraduate course determined by the ELI coordinator. Two additional credits may be taken in approved skills courses. A total of 15-17 credits is possible during the fall semester.

In the spring semester students will enroll in 3 English language study courses and up to 8 additional lower division undergraduate course credits from an approved list. A total of 15-17 credits is possible during the spring semester. With successful completion of these courses, students will have earned credits toward an academic degree.

Attendance Policy

Attendance will be a significant part of each grade. Students holding F-1 Visas must enroll full-time (12 credits) and attend classes regularly to maintain the F-1 Visa status. Students failing to keep F-1 Visa status will be requested to leave the country. A certificate of completion will be awarded to students who successfully complete two semesters of the English Language Institute Program.

ELI Curriculum

TOEFL IBT 78/IELTS 6.0	
Fall	Spring
ENGL1061 Academic Language Acquisition I (Speaking & Listening)	ENGL1062 Academic Language Acquisition II (Reading, Critical Thinking, Discussion, Public Speaking)
ENGL1063 Course-specific Language Support	ENGL1071 Academic Language Use in Writing
CLST1010 Cultural Orientation for International Students	ENGL1072 Academic Reading and Grammar (Course specific support)
CLST1020 Dynamics of Intercultural Dialogue	
Lower division undergraduate courses (Maximum 6 credits)	Lower division undergraduate courses (Maximum 7 credits)

Department of Mathematics and Computer Science

Faculty: Barry Myers (Department Chair), Jason Colwell, Dale Hamilton, Ed Korntved

Learning Objectives:

1. Every student should master the basic knowledge in the field of mathematics or computer science.
2. Every student should gain the required knowledge to prepare the student for employment after graduation or admission into graduate school.
3. Students should learn to think in a creative way but yet be able to express their thoughts in an organized fashion.
4. The computer science student should understand the basic principles of the major types of programming languages and other fundamental areas of computer science.
5. All students are expected to practice integrity in their daily interaction with their colleagues and in their work.

Majors

Bachelor of Science, Computer Science

Bachelor of Science, Mathematics

Bachelor of Arts, Computer Graphic Design

Bachelor of Arts, Computer Science

Bachelor of Arts, Computer Information Systems

Bachelor of Arts, Mathematics

Mathematics Education

See Secondary Education: Mathematics Teaching Area, Mathematics First Teaching Field, Mathematics Second Teaching Field

Minors

Computer Science

Mathematics

Bachelor of Science, Computer Science

Objective: This program prepares one for further study in the technology and application of computing or a career in business, science, or industry. Selected job titles of graduates include: programmer, software engineer, network analyst, systems analyst, game programmer, system administrator, web developer, web designer.

Administrator: Chair, Department of Mathematics and Computer Science

Requirements: 59-61 credits, including 38-42 in computer science

COMP1220. Introduction to Computer Science (3)

COMP2220. Computer Programming in C++ (3); **and,**

COMP2220L. Computer Programming in C++ Laboratory (1)

One course from:

COMP2040. Introduction to Web Development (3)

COMP2260. Event-Driven Programming (3); **and,**

COMP2260L. Event-Driven Programming Laboratory (1)

COMP2630. Computer Architecture (3)

COMP2750. Data Structures (3)

COMP3330. Database Design and Programming (3); **and,**

COMP3330L. Database Design and Programming Laboratory (1)

COMP3370. Systems Analysis and Design (3)

COMP3430. Operating Systems I (3); **and**

COMP3430L. Operating Systems I Laboratory (1)

COMP3630. Networks and Data Communications I (3)

COMP3640. Networks and Data Communications II (3)

COMP3750. Algorithm Analysis (3)

COMP3970. Introduction to Senior Project (1)

COMP4680. Software Development Project (4); **or,**

COMP4970. Research (1-3)

* COMP4980. Senior Seminar/Capstone (1)

MATH2310. Discrete Mathematics (3)

MATH2510. Calculus I (4)

MATH2520. Calculus II (4)

MATH3240. Probability and Statistics I (3)

MATH3320. Linear Algebra (3)

One course from:

COMP3530. Computer Graphics (3); **and**

COMP3530L. Computer Graphics Laboratory (1)

COMP4330. Machine Learning and Data Mining (3)

MATH3250. Probability and Statistics II (3)

MATH3280. Modeling and Operations Research (3)

MATH3540. Differential Equations (3)

MATH3560. Numerical Analysis (3)

MATH4320. Modern Algebra (4)

* COMP4980 must be taken at Northwest Nazarene University

In addition to the above requirements, the student is required to complete a written subject examination in the field of Computer Science, e.g. ETS Major Field Test for Computer Science.

Bachelor of Science, Mathematics

Objective: This program is for students who wish to prepare for graduate study in the mathematical sciences or for a career in applied mathematics in science or industry.

Administrator: Chair, Department of Mathematics and Computer Science

Requirements: 45-46 credits including 38-39 in mathematics of which 27 shall be numbered above 2999.

MATH2310. Discrete Mathematics (3)

MATH2510. Calculus I (4)

MATH2520. Calculus II (4)

MATH3240. Probability and Statistics I (3)

MATH3310. Introduction to Abstract Mathematics (3)

MATH3320. Linear Algebra (3)

MATH3530. Vector Calculus (3)

MATH3540. Differential Equations (3)

MATH4320. Modern Algebra (4)

MATH4510. Introduction to Real Analysis (4)

COMP1220. Introduction to Computer Science (3)

Choose one of the following options:

MATH3250. Probability and Statistics II (3); **and,**

MATH4520. Introduction to Real Analysis (2); **or,**

MATH4330. Modern Algebra (2); **and,**

MATH4520. Introduction to Real Analysis (2)

Choose one of the following options:

PHYS1110. College Physics I (3); **and,**

PHYS1110L. College Physics I Laboratory (1); **or,**

PHYS2110. Physics for Science and Engineering I (3); **and,**

PHYS2110L. Physics for Science and Engineering I Laboratory (1)

In addition to the above requirements, the student is required to complete a written subject examination in the field of Mathematics, e.g. ETS Major Field Test for Mathematics or *GRE* Subject Test for Mathematics.

Students who plan on graduate study are advised to acquire a reading knowledge of German or French.

Bachelor of Arts, Computer Science

Objective: This program is for students who wish to pursue a liberal arts degree with some specialization in computer science, but do not intend to enter graduate school in Computer Science. Selected job titles of graduates include: programmer, software engineer, network analyst, systems analyst, game programmer, system administrator, web developer, web designer.

Administrator: Chair, Department of Mathematics and Computer Science

Requirements: 61-63 credits including 35-37 in computer science

COMP1220. Introduction to Computer Science (3)

COMP2220. Computer Programming in C++ (3); **and,**

COMP2220L. Computer Programming in C++ Laboratory (1)

One course from:

COMP2040. Introduction to Web Development (3); **or,**

COMP2260. Event-Driven Programming (3); **and,**

COMP2260L. Event-Driven Programming Laboratory (1)

COMP2630. Computer Architecture (3)

COMP2750. Data Structures (3)

COMP3330. Database Design and Programming (3); **and,**

COMP3330L. Database Design and Programming Laboratory (1)

COMP3370. Systems Analysis and Design (3)

COMP3630. Networks and Data Communications I (3)

COMP3970. Introduction to Senior Project (1)

COMP4680. Software Development Project (4); **or,**

COMP4970. Research (1-3)

*COMP4980. Senior Seminar/Capstone (1)

MATH2240. Elementary Statistics (3)

MATH2310. Discrete Mathematics (3)

Twenty credits in a specific area of concentration approved by the Department Chair.

Choose one of the following :

COMP3430. Operating Systems I (3); **and**

COMP3430L. Operating Systems I Laboratory (1)

COMP3530. Computer Graphics (3); **and**

COMP3530L. Computer Graphics Laboratory (1)

COMP3640. Networks and Data Communications II (3)

COMP3750. Algorithm Analysis (3)

COMP4330. Machine Learning and Data Mining (3)

COMP4430. Compilers (3)

* COMP4980 must be taken at Northwest Nazarene University

In addition to the above requirements, the student is required to complete a written subject examination in the field of Computer Science, e.g. ETS Major Field Test for Computer Science.

Bachelor of Arts, Computer Graphic Design

Objective: This program is for students who wish to pursue a liberal arts degree with some specialization in computer science and graphic design, but do not intend to enter graduate school in computer science. Selected job titles of graduates include: programmer, software engineer, network analyst, systems analyst, game programmer, system administrator, web developer, web designer.

Administrator: Chair, Department of Mathematics and Computer Science

Requirements: 59-61 credits including 32-35 in computer science and 21 in graphic design.

COMP1220. Introduction to Computer Science (3)

COMP2220. Computer Programming in C++ (3); **and**,

COMP2220L. Computer Programming in C++ Laboratory (1)

ARDE1020. 2D Design (3)

ARDE2350. Graphic Design 1: Introduction to Visual Communication (3)

ARDE2360. Graphic Design 2: Typography (3)

ARDE2430. Introduction to Computer Graphics (3)

ARDE3340. Design History: Industrial Revolution to Contemporary Design (3)

ARDE3360. Graphic Design 3: Advanced Practice (3)

ARDE4440. Advanced Web Design (3)

COMP2040. Introduction to Web Development (3); **or**,

COMP2260. Event-Driven Programming (3); **and**,

COMP2260L. Event-Driven Programming Laboratory (1)

COMP2630. Computer Architecture (3)

COMP2750. Data Structures (3)

COMP3330. Database Design and Programming (3); **and**,

COMP3330L. Database Design and Programming Laboratory (1)

COMP3370. Systems Analysis and Design (3)

COMP3630. Networks and Data Communications I (3)

COMP3970. Introduction to Senior Project (1)

COMP4680. Software Development Project (4); **or**

COMP4970 Research (1-4)

*COMP4980. Senior Seminar/Capstone (1)

MATH2240. Elementary Statistics (3)

MATH2310. Discrete Mathematics (3)

Choose one of the following:

COMP3430. Operating Systems I (3); **and**

COMP3430L. Operating Systems I Laboratory (1)

COMP3530. Computer Graphics (3); **and**

COMP3530L. Computer Graphics Laboratory (1)

COMP3640. Networks and Data Communications II (3)

COMP3750. Algorithm Analysis (3)

COMP4330. Machine Learning and Data Mining (3)

COMP4430. Compilers (3)

*COMP4980 must be taken at Northwest Nazarene University

In addition to the above requirements, the student is required to complete a written subject examination in the field of Computer Science, e.g. ETS Major Field Test for Computer Science.

Bachelor of Arts, Computer Information Systems

Objective: This program is for students who wish to pursue a liberal arts degree with some specialization in computer science and business, but do not intend to enter graduate school in computer science. Selected job titles of graduates include: programmer, software engineer, network analyst, systems analyst, game programmer, system administrator, web developer.

Administrator: Chair, Department of Mathematics and Computer Science

Requirements: 59-61 credits including 32-35 in computer science and 21 in business.

COMP1220. Introduction to Computer Science (3)

COMP2220. Computer Programming in C++ (3); **and**,

COMP2220L. Computer Programming in C++ Laboratory (1)

ACCT2060. Financial Accounting (3)

BSNS1110. Business Seminar (3)

BSNS3030. Management Information Systems (3)

BSNS3510. Principles of Marketing (3)

BSNS3640. Principles of Management (3)

COMP2040. Introduction to Web Development (3); **or**

COMP2260. Event-Driven Programming (3); **and**,

COMP2260L. Event-Driven Programming Laboratory (1)

COMP2630. Computer Architecture (3)

COMP2750. Data Structures (3)

COMP3330. Database Design and Programming (3); **and**

COMP3330L. Database Design and Programming Laboratory (1)

COMP3370. Systems Analysis and Design (3)

COMP3630. Networks and Data Communications I (3)

COMP3970. Introduction to Senior Project (1)

COMP4680. Software Development Project (4); **or**

COMP4970. Research (1-4)

*COMP4980. Senior Seminar/Capstone (1)

ECON2410. Microeconomic Analysis (3)

MATH2240. Elementary Statistics (3)

MATH2310. Discrete Mathematics (3)

Plus one other ACCT, BSNS, or ECON course 3000 or above.

Choose one of the following:

COMP3430. Operating Systems I (3); **and**

COMP3430L. Operating Systems I Laboratory (1)

COMP3530. Computer Graphics (3); **and**

COMP3530L. Computer Graphics Laboratory (1)

COMP3640. Networks and Data Communications II (3)

COMP3750. Algorithm Analysis (3)

COMP4330. Machine Learning and Data Mining (3)

COMP4430. Compilers (3)

*COMP4980. must be taken at Northwest Nazarene University

In addition to the above requirements, the student is required to complete a written subject examination in the field of Computer Science, e.g. ETS Major Field Test for Computer Science.

Bachelor of Arts, Mathematics

Objective: This program is for students who wish to pursue a liberal arts degree with some specialization in mathematics.

Administrator: Chair, Department of Mathematics and Computer Science

Requirements: 46-50 credits (33-37 in mathematics of which 22-26 shall be upper division). The following core classes are required. Either option A or option B must be followed to complete the major.

COMP1220. Introduction to Computer Science (3)

MATH2310. Discrete Mathematics (3)

MATH2510. Calculus I (4)

MATH2520. Calculus II (4)

MATH3240. Probability and Statistics I (3)

MATH3310. Introduction to Abstract Mathematics (3)

MATH3320. Linear Algebra (3)

MATH3530. Vector Calculus (3)

MATH3540. Differential Equations (3); **or,**

MATH4510. Introduction to Real Analysis (4)

MATH4320. Modern Algebra (4)

Option A

Requirements: 46-47 credits including 36-37 in mathematics of which 25-26 shall be numbered above 2999.

MATH3280. Modeling and Operations Research (3)

MATH3560. Numerical Analysis (3); **or,**

MATH3250. Probability and Statistics II (3)

COMP2220. Computer Programming in C++ (3); **and,**

COMP2220L. Computer Programming in C++ Laboratory (1)

COMP2750. Data Structures (3)

Option B

Requirements: 49-50 credits including 33-34 in mathematics of which 22-23 shall be numbered above 2999.

MATH3280. Modeling and Operations Research (3)

Nine credits of approved business/economics courses

PHYS1110. College Physics I (3); **and,**

PHYS1110L. College Physics I Laboratory (1); **or,**

PHYS2110. Physics for Science and Engineering I (3); **and,**

PHYS 2110L. Physics for Science and Engineering I Laboratory (1)

Students who plan on graduate study are advised to acquire a reading knowledge of German or French.

In addition to the above requirements, the student is required to complete a written subject examination in the field of Mathematics, e.g. ETS Major Field Test for Mathematics or *GRE* Subject Test for Mathematics.

Minor, Computer Science

Objective: This program will give a student a background in the field of computer science.

Administrator: Chair, Department of Mathematics and Computer Science

Requirements: 23-24 credits, including 10 upper-division credits. Every student must complete the following:

COMP1220. Introduction to Computer Science (3)

COMP2220. Computer Programming in C++ (3); **and,**

COMP2220L. Computer Programming in C++ Laboratory (1)

One course from:

COMP2040. Introduction to Web Development (3); **or,**

COMP2260. Event-Driven Programming (3); **and,**

COMP2260L. Event-Driven Programming Laboratory (1)

COMP2750. Data Structures (3)

COMP3330. Database Design and Programming (3); **and,**

COMP3330L. Database Design and Programming Laboratory (1)

COMP3370. Systems Analysis and Design (3)

One additional 3-credit COMP-prefixed course numbered 3000 or above

Minor, Mathematics

Objective: This program will give a student a background in the field of mathematics with one of two options.

Administrator: Chair, Department of Mathematics and Computer Science

Requirements: 20-21 credits, including 12 upper division credits. Every student must complete the following three courses along with one of the two options.

MATH2510. Calculus I (4)

MATH2520. Calculus II (4)

MATH3320. Linear Algebra (3)

Option A

MATH3310. Introduction to Abstract Mathematics (3)

MATH4320. Modern Algebra (4); **or,**

MATH4510. Introduction to Real Analysis (4)

MATH3240. Probability and Statistics I (3); **or,**

MATH3560. Numerical Analysis (3)

Option B

Three of the following courses:

MATH3280. Modeling and Operations Research (3)

MATH3530. Vector Calculus (3)

MATH3540. Differential Equations (3)

MATH3560. Numerical Analysis (3)

Department of Military Science

Department Objective: The Reserve Officers' Training Corps (ROTC) was established at Northwest Nazarene University in 1995 as a partnership with Boise State University under provisions recommended to the State Board of Education and in accordance with national requirements. Participation by students in the program is voluntary.

The objective of senior Army ROTC is to provide world-class leadership training to transform Scholar - Athlete - Leaders at Northwest Nazarene University into commissioned officers prepared to lead small units upon arrival to their first unit of assignment in the United States Army, Army Reserves, and Army National Guard.

Minor
Military Science

Minor, Military Science

Objective: The Senior Army ROTC program will provide world-class leadership training to transform Scholar - Athlete - Leaders at Northwest Nazarene University into commissioned officers prepared to lead small units upon arrival to their first unit of assignment in the United States Army, Army Reserves, and Army National Guard.

Minor Objective: This program will prepare qualified students for a commission as a Second Lieutenant in the United States Army.

Requirements: Students who wish to enroll in the minor curriculum in military science must first apply and be accepted to upper-division (candidacy) for the advance program in military science. All Advanced Course ROTC students must be United States citizens. Non-citizens desiring to enroll in ROTC may attend classroom instruction only for the Basic Course. Every student must complete the following:

MILS3010. Adaptive Team Leadership (3)
MILS3020. Leadership in Changing Environments (3)
MILS3900. Military Science Practicum (6)
MILS4010. Developing Adaptive Leaders (3)
MILS4020. Leadership in a Complex World (3)

Department of Music

Faculty: Philip Miller (Department Chair), Casey Christopher, Walden Hughes, Judy Marlett, Barry Swanson, George Turner

Learning Objectives: The objective of the music curriculum is to develop within students excellence in creating, performing, and appreciating music. The program serves the total student body by providing ensembles, lessons, and courses, which are open to all students. Also, the program makes available to the student body concerts and recitals throughout the year in the Swayne Auditorium and other auditoriums on campus. The program's course offerings provide the opportunity to:

1. pursue careers in music (Creative Engagement and Academic Excellence)
2. develop one's perception of the intrinsic and aesthetic values within musical expression (Creative Engagement)
3. understand the interrelatedness of music and Christian service (Christlike Character and Social Responsiveness)
4. prepare for service in Church and community (Christlike Character and Social Responsiveness)
5. relate music to life-long learning (Academic Excellence and Creative Engagement)

Majors

Bachelor of Arts, Music

Applied Emphasis

Track I Piano

Track II Voice

Track III Instrumental

Track IV Theory/Composition

Music Industry Emphasis

General Music Emphasis

Worship and Music Ministry Emphasis

Music Education

Minors

Music

Worship and Music Ministry

Bachelor of Arts, Music

Administrator: Chair, Department of Music

Requirements for Applied, Music Industry, and General Music Emphasis: 48-57 credits: 32 core credits and the requirements for one area of emphasis (16-25)

Core Courses: 32 credits

MUSC0200. Master Class (0)
MUSC0250. Concert/Recital Attendance (0)
MUSC0900. Fundamentals of Music (2)
MUSC1200. Beginning Music Theory I (2)
MUSC1210. Beginning Music Theory Laboratory I (1)
MUSC1220. Beginning Music Theory II (3)
MUSC1230. Beginning Music Theory II Laboratory (1)
MUSC1310. Digital Music and Technology (3)
MUSC2200. Intermediate Music Theory I (3)
MUSC2210. Intermediate Music Theory Laboratory I (1)
MUSC2220. Intermediate Music Theory II (3)
MUSC2230. Intermediate Music Theory Laboratory II (1)
MUSC3260. Music History: Medieval, Renaissance and Baroque (3)
MUSC3270. Music History: Classic, Romantic and Modern (3)
MUSC3600. Basic Conducting (2)
MUSC4000. Music Capstone Seminar (1)
MUSC4100. Forms and Analysis (3)

An acceptable level of keyboard proficiency (determined by examination) is required in all emphases. A student may acquire needed skills by taking available piano courses. Additionally all music majors are required to:

1. participate in a minimum of one ensemble each semester
2. participate four semesters in the major ensemble appropriate for their primary performance medium
3. study privately each semester in their primary performance medium (voice or instrument) (additional fee required)
4. pass a juried examination in their performance medium each semester. A minimum of six examinations must be on file to qualify for graduation in music. Exceptions will only be by permission from the chair of the Music Department.
5. attend ten recitals or concerts during each semester.

Familiarization and compliance with music program policies as outlined in the Music Program Handbook is the student's responsibility. Copies are available in the department office.

Applied Emphasis

Designed for students interested in music performance and private studio teaching, and those who plan to pursue graduate work in performance, pedagogy, or theory. Requirements below are in addition to the 32 Core Course credits listed above.

Track I Requirements (Piano): 23 credits

Required:

Major performance medium: 13 credits

MUSC3430. Performance Practices (1)

MUSC4390. Piano Methods (3)

Recital during junior and senior years

Electives - Six credits from the following:

MUSC3220. Counterpoint (3)

MUSC3230. Composition (3)

Three credits in music numbered above 2999 (3)

Track II Requirements (Voice): 21 credits

Required:

Major performance medium: 12 credits

MUSC3440. Diction (3)

MUSC4410. Voice Methods (3)

Recital during junior and senior years

Electives - Three credits from the following:

MUSC3220 Counterpoint (3)

MUSC3230. Composition (3)

Track III Requirements (Instrumental): 21 credits

Required:

Major performance medium: 12 credits

MUSC3099. Directed Study - Methods (3)

Recital during junior and senior years

Electives - Six from the following:

MUSC3220. Counterpoint (3)

MUSC3230. Composition (3)

Three credits in music numbered above 2999 (3)

Track IV Requirements (Theory/Composition): 21-22 credits

Required:

Major performance medium: 8 credits

MUSC3210. Orchestration (3)

MUSC3220. Counterpoint (3)

MUSC3230. Composition (3)

MUSC3610. Advanced Conducting (2)

Recital and/or project during junior and senior years

Electives - Two-three credits from the following:

MUSC1010. Survey of Art and Music (3)

MUSC2350B. Brass Methods (1)

MUSC2350P. Percussion Methods (1)

MUSC2350S. String Methods (1)

MUSC2350W. Woodwind Methods (1)

Music Industry Emphasis

Designed for students interested in pursuing a career in commercial music avenues.

Requirements: 29 credits

MUSC3150. Music Technology Lab (1)

MUSC3210. Orchestration (3)

MUSC3230. Composition (3)

MUSC3650. Advanced Audio Technology (3)

MUSC3950. Field Experience in Music Management I (1)

MUSC3951. Field Experience in Music Management II (1)

MUSC4950B. Internship in Audio Engineering (1-3) (3 required) (may be repeated)

MUSC4980. Seminar in Music Business Management (3)

Half recital during the senior year

Business Courses:

ACCT2060. Financial Accounting (3)

BSNS3510. Principles of Marketing (3)

Communication Studies Courses:

COMM2280. Audio for Film and Television (2)

COMM3280. Media Law and Ethics (3)

General Music Emphasis

Designed to give the student a general background in music and a working knowledge of its elements.

Requirements: 16 credits

Required:

MUSC1010. A Survey of Art and Music (3)

MUSC2240. Improvisation (3)

MUSC3750. Symphonic Literature (1)

Half recital or project senior year.

Electives - 9 credits from the following:

MUSC3220. Counterpoint (3) **or**

MUSC3230. Composition (3)

Six credits in music numbered above 2999 (6)

Worship and Music Ministry Emphasis

Designed for students interested in pursuing a career in music ministry through church music leadership.

Requirements: 50-51 credits

Revised Core Courses: 33 credits

MUSC0200. Master Class (0)

MUSC0250. Concert/Recital Attendance (0)

MUSC0900. Fundamentals of Music (2)

MUSC1200. Beginning Music Theory I (2)

MUSC1210. Beginning Music Theory Laboratory I (1)

MUSC1220. Beginning Music Theory II (3)

MUSC1230. Beginning Music Theory Laboratory II (1)

MUSC1310. Digital Music and Technology (3)

MUSC2096. Field Experience in Music Ministry (1)
MUSC2110. Introduction to Worship Ministry and Leadership (2)
MUSC2200. Intermediate Music Theory I (3)
MUSC2210. Intermediate Music Theory Laboratory I (1)
MUSC2240. Improvisation (3)
MUSC3200. Practicum in Worship Planning and Leadership (3)
MUSC3600. Basic Conducting (2)
MUSC4000. Music Capstone Seminar (1)
MUSC4510. Music in Worship and Ministry (3)
MUSC4950A. Internship in Church Music (1-2) (2 required)
Half recital in senior year.

Electives - 11 or 12 credits from the following:

MUSC3260. Music History: Medieval, Renaissance and Baroque (3); **or**,
MUSC3270. Music History: Classic, Romantic and Modern (3)
MUSC3210. Orchestration (3); **or**,
MUSC3230. Composition (3)
MUSC3610. Advanced Conducting (2) or three additional credits in music numbered above 2999
ARDE2430. Introduction to Computer Graphics (3); **or**
MUSC4650. Advanced Audio Technology (3)

Religion Courses: 6 credits

PRTH4820. Pastoral Leadership (3)

Three credits in PRTH numbered above 2999.

Additionally Worship and Music Ministry Majors are required to:

1. participate in a minimum of one ensemble each semester.
2. participate four semesters in the major ensemble appropriate for their primary performance medium;
3. take applied music lessons each semester. (additional fee required). Students whose primary performance medium is voice must take at least two semesters of guitar. Students whose primary performance medium is instrumental must take at least two semesters of voice. (additional fee required).
4. pass a juried examination in their performance medium each semester; (a minimum of six examinations must be on file to qualify for graduation in music. Exceptions will only be by permission from the Chair of the Music Department.)
5. attain an acceptable level of keyboard proficiency (determined by examination). A student may acquire needed skills by taking available piano courses.
6. attend ten recitals or concerts during each semester.

Familiarization and compliance with music program policies as outlined in the Music Program Handbook is the student's responsibility. Copies are available in the department office.

MUSIC EDUCATION

Designed for the student wishing to instill in others the joy of creating, performing, and listening to music. A primary goal of the program is to foster within oneself a desire to develop musical skills over a lifetime of involvement and study. The program is specifically designed to prepare the student for teaching music in elementary and secondary schools, and meet the requirements for Idaho certification.

Administrators: Director, Music Education; Director, Teacher Education

Teaching Area Emphasis (K-12)

Requirements: 54 credits in music, 32 credits in education, 8 credits in applied lessons

MUSC0200. Master Class (0)

MUSC0250. Concert/Recital Attendance (0)

MUSC0900. Fundamentals of Music (2)

MUSC1200. Beginning Music Theory I (2)

MUSC1210. Beginning Music Theory Laboratory I (1)

MUSC1220. Beginning Music Theory II (3)

MUSC1230. Beginning Music Theory Laboratory II (1)

MUSC1310. Digital Music and Technology (3)

MUSC2200. Intermediate Music Theory I (3)

MUSC2210. Intermediate Music Theory I Laboratory (1)

MUSC2220. Intermediate Music Theory II (3)

MUSC2230. Intermediate Music Theory II Laboratory (1)

MUSC2240. Improvisation (3)

MUSC2350B. Brass Methods (1)

MUSC2350P. Percussion Methods (1)

MUSC2350S. String Methods (1)

MUSC2350W. Woodwind Methods (1)

MUSC3210. Orchestration (3)

MUSC3260. Music History: Medieval, Renaissance and Baroque (3)

MUSC3270. Music History: Classic, Romantic and Modern (3)

MUSC3450. Teaching Music in the Elementary School I (2)

MUSC3460. Teaching Music in the Elementary School II (2)

MUSC3470. Teaching Music in the Secondary School I (2)

MUSC3480. Teaching Music in the Secondary School II (2)

MUSC3620. Basic Conducting, Choral Methods and Materials (3)

MUSC3630. Advanced Conducting, Instrumental Methods, and Materials (3)

MUSC4000. Music Capstone Seminar (1)

MUSC4100. Forms and Analysis (3)

Eight credits in applied lessons (8)

*EDUC1100. Introduction to Teaching (1)

PSYC2110. Educational Psychology (3)

EDUC2250. Cultural Diversity in Education (2)

EDUC2750. Technology in the Classroom (3)

*EDUC2960. Field Experience (1)

EDUC3150. Education of Exceptional Children (3)

*EDUC3410. English Language Learners and Content Literacy in Secondary Classrooms (3)

*EDUC3750. Classroom Management in Secondary Schools (2)

*EDUC3920. Foundations of Education (2)

*EDUC4850. Secondary School Start-up (1)

*EDUC4860. Student Teaching in the Middle School/Junior High School (11) **or**

*EDUC4870 Student Teaching in the Senior High School (11)

Participation in ensembles (may be taken for credit)

Half-recital in the senior year

Keyboard proficiency shall be determined by examination before enrolling for student teaching. Students may acquire needed skills by taking applied piano.

*Courses must be taken at Northwest Nazarene University

Additionally Music Education majors are required to:

1. participate in a minimum of one ensemble each semester
2. participate four semesters in the major ensemble appropriate for their primary instrument
3. perform in both large and small instrumental ensembles appropriate to their particular instrument. All students whose applied performance area is instrumental will enroll in a small ensemble (chamber group, jazz combo, or similar ensemble) for at least one semester.
4. study privately each semester in their primary performance medium (voice or instrumental) (additional fee required)
5. pass a juried examination in their performance medium each semester. A minimum of six examinations must be on file to qualify for graduation in music. Exceptions will only be by permission from the chair of the Music Department.
6. attend ten recitals or concerts during each semester.

Familiarization and compliance with music program policies as outlined in the Music Program Handbook is the student's responsibility. Copies are available in the Music Department Office.

Program Certification Requirements:

1. Complete all requirements for a baccalaureate degree.
2. Complete a subject teaching area emphasis of at least 45 semester credit hours as recommended by the subject department and approved by the Department of Education, or completion of a first teaching field emphasis of at least 30 semester credit hours and a second teaching field emphasis of at least 20 semester credit hours as recommended by the subject departments and approved by the Department of Education. These areas and fields include:
 1. Teaching areas: Art, Biology, Chemistry, English, Kinesiology, Mathematics, Music, Spanish.
 2. First teaching fields: Biology, Chemistry, English, History, Kinesiology, Mathematics, Psychology, Spanish.
 3. Second teaching field: American Government/Political Science, Art, Biology, Chemistry, Communication, Economics, English, Health, History, Kinesiology, Mathematics, Music, Physics, Psychology, Spanish.
3. Complete requirements of the teacher education program in effect at the time of admission to teacher education and any additional requirements if required by changes in the standards of state regulatory agencies.
4. Complete all required education courses with a grade of B- (2.7) or better.
5. Complete all required content courses with a grade of C (2.0) or better.
6. Maintain a 2.75 or better cumulative GPA.
7. Pass the PRAXIS II content test(s) in teaching area or fields.
8. Receive a favorable vote of the Teacher Education Council for recommendation for certification.

Completing an Idaho approved teacher education program will enable a candidate to be recommended for certification in other states. Deviations from the teaching major or certification requirements must be authorized by the Department Chair.

Note: Most students require more than 8 semesters to complete this program.

Music Second Teaching Field Emphasis (k-12)

Requirements: 28 credits, including 8 credits in education methods

MUSC0900. Fundamentals of Music (2)

MUSC1200. Beginning Music Theory I (2)

MUSC1210. Beginning Music Theory Laboratory I (1)

MUSC1220. Beginning Music Theory II (3)

MUSC1230. Beginning Music Theory Laboratory II (1)

MUSC1310. Digital Music and Technology (3)

MUSC3450. Teaching Music in the Elementary School I (2)

MUSC3460. Teaching Music in the Elementary School II (2)

MUSC3470. Teaching Music in the Secondary School I (2)

MUSC3480. Teaching Music in the Secondary School II (2)

MUSC3620. Basic Conducting, Choral Methods and Materials (3)

Two credits in a performance medium, instrument, or voice (2)

Three credits numbered above 2999 selected in consultation with major advisor (3)

Other Requirements:

1. Take MUSC1010, A Survey of Art and Music, or other approved Music History course as part of General Education requirements. (3)

2. Keyboard proficiency shall be determined by examination before enrolling for student teaching. Students may acquire needed skills by taking applied piano.

Minor, Music

Requirements: 21-23 credits

MUSC0900. Fundamentals of Music (2)

MUSC1200. Beginning Music Theory I (2)

MUSC1210. Beginning Music Theory Laboratory I (1)

MUSC1220. Beginning Music Theory II (3)

MUSC1230. Beginning Music Theory Laboratory II (1)

MUSC1310. Digital Music and Technology (3)

MUSC3260. Music History: Medieval, Renaissance and Baroque (3); **or**,

MUSC3270. Music History: Classic, Romantic and Modern (3)

MUSC3600. Basic Conducting (2); **or**,

MUSC3610. Advanced Conducting (2)

Three credits in music numbered above 2999; not including ensembles or applied music (3)

No less than three credits of applied music and/or ensemble credit (additional fee required for applied music) (3)

Minor, Worship and Music Ministry

Requirements: 25-26 credits

MUSC0900. Fundamentals of Music (2)

MUSC1200. Beginning Music Theory I (2)

MUSC1210. Beginning Music Theory Laboratory I (1)

MUSC1220. Beginning Music Theory II (3)

MUSC1230. Beginning Music Theory Laboratory II (1)

MUSC2096. Field Experience in Church Music (1)

MUSC2110. Introduction to Music Ministry and Leadership (1)

MUSC3200. Practicum in Worship Planning and Leadership (2)

MUSC3210. Orchestration (3)

MUSC3260. Music History: Medieval, Renaissance and Baroque (3); **or**,

MUSC3270. Music History: Classic, Romantic and Modern (3)

MUSC3600. Basic Conducting (2)

MUSC4510. Music in Worship and Ministry (3)

MUSC4950A. Internship in Church Music (1-2)

No less than three credits of applied music and/or ensemble credit (additional fee required for applied music) (3)

Department of Nursing

Faculty: Barbara Lester (Dept. Chair), Carol Coose, Jan Crabill, Ginny Gilbert, Kathleen Jaeger, Jane Weis, Bonnie Zaroban

Nursing Mission Statement:

The mission of the baccalaureate nursing program at Northwest Nazarene University is to provide a quality education in professional nursing, grounded in the liberal arts. We endeavor to develop graduates who will:

- Serve God and humanity
- Act with wisdom, integrity and caring
- Demonstrate competence in an environment of diversity and change
- Develop effective nursing leadership strategies
- Value the pursuit of professional growth and graduate education

Nursing Program Learning Outcomes:

Graduates of the Bachelor of Science in Nursing program at Northwest Nazarene University will:

1. Integrate scientific and liberal arts education, which is provided within a Christian perspective, into nursing practice.
2. Effectively lead nursing teams and actively collaborate with other members of the healthcare team to provide safe, high quality patient health outcomes.
3. Translate critical thinking principles into the clinical arena in order to establish the foundation for evidence-based practice.
4. Utilize available technologies to advocate for patient safety, confidentiality, management of information, and work redesign.
5. Demonstrate a working knowledge of healthcare policy, finance, and structure at the local, regional, national, and global levels in order to advocate for patients and the profession.
6. Participate in assessment and educational initiatives to promote wellness and illness/disease/injury prevention to improve health for populations.
7. Integrate values reflective of the character of God and the Christian worldview, as well as the values of professional ethics into the daily practice of nursing and the advancement of nursing as a profession.
8. Exhibit caring behaviors that reflect respect for the value and uniqueness of diverse persons while safely integrating the nursing process for individuals, families, groups, and communities.

These outcomes reflect the expectations of the *AACN Essentials for Baccalaureate Nursing Education* and the mission of the University and the Department of Nursing.

Major

Bachelor of Science, Nursing

Bachelor of Science, Nursing

Administrator: Chair, Department of Nursing

Requirements for Admission to the Bachelor of Science, Nursing Program

1. Submit an Application for Admission online to the Bachelor of Science in Nursing Program. The deadline is March 1st at 5:00 pm.
2. Earn a minimum grade of "C" and a cumulative GPA of 2.750 on a 4.0 scale in prerequisite courses listed below.
3. Meet the designated requirements of a standardized entrance examination.
4. Pass the designated background check.
5. Meet health requirements.

Prerequisite Courses for Admission to the Bachelor of Science, Nursing Program.

(Minimum grade of "C" required)

BIOL2010. Human Anatomy and Physiology I (3); **and**,

BIOL2010L. Human Anatomy and Physiology I Laboratory (1)

BIOL2030. Human Anatomy and Physiology II (3); **and**,

BIOL2030L. Human Anatomy and Physiology II Laboratory (1)

CHEM1210. Principles of Organic and Biochemistry (3); **and**,

CHEM1210L. Principles of Organic and Biochemistry Laboratory (1)

ENGL1030. University Writing and Research (3)

NURS2100. Medical Terminology (1)

PSYC1550. Introduction to Psychology (3)

SOGY1550. Introduction to Sociology (3)

(BIOL2010, BIOL2010L, BIOL2030, BIOL2030L must be completed within 5 years of admission to the Bachelor of Science Nursing program.)

The following courses are taken concurrently with the nursing program.

(Minimum grade of "C" required)

BIOL2420. Microbiology (3); **and**,

BIOL2420L. Microbiology Laboratory (1)

BIOL3820. Pathophysiology (3)

KINE2730. Nutrition Across the Lifespan (2)

MATH2240. Elementary Statistics (3) *or comparative statistics course*

PSYC 2100. Lifespan Development (3)

(BIOL2420, BIOL2420L & BIOL3820 must be completed within 5 years of enrolling in the Bachelor of Science Nursing program.)

Nursing Courses

Minimum grade of "C" is required as a final grade in the nursing courses listed

below. Additionally, a 73.0% average on tests/examinations is required to pass each course.

NURS2000. Health Assessment of Family Health Nursing (3)

NURS2010. Theoretical Foundations of Professional Nursing (3)

NURS2030. Fundamentals of Family Health Nursing (5)

NURS3010. The Childbearing Family (4)

NURS3015. Pediatrics and the Family Unit (3)

NURS3020. Mental Health (3)

NURS3030. Medical Surgical Nursing:Acute and Chronic Health Needs (6)

NURS3040. Pharmacology (3)

NURS4000. Medical Surgical Nursing:Complex Health Needs (5)

NURS4010. Nursing of Diverse Populations in the Community (4)

NURS4020. Leadership and Management in Professional Nursing (3)

NURS4030. Nursing Research (3)

NURS4040. Transition to Professional Nursing Practice/Capstone (4)

Refer to this catalog for the Standard General Education requirements.

Department of Philosophy

Faculty: Joseph Bankard, Thomas Oord, Kevin Timpe

Majors

Bachelor of Arts, Philosophy

Bachelor of Arts, Philosophy and Religion

Minors

Philosophy

Bachelor of Arts, Philosophy

Objective: This major is for students who want to be seriously involved in philosophic study either as a primary discipline or as foundational work for related studies. Graduates will be prepared for, and able to pursue, graduate work in philosophy, ethics, religion, law, and related fields.

Administrator: Chair: Department of Philosophy

Graduates of the Philosophy major will demonstrate the following core outcomes:

Knowledge

1. Students will identify and define important vocabulary within the history of Western philosophy.
2. Students will identify and explain the major figures, movements, and philosophical theories within the history of Western philosophy.
3. Students will describe the developmental history of Western philosophy.
4. Students will explain the significant themes, issues, and figures associated with the major philosophical sub-disciplines (e.g. epistemology, metaphysics, ethics, etc.).
5. Students will identify and apply the salient features of formal and informal logic.

Skills

1. Students will reproduce significant philosophical arguments from various disciplines (e.g. medical ethics, scientific inquiry, politics, or theology).
2. Students will integrate moral principles, informed by Christian values, into contemporary social, political, and theological issues.
3. Students will demonstrate an ability to write clearly and cogently.
4. Students will construct and defend sophisticated philosophical arguments, both orally and in writing.
5. Students will critically evaluate arguments using principles of sound reasoning from both formal and informal logic.

Attitudes

1. Students will learn to pursue truth diligently.
2. Students will develop a love of learning that crosses many academic disciplines.
3. Students will internalize ethics so as to demonstrate Christian character.
4. Students will develop the virtues of humility and open-minded inquiry that lead to wisdom.
5. Students will develop a deep appreciation for the value of critical thinking.

Requirements: 30 credits of which 24 shall be numbered above 2999

PHIL2010. Introduction to Philosophy (3)

PHIL2020. Ethics (3)

PHIL3010. History of Ancient and Medieval Philosophy (3)

PHIL3020. History of Modern Philosophy (3)

PHIL3080. Critical Reasoning (3)

PHIL4210. Contemporary Philosophy (3)

PHIL4980. Seminar in Philosophy (3)

Elective upper division philosophy credits (9)

Recommended:

Completion of the intermediate level of a foreign language.

Bachelor of Arts, Philosophy and Religion

Objective: Graduates will be prepared for and able to pursue graduate studies in religion, philosophy of religion, or a related field. Entrance requirements for specific graduate schools may be met through proper course selection. Students will be encouraged to spend at least one semester abroad or in an off-campus program.

Administrator: Joseph Bankard

Graduates of the Philosophy and Religion major will demonstrate the following core outcomes:

Knowledge

1. Students will identify and define key vocabulary within the history of Western philosophy.
2. Students will explain and analyze key terms, concepts, and figures from the major world religions.
3. Students will identify and apply the salient features of formal and informal logic.
4. Students will demonstrate an understanding of the overarching narrative of the Bible, and the general content and purpose of the major divisions.
5. Students will explain the principles of exegesis and hermeneutics and demonstrate how they relate to other theological disciplines.
6. Students will identify and describe the major concepts related to the doctrine of God, eschatology, doxology, christology, soteriology, and holiness.
7. Students will articulate core distinctives of a Wesleyan theology.
8. Students will identify and describe the major movements in the history of Western Christianity.

Skills

1. Students will reproduce significant philosophical arguments from various disciplines (e.g. medical ethics, scientific inquiry, politics, or theology).
2. Students will construct and defend sophisticated philosophical arguments, both orally and in writing.
3. Students will critically evaluate arguments using principles of sound reasoning from both formal and informal logic.
4. Students will exegete passages of scripture, using forms of biblical criticism, and construct biblical theologies faithful to the biblical text.
5. Students will relate scripture to real life situations, particularly in the context of the church, in preaching, teaching, pastoral care, discipleship, and other pastoral practices.
6. Apply Wesleyan theology to various theological contexts.
7. Students will construct and defend a coherent theological worldview.

Attitudes

1. Students will learn to pursue truth diligently.
2. Students will internalize ethics so as to demonstrate Christian character.
3. Students will develop a deep appreciation for the value of critical thinking.
4. Students will value and identify the Bible as imperative to his/her own spiritual growth.
5. Students will value all persons, and all creation, and practice love and stewardship toward both.
6. Students will serve as creative and redemptive agents in persons' lives and in culture in order to bring the kingdom of God to earth.
7. Students will develop the virtues of humility and open-minded inquiry that lead to wisdom.

Requirements: 40-41 credits

Foundational Courses:

BIBL1100. Introduction to Biblical Studies (3)

Choose one of the following:

PHIL2010. Introduction to Philosophy (3)

PHIL2020. Ethics (3)

THEO2100. Introduction to Christian Theology (3)

Core Courses:

Choose one of the following:

BIBL3110. Old Testament Interpretation (3)

BIBL3120. New Testament Interpretation (2)

Choose one of the following:

BIBL4250. Parables of Jesus (2)

BIBL4310. Luke and Acts (2)

BIBL4330. Pauline Epistles (2)

BIBL4410. History of Ancient Israel (2)

BIBL4420. Hebrew Prophets (2)

Choose one of the following:

CHIS3610. History of the Christian Tradition I (3)

CHIS3620. History of the Christian Tradition II (3)

Choose one of the following:

GREK2110. Elementary New Testament Greek 1 (3)

HEBR2110. Biblical Hebrew (3)

PHIL3010. Ancient and Medieval Philosophy (3)

PHIL3080. Critical Reasoning (3)

PHIL4520. Philosophy of Religion (3)

PHIL4980. Seminar in Philosophy (3)

6 additional credits in 3000 or 4000-level philosophy

REST3560. World Religions: Asian Traditions (2)

REST3570. World Religions: Western Traditions (2)

THEO4240. Theology of Holiness (2)

THEO4530. Christian Theology 1 (3)

THEO4540. Christian Theology 2 (3)

Minor, Philosophy

Administrator: Joseph Bankard

Objective: Students who graduate with this minor will receive an introduction to the field of philosophy, and will be able to relate elements of its historical development and recognize and apply principles of sound reasoning.

Requirements (15 credits):

PHIL2010. Introduction to Philosophy (3); **or**

PHIL2020. Ethics (3)

PHIL3080. Critical Reasoning (3)

Electives in philosophy (excluding PHIL3080. Clinical Ethics) in consultation with and approved by the chair of the Department of Philosophy (9)

Department of Physics and Engineering

Faculty: Duke Bulanon, Joshua Griffin, Thom Ives, Dan Lawrence, William Packard, Stephen Parke

The Department of Physics and Engineering instructs students to be creative problem solvers in their careers, future education, and lifetime service. We do this by teaching physics and engineering courses that give students a solid background in the methods, theories, and analytical skills needed to succeed in physics, engineering, and related fields. The department seeks to instill a Christian perspective to the natural world, without compromising scientific principles, through class discussions and projects. Our students are well prepared for careers in industry, academia, and government, or for graduate school in engineering and physics.

Physics and Engineering Learning Objectives:

1. Graduates of the department will be able to identify and explain the major theories of, and contributions to, the fields of physics and engineering, and will be able to apply them to problems presented. (Academic Excellence, Creative Engagement)
2. Graduates of the department will be able to use standard software, including, but not limited to: Solidworks, AutoCAD, Mathematica, MATLAB, LabView. They will be able to use standard scientific equipment such as DMM's oscilloscopes, data acquisition equipment, computers, and other laboratory equipment. They will be able to use these tools to design and carry out experiments or design projects. (Academic Excellence, Creative Engagement)
3. Graduates of the department will be able to write a coherent technical report of a scientific or engineering nature. (Academic Excellence, Creative Engagement)
4. Graduates of the department will learn a Christian perspective to the natural world, without compromising scientific principles. They will be able to use their abilities learned to positively affect the world around them. (Christlike Character, Social Responsiveness)
5. Graduates in engineering will be able to complete system and component level designs employing both theoretical and practical knowledge in their field. (Academic Excellence)

The Engineering program at Northwest Nazarene University provides a high-quality, interdisciplinary engineering education in a Christian environment that prepares our graduates for professional careers and advanced studies in engineering. We seek to instill in each graduate, a personal commitment to using their engineering skills and career to be "God's creative and redemptive agent in the world."

ABET Engineering Program Educational Objectives (PEOs)

Within a few years after graduation, NNU engineering alumni will be:

1. Practicing engineering (or a related field) with professionalism, integrity, and Christian principles.
2. Advancing in their career through continuous learning, leadership, and teamwork.
3. Serving their profession, the community, and God's creation.

ABET Engineering Student Outcomes (SOs)

By the time of graduation, NNU engineering students will demonstrate:

1. An ability to apply knowledge of mathematics, science, and engineering.
2. An ability to design and conduct experiments, as well as to analyze and interpret data.
3. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
4. An ability to function on multidisciplinary teams.
5. An ability to identify, formulate, and solve engineering problems.
6. An understanding of professional and ethical responsibility.
7. An ability to communicate effectively.
8. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
9. A recognition of the need for, and an ability to engage in, life-long learning.
10. A knowledge of contemporary issues.
11. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

Majors

Bachelor of Science, Engineering

Electrical Engineering Concentration

Mechanical Engineering Concentration

Engineering Physics Concentration

Bachelor of Science, Physics

Bachelor of Arts, Physics

Physics Education

See Secondary Education: Physics Second Teaching field

Minors

Physics

Bachelor of Science, Engineering

Administrator: Engineering Program Director

Requirements: 92 credits including 56 in engineering.

ENGR1010. Introduction to Engineering (3)

ENGR1050. Engineering Graphics and Design (3)

ENGR2100. Engineering Statics (3)

ENGR2200. Digital and Computer Systems (3); **and,**

ENGR2200L. Digital and Computer Systems Laboratory (1)

ENGR2210. Electrical Circuits (3); **and,**

ENGR2210L. Electrical Circuits Laboratory (1)

ENGR2310. Instrumentation and Measurements Lab I (1)

ENGR2320. Instrumentation and Measurements Lab II (1)

ENGR3110. Engineering Thermodynamics (3)

ENGR3120. Engineering Dynamics (3)

ENGR3150. Engineering Materials (3)

ENGR3400. Control Systems (3); **and**

ENGR3400L. Control Systems Laboratory (1)

ENGR3410. Engineering Economics and Ethics (3)

ENGR4971. Senior Design Project I (2)

ENGR4972. Senior Design Project II/Capstone (2)

MATH2510. Calculus I (4)

MATH2520. Calculus II (4)

MATH3530. Vector Calculus (3)

MATH3540. Differential Equations (3)

MATH4240. Advanced Engineering Mathematics (3)

PHYS2110. Physics for Science and Engineering I (3); **and,**

PHYS2110L. Physics for Science and Engineering I Laboratory (1)

PHYS2120. Physics for Science and Engineering II (3); **and,**

PHYS2120L. Physics for Science and Engineering II Laboratory (1)

CHEM2210. General Chemistry I (3); **and,**

CHEM2210L. General Chemistry I Laboratory (1)

One course chosen from:

BIOL2220. General Biology I (3)

CHEM2220. General Chemistry II (3)

PHYS3130. Modern Physics (3)

PHYS3410. Analytic Mechanics (3)

PHYS4710. Optics (3)

PHYS4810. Quantum Mechanics (3)

MATH3320. Linear Algebra (3)

MATH3560. Numerical Analysis (3)

COMP2220. Computer Programming (3); **and,**

COMP2220L. Computer Programming Laboratory (1)

Student must complete one of the following concentrations (17 credits):

Electrical Engineering Concentration

ENGR4200. Microprocessors (3); **and**,
ENGR4200L. Microprocessors Laboratory (1)
ENGR4210. Electronics (3); **and**,
ENGR4210L. Electronics Laboratory (1)
ENGR4220. Signal Processing (3)
ENGR4230. Embedded Systems (3)
ENGR4250. Electromagnetic Theory (3)

Mechanical Engineering Concentration

ENGR4100. Fluid Mechanics (3)
ENGR4110. Machine Design (3)
ENGR4120. Advanced Mechanical Engineering Laboratory (1)
ENGR4130. Mechatronics (3); **and**,
ENGR4130L. Mechatronics Laboratory (1)
ENGR4140. Vibrations (3)
ENGR4150. Heat Transfer (3)

Engineering Physics Concentration

ENGR4250. Electromagnets (3)
PHYS3130. Modern Physics (3); **and**
PHYS3130L. Modern Physics Laboratory (1)
PHYS3410. Analytic Mechanics (3)
PHYS4710. Optics (3)
PHYS4810. Quantum Mechanics (3)
PHYS4970. Research (1)

All engineering students are strongly encouraged to take and pass the Fundamentals of Engineering exam during one of their last two semesters before graduation.
In addition, Engineering Physics Concentration students must take the Physics Major Fields Examination in their last semester before graduation.

Engineering Missions Program

The Engineering Missions Program is for students desiring a professional engineering degree as well as training for Christian missions and/or compassionate service engineering work. The program may require additional semester(s) of study.

Requirements:

1. Complete all requirements of the BS Engineering degree.
2. Complete all requirements of the minor in Missions.
3. The capstone Senior Design Project (ENGR4971 and ENGR4972) for the engineering degree must involve an approved Christian mission and/or compassionate engineering design project in conjunction with the religion department. When approved, these 4 credits will count for the PRTH3960 Field Experience in Christian Ministry, and PRTH4960 Internship in Christian Ministry courses in the Missions minor.
4. The NNU General Education Cross Cultural Experience must be satisfied by completing an approved two week or longer field visit to build/install the capstone design project.

Bachelor of Science, Physics

Objective: To prepare students for graduate school or industry.

Administrator: Chair, Department of Physics and Engineering

Requirements: 65 credits including 31 in physics.

CHEM2210. General Chemistry I (3); **and,**

CHEM2210L. General Chemistry I Laboratory (1)

CHEM2220. General Chemistry II (3); **and,**

CHEM2220L. General Chemistry II Laboratory (1)

CHEM3510. Thermodynamics and Kinetics (3)

MATH2510. Calculus I (4)

MATH2520. Calculus II (4)

MATH3240. Probability and Statistics I (3)

MATH3530. Vector Calculus (3)

MATH3540. Differential Equations (3)

MATH3560. Numerical Analysis (3)

PHIL3520. Philosophy of Science (3)

PHYS2110. Physics for Science and Engineering I (3); **and,**

PHYS2110L. Physics for Science and Engineering I Laboratory (1)

PHYS2120. Physics for Science and Engineering II (3); **and,**

PHYS2120L. Physics for Science and Engineering II Laboratory (1)

PHYS2310. Instrumentation in Experimental Physics I (1)

PHYS2320. Instrumentation in Experimental Physics II (1)

PHYS3130. Modern Physics (3); **and,**

PHYS3130L. Modern Physics Laboratory (1)

PHYS3410. Analytic Mechanics (3)

PHYS4610. Electricity and Magnetism (3)

PHYS4710 Optics (3)

PHYS4720. Solid State Physics (3)

PHYS4810. Fundamentals of Quantum Mechanics (3)

*PHYS4970. Research (1)

**PHYS4980. Senior Seminar/Capstone (1)

In addition the student must take the Physics Major Fields Examination in their last semester.

*A minimum of one credit is required, but a maximum of three credits in PHYS4970 will be allowed toward the major.

**PHYS4980 must be taken at Northwest Nazarene University

Bachelor of Arts, Physics

Objective: To prepare students to enter fields such as medicine or law and for students planning to enter a profession closely related to physics such as health physics, biophysics, chemical physics, or business technology.

Administrator: Chair, Department of Physics and Engineering

Requirements: 55 credits including 21 in physics of which 13 shall be numbered above 2999.

PHYS2110. Physics for Science and Engineering I (3); **and,**

PHYS2110L. Physics for Science and Engineering I Laboratory (1)

PHYS2120. Physics for Science and Engineering II (3); **and,**

PHYS2120L. Physics for Science and Engineering II Laboratory (1)

PHYS3130. Modern Physics (3); **and,**

PHYS3130L. Modern Physics Laboratory (1)

Nine elective upper division credits in physics (9)

CHEM2210. General Chemistry I (3); **and,**

CHEM2210L. General Chemistry I Laboratory (1)

CHEM2220. General Chemistry II (3); **and,**

CHEM2220L. General Chemistry II Laboratory (1)

MATH2510. Calculus I (4)

MATH2520. Calculus II (4)

MATH3530. Vector Calculus (3)

MATH3540. Differential Equations (3)

In addition, the student must take the Major Fields Examination in their last semester.

Twelve (12) credits in another discipline of which nine (9) shall be numbered above 2999.

Note: Normally these courses will fulfill the requirements of a pre-professional school or will complement physics in areas such as chemical physics, biophysics, health physics, or business.

For students desiring to fulfill this requirement in mathematics, the 12 credits must be in addition to those listed within the major.

Minor, Physics

Objective: This program will give a student pursuing a liberal arts degree a background in the field of physics.

Administrator: Chair, Department of Physics and Engineering

Requirements: 18 credits, including 10 upper division credits. Every student must complete the following courses along with two of the options.

PHYS2110. Physics for Science and Engineering I (3); **and,**

PHYS2110L. Physics for Science and Engineering I Laboratory (1)

PHYS2120. Physics for Science and Engineering II (3); **and,**

PHYS2120L. Physics for Science and Engineering II Laboratory (1)

PHYS3130. Modern Physics (3); **and,**

PHYS3130L. Modern Physics Laboratory (1)

Choose two courses from the following:

PHYS3410. Analytic Mechanics (3)

PHYS4610. Electricity and Magnetism (3)

PHYS4710. Optics (3)

PHYS4720. Solid State Physics (3)

PHYS4810. Fundamentals of Quantum Mechanics (3)

Department of Psychology, Sociology, and Criminal Justice

The Department of Psychology, Sociology, and Criminal Justice provides an interdisciplinary approach to the study of individuals and groups. The department offers a broad understanding of human behavior, including the development, relationships, physiological functioning, and interactions of individuals in systems. Drawing primarily on models from psychology, sociology, and criminal justice, the department educates students in the methods of social and psychological research; diversity and its various expressions; indigenous experience; national, international, ethnic, religious, class, and gender perspectives; and models of advocacy and social justice. The department contributes to the liberal arts education of NNU students through courses offered to meet the general education core requirement, and those that support major requirements in other disciplines. More in-depth study leads to the majors in criminal justice, psychology, and sociology. Each of these provides students with a solid background in the questions, methods, and theories of the disciplines, and prepares them for occupations and further study in psychology, sociology, culture, and related fields. The department models and trains its students to be Christian professionals serving the community.

Faculty: Glenna Andrews, David Blowers, Benjamin Earwicker, Elizabeth List

Majors

Bachelor of Arts, Criminal Justice

Bachelor of Arts, Psychology

Pre-Counseling Psychology Emphasis

Neuroscience/Neuropsychology Emphasis

Scientist/Practitioner Emphasis

Bachelor of Arts, Sociology

Bachelor of Science, Criminal Justice

Psychology Education

See Secondary Education: Psychology Second Teaching Field

Minors

Criminal Justice

Psychology

Sociology

Bachelor of Arts, Criminal Justice

The mission of the Criminal Justice major is to graduate individuals who (1) are prepared to enter occupations or graduate study in the field with strong liberal arts skills (acquire information from a variety of sources; communicate clearly and effectively in written and oral formats; understand and work effectively with individuals from a variety of backgrounds; and think critically and make informed decisions); (2) are competent in the theories, models, and methods of investigation in criminology, and in the fields and practices within criminal justice; and (3) carry into their professional work the university outcomes of Christlike character, academic excellence, social responsiveness, and creative engagement. The major will serve students as part of a traditional four-year Christian liberal arts program, and also graduates from a community college program in criminal justice, or individuals who hold the BA degree in another field and wish to change professions.

Administrator: Chair, Department of Behavioral Sciences

Learning Objectives:

1. Graduates with this major will demonstrate skills consistent with a liberal arts education, including the abilities to read and listen with understanding; learn independently; communicate clearly and effectively in written and oral formats; think critically; work effectively in teams; make thoughtful decisions; and show sensitivity to and skills working with diverse populations.
2. Graduates with this major will articulate the impact of a Christian, and specifically Wesleyan, understanding of human nature and society, justice, grace and restoration on thinking and practice in criminal justice occupations.
3. Graduates with this major will demonstrate appreciation for and application of the values of honesty and personal integrity; dignity and worth of individuals; and fairness and justice.
4. Graduates with this major will competently discuss and apply a knowledge base including introductory level courses in behavioral sciences: sociology, psychology, political science; exposure to the fundamental theories and practices in criminology, delinquency, law enforcement, corrections, criminal law and the court systems; and methods of study in social sciences, and criminology in particular.
5. Graduates with this major will have exposure to a variety of professionals in the field, and experience and service learning in at least one work setting.
6. Graduates with this major will be prepared for entry level work in a variety of occupations in the field of criminal justice, and/or to enter graduate training in the field.

Requirements: 39-40 credits of which 21 shall be numbered above 2999

COMM2030. Interpersonal Communications (3)

CRIM1500. Introduction to Criminal Justice (3)

CRIM2250. Law Enforcement and Community Policing (3)

CRIM2960. Criminal Justice Practicum (1)

CRIM3150. Corrections (3)

CRIM3200. Juvenile Justice (3); **or**,

CRIM3550. Criminology (3)

CRIM4250. Criminal Court Systems (3); **or**,

CRIM4350. Criminal Law (3)

CRIM4960. Internship in Criminal Justice (3-15)

POLS1030. Foundations of Politics: The Quest for Peace and Justice (3)

POLS4420. Civil Rights and Civil Liberties (3)

PSYC1550. Introduction to Psychology (3)

PSYC3450. Abnormal Psychology (3)

SOGY3030. Ethnography: Exploring Intercultural Dynamics (3)

SOGY3180. Race, Class, and Gender (3); **or**,

SOGY2430. Social Problems (2)

Criminal Justice field test to be completed during the senior year.

Bachelor of Arts, Sociology

The Sociology major (formerly Cultural Studies, Scientist/Sociologist Emphasis) at NNU provides students with a broad theoretical framework and approaches in the study of society. Students will study humankind in groups and subgroups, cultures, social lives of people and groups, and global social processes.

Administrator: Chair, Department of Psychology, Sociology, and Criminal Justice

Learning Objectives:

1. Graduates of this major will be able to conduct ethnographic and statistical research and understand research methods in cultural studies and sociology. (Academic Excellence)
2. Graduates of this major will be able to critically and thoughtfully analyze social issues from a variety of perspectives, and will demonstrate comprehensive understanding of ethnicity, social aspects of religion, gender, and class. (Creative Engagement and Social Responsiveness)
3. Graduates of this major and general education students will be able to use a variety of information technologies to research topics in the literature of related fields. (Academic Excellence)
4. Graduates of this major and general education students will be able to identify the major theoretical perspectives and contributors to the discipline. (Academic Excellence)
5. Graduates of this major and general education students will reflect critically on their own cultural values and traditions. Graduates will learn to compare and contrast their own cultures with those studied throughout the major program. (Social Responsiveness, Creative Engagement, Christlike Character)

Requirements: 54 credits of which 32 shall be numbered above 2999 and the cultural immersion experience for major students

CRIM3550. Criminology (3); **or**,

CRIM3200. Juvenile Justice (3)

PSYC1550. Introduction to Psychology (3)

PSYC2100. Lifespan Development (3)

PSYC3640. Experimental Design and Statistical Analysis I (3)

PSYC3640L. Experimental Design and Statistical Analysis Laboratory I (1)

PSYC3650. Experimental Design and Statistical Analysis II (3)

PSYC3650L. Experimental Design and Statistical Analysis Laboratory II (1)

SOGY1550. Introduction to Sociology (3)

SOGY2030. Cultural Anthropology (3); **or**

SOGY3030. Ethnography: Exploring Intercultural Dynamics (3)

SOGY2430. Social Problems in Modern Society (2)

SOGY3180. Race, Class and Gender (3)

SOGY3250. Issues of Developing Nations II (3)

SOGY3340. Sociology of the Family (3)

SOGY3550. Sociology of Religion (3)

One year of a modern foreign language (same language) (8)

Nine credits in cultural studies, psychology, or sociology numbered above 2999 (9)

Cultural Immersion Experience for Major Students: Students majoring in Sociology who have not lived in a cross-cultural setting different from their own culture(s) are required to study in such a setting for an extended period of time. Examples of acceptable experiences are a college-level summer school session or academic-year program at an international school recognized by Northwest Nazarene University. Approved Off-Campus (OCAM prefix) courses or approved transfer courses from travel-study programs may be substituted for courses listed in the categories above. Prior approval of a travel-study program must be obtained from the chair of the department.

Bachelor of Arts, Psychology

Administrator: Chair, Department of Psychology, Sociology and Criminal Justice

Learning Objectives:

1. Graduates of this major and general education students will understand the scientific method in social science and graduates will be able to carry out a research project. (Academic Excellence and Creative Engagement)
2. Graduates of this major will exhibit basic interpersonal skills; an understanding of a variety of professional roles; the purpose of at least one community agency, the clients it serves, and the intervention methods it uses. (Creative Engagement and Social Responsiveness)
3. Graduates of this major and general education students will be able to use a variety of information technologies to research topics in the literature of the field. (Academic Excellence and Creative Engagement)
4. Graduates of this major and general education students will be able to identify the major theories and contributors to the discipline. (Academic Excellence)
5. Graduates of this major will be able to meaningfully discuss the nature and behavior of human beings from Christian and social scientific perspectives, and to recognize the points of consensus and tension between the two. They will understand how to integrate issues of faith and values with the theories and practices of psychology. (Christlike Character)

Requirements: 53-57 credits: 25 core credits of which 18 shall be numbered above 2999, and the requirements for one area of emphasis (28-32)

Core courses: 24 credits

PSYC1550. Introduction to Psychology (3)

PSYC2100. Lifespan Development (3)

PSYC3550. Psychology of Religion (2)

PSYC3640. Experimental Design and Statistical Analysis I (3)

PSYC3640L. Experimental Design and Statistical Analysis Laboratory I (1)

PSYC3650. Experimental Design and Statistical Analysis II (3)

PSYC3650L. Experimental Design and Statistical Analysis Laboratory II (1)

PSYC3960. Field Experience (1-4) (1 required)

PSYC4110. Psychology of Learning (3)

PSYC4110L. Psychology of Learning Laboratory (1)

PSYC4550. Social Psychology (3)

Psychology field test to be completed during the senior year.

Pre-Counseling Psychology Emphasis

To provide background for the understanding of human behavior needed by those students preparing for such vocational areas as education, social service, business, or the ministry.

Requirements: 30-31 credits

PSYC1250. Psychology for Life (2)

PSYC2740. Helping Skills (2)

PSYC3100. Contemporary Approaches in Child & Adolescent Development (3)

PSYC3450. Abnormal Psychology (3)

PSYC3750. Counseling Theory (2)

PSYC4720. Group Theory and Processes (3)

PSYC4720L. Group Theory and Processes Laboratory (1)

Two or three elective credits in psychology (PSYC2110 will not meet this requirement) (2-3)

Twelve credits in Christian education, practical theology, sociology, or social work selected in consultation with a psychology faculty advisor: (12)

Suggested courses:

CHED3810. Children's Ministries (2)

CHED3820. Youth Ministries (2)

CHED3840. Family Ministries (2)

PRTH1710. Introduction to Christian Ministry (1)

PRTH3210. Spiritual Formation and Christian Discipleship (2)

PRTH3220. Worship Theory and Development (2)

PRTH3750. Compassionate Ministries (2)

Any SOGY course (2-3)

SOWK1720. Social Welfare in Contemporary Society (3)

SOWK2110. Introduction to Social Work (3)

SOWK3250. Substance Abuse, Prevention, and Intervention (3)

SOWK3350. Child Welfare Services (3)

SOWK3450. Gerontology and Geriatric Social Work (3)

SOWK4094. Topics in Social Work (1)

Neuroscience/Neuropsychology Emphasis

This emphasis is designed for students interested in working with the theory and methods of psychology within brain and behavior.

Requirements: 32 credits

PSYC3250. Introduction to Neuropsychology (3)

PSYC3560. Neuropsychological Assessment (2)

PSY3850. Biological Foundations of Behavior (3)

PSYC3850L. Biological Foundations of Behavior Lab (1)

PSYC4610. Psychological Testing (3)

PSYC4850. Introduction to Psychopharmacology (2)

PSYC4950. Practicum in Mental Measurement (3)

PSYC4970. Senior Research in Psychology (1-4) (1 required)

PHIL3520. Philosophy of Science (3)

BIOL2010. Human Anatomy and Physiology I (3), **and**

BIOL2010L. Human Anatomy and Physiology I Laboratory (1); **or**,

BIOL2220. General Biology I (3), **and**

BIOL2220L. General Biology I Laboratory (1)

BIOL3720. Genetics (3)

Modern foreign language (4)

Scientist/Practitioner Emphasis

A course of study in general psychology for students who plan on graduate training in clinical psychology, experimental psychology or related fields. Practice in professional clinical psychology in many states requires, as a minimum, the master's degree.

Requirements: 28 credits

BIOL2010. Human Anatomy and Physiology I (3), **and**

BIOL2010L. Human Anatomy and Physiology I Laboratory (1); **or**,

BIOL2220. General Biology I (3), **and**

BIOL2220L. General Biology I Laboratory (1)

PHIL2010. Introduction to Philosophy (3)

PHIL3520. Philosophy of Science (3)

PSYC3850. Biological Foundations of Behavior (3)

PSYC3850L. Biological Foundations of Behavior Laboratory (1)

PSYC4750. History and Systems of Psychology (2)

PSYC4970. Senior Research in Psychology (1-4) (1 required)

Three elective credits in psychology (PSYC2110 will not meet this requirement) (3)

One year of a modern foreign language (same language) (8)

Bachelor of Science, Criminal Justice

The mission of the Criminal Justice major is to graduate individuals who (1) are prepared to enter occupations or graduate study in the field with strong liberal arts skills (acquire information from a variety of sources; communicate clearly and effectively in written and oral formats; understand and work effectively with individuals from a variety of backgrounds; and think critically and make informed decisions); (2) are competent in the theories, models, and methods of investigation in criminology, and in the fields and practices within criminal justice; and (3) carry into their professional work the university outcomes of Christlike character, academic excellence, social responsiveness, and creative engagement. The major will serve students as part of a traditional four-year Christian liberal arts program, and also graduates from a community college program in criminal justice, or individuals who hold the BA degree in another field and wish to change professions.

Administrator: Chair, Department of Psychology, Sociology and Criminal Justice

Learning Objectives:

1. Graduates with this major will demonstrate skills consistent with a liberal arts education, including the abilities to read and listen with understanding; learn independently; communicate clearly and effectively in written and oral formats; think critically; work effectively in teams; make thoughtful decisions; and show sensitivity to and skills working with diverse populations.
2. Graduates with this major will articulate the impact of a Christian, and specifically Wesleyan, understanding of human nature and society, justice, grace and restoration on thinking and practice in criminal justice occupations.
3. Graduates with this major will demonstrate appreciation for and application of the values of honesty and personal integrity; dignity and worth of individuals; and fairness and justice.
4. Graduates with this major will competently discuss and apply a knowledge base including introductory level courses in behavioral sciences: sociology, psychology, political science; exposure to the fundamental theories and practices in criminology, delinquency, law enforcement, corrections, criminal law and the court systems; and methods of study in social sciences, and criminology in particular.
5. Graduates with this major will have exposure to a variety of professionals in the field, and experience and service learning in at least one work setting.
6. Graduates with this major will be prepared for entry level work in a variety of occupations in the field of criminal justice, and/or to enter graduate training in the field.

Requirements: 54-55 credits of which 33 shall be numbered above 2999

COMM2030. Interpersonal Communications (3)
CRIM1500. Introduction to Criminal Justice (3)
CRIM2250. Law Enforcement and Community Policing (3)
CRIM2960. Criminal Justice Practicum (1)
CRIM3150. Corrections (3)
CRIM3200. Juvenile Justice (3)
CRIM3550. Criminology (3)
CRIM4250. Criminal Court Systems (3); **or**,
 CRIM4350. Criminal Law (2)
CRIM4960. Internship in Criminal Justice (3-15)
POLS1030. Foundations of Politics: The Quest for Peace and Justice (3)
POLS4420. Civil Rights and Civil Liberties (3)
PSYC1550. Introduction to Psychology (3)
PSYC3450. Abnormal Psychology (3)
PSYC3640. Experimental Design and Statistical Analysis I (3)
PSYC3640L. Experimental Design and Statistical Analysis Lab I (1)
PSYC4550. Social Psychology (3)
SOGY1550. Introduction to Sociology (3)
SOGY2430. Social Problems in Modern Society (2)
SOGY3030. Ethnography: Exploring Intercultural Dynamics (3), **or**,
 COMM4094. Topics: Intercultural Communication (3)
SOGY3180. Race, Class, and Gender (3)
Criminal Justice field test to be completed during the senior year.

Minor, Criminal Justice

The minor in criminal justice provides an introduction to the field of criminal justice and enables students to explore issues related to the nature and treatment of crime; the relationships among law, social order and social justice; and the application of Christian principles to such issues.

Administrator: Chair, Department of Behavioral Sciences

Requirements: 23-24 credits of which 15 shall be numbered above 2999

CRIM3200. Juvenile Justice (3); **or**,
 CRIM3550. Criminology (3)
POLS1030. The Foundations of Politics: Quest for Peace and Justice (3)
POLS4420. Civil Rights and Civil Liberties (3)
PSYC1250. Psychology for Life (2); **or**,
 PSYC1550. Introduction to Psychology (3)
PSYC3450. Abnormal Psychology (3)
SOGY2430. Social Problems in Modern Society (2)
SOGY3180. Race, Class and Gender (3)
Three credits in political science, psychology, or sociology numbered above 2999 (3)

Minor, Sociology

The minor in sociology provides students majoring in areas other than behavioral sciences the opportunity to enhance their understanding of cultural and sociological concepts and deepen their appreciation of diverse cultural expressions.

Administrator: Chair, Department of Psychology, Sociology, and Criminal Justice

Requirements: 19-23 credits, of which 6 shall be numbered above 2999, and the cultural immersion experience for minor students

ENGL3420. Foreign Literature in Translation (3); **or**,

ENGL4270. Minority Voices in American Literature (3)

SOGY1550. Introduction to Sociology (3)

SOGY2030. Cultural Anthropology (3) **or**,

SOGY3030. Ethnography: Exploring Intercultural Dynamics (3)

One course selected from:

SOGY2250. Issues of Developing Nations I (3)

SOGY3180. Race, Class and Gender (3)

SOGY3250. Issues of Developing Nations II (3)

SOGY3550. Sociology of Religion (3)

One or two semesters of a modern foreign language (4-8) (same language)

Three credits in sociology or cultural studies numbered above 2999 (3)

Cultural Immersion Experience for Minor Students: Students who have not lived in a cross-cultural setting different from their own culture(s) are required to study in such a setting for a brief period of time. Examples of acceptable experiences are a four-week college-level summer school session, or similar program at an international school recognized by Northwest Nazarene University. Approved Off-Campus (OCAM prefix) courses or approved transfer courses from travel-study programs may be substituted for courses listed in the categories above. Prior approval of a travel-study program must be obtained from the chair of the department.

Minor, Psychology

Administrator: Chair, Department of Behavioral Sciences

Requirements: 21 credits of which 11 shall be numbered above 2999

PSYC1250. Psychology for Life (2)

PSYC1550. Introduction to Psychology (3)

PSYC2100. Lifespan Development (3)

PSYC3640. Experimental Design and Statistical Analysis I (3)

PSYC3640L. Experimental Design and Statistical Analysis Laboratory I (1)

PSYC4110. Psychology of Learning (3)

PSYC4110L. Psychology of Learning Laboratory (1)

PSYC4550. Social Psychology (3)

Two credits in psychology (PSYC2110 does not count toward these credits) (2)

Department of Religion

Faculty: Jay Akkerman, Rhonda Carrim, Joseph Gorman, Mike Kipp, Diane Leclerc, Mark Maddix, Thomas Oord, Brent Peterson, Stephen Riley, Ed Robinson, James Rotz, Richard Thompson.

The Department of Religion serves both general students and departmental majors.

Department Objectives:

1. **Christlike Character:** Graduates will grow toward spiritual maturity, using their knowledge of the Bible, the rich heritage of the Christian faith, and Christian values to represent Christ to the world and build the community of Christ.
2. **Academic Excellence:** Through integrative reflection on the Bible, theology, history, philosophy, ethics and contemporary society, graduates will develop a world view consonant with both reason and revelation that will continue to develop beyond the classroom.
3. **Creative Engagement:** Graduates will respond to needs with inspired solutions as they live lives of service in the world and in the church.
4. **Social Responsiveness:** In response to the claims of the Gospel, graduates will engage in Christian praxis with an expansive spirit that acknowledges the worth and dignity of all.

Graduates of the Department will be able to enter pastoral or lay ministries according to their calling and choice of minor.

Majors

Bachelor of Arts, Biblical Studies
Bachelor of Arts, Christian Ministry
Bachelor of Arts, Intercultural Ministry (Missions)
Bachelor of Arts, Philosophy and Religion (see Department of Philosophy)
Bachelor of Arts, Youth Ministry

Minors

Bible
Biblical Languages
Children's Ministries
Christian Education
Christian Ministry
Evangelism
Missions
Parachurch Ministries
Pastoral Ministries
Theology
Worship Leadership
Youth Ministries

Minors in the Department of Religion serve two purposes:

1. Combined with the Christian Ministry major, most minors equip students for focused ministry.
2. The minors provide an introduction to focused ministry areas and/or academic disciplines for non-departmental majors.

In consultation with a Religion Department faculty advisor, an individualized minor may be designed to prepare a student for a ministry area not addressed by the published minors. The graduates of the Christian Ministry, Youth Ministry, or Intercultural Ministry major with a departmental minor and ministerial standing fulfill the Course of Study (COS) educational requirements for ordination in the Church of the Nazarene. These include the following outcomes:

1. **Content:** Graduates will have knowledge of the content and interpretation of the Old and New Testaments, the theology of the Christian faith, the doctrine of holiness, the history and mission of the church and the history and polity of the Church of the Nazarene.
2. **Competency:** Graduates will possess abilities in oral and written communication, analytical thinking, management and leadership, finance and church administration, preaching, pastoral care and counseling, worship leadership, evangelism and Christian education.
3. **Character:** Graduates will have knowledge of Christian ethics, spiritual formation, human development, and marriage and family life. They will demonstrate personal growth in their own character and spirituality.
4. **Context:** Graduates will have knowledge of the historical, social and contemporary environment in which they minister and be able to relate the mission of the church to that context

Ministerial Preparation

The Department of Religion provides oversight and guidance to students preparing for Christian vocational ministry. Ministerial preparation includes academic achievement, personal development, and divine calling. Each major or minor sets forth a program of academic achievement.

The student's progress is monitored by the administrator of the major or minor. Matters of personal development are treated in a series of courses (PRTH1710, 2960, 3210, 3960, 4960) spread throughout the student's years of enrollment. Such matters as a call to ministry, personal religious experience, self-understanding and character development, professional conduct, avenues of Christian service, and ministerial licensing are discussed with each student. These courses include many hours of field experience and internship in a ministry setting, as well as personal interviews by members of the faculty and area pastors.

Because of the increasing complexity of ministry in contemporary society, the School and the Church of the Nazarene strongly encourage all ministerial students to prepare themselves well and complete a seminary education. Those students who do not intend to pursue graduate-level education for ministry preparation are urged to select the Christian Ministry major with an appropriate departmental minor in preparation for ministry following graduation. Those students who intend to fulfill the educational requirements for ordination in the Church of the Nazarene through their undergraduate program must complete either the Christian Ministry major with an appropriate departmental minor or the Missions major with a minor in Christian Ministry.

Ministerial Standing

Ministerial Standing is a formative process that encourages the highest possible standards in students planning to enter vocational ministry. This process seeks to be developmental and holistic by recognizing personal growth in students over time, rather than merely applying a fixed standard uniformly. The items assessed in the process toward acceptance are: academic excellence, personal initiative (Social Responsiveness), leadership, spiritual formation (Christ-like Character), and the ability to integrate academic learning into the local ministry context (Creative Engagement).

Prior to achieving Ministerial Standing, a student is considered to be in ministry observation/exploration. However, Ministerial Standing is mandatory for formal admission to a program of ministry preparation and for graduation with a Christian Ministry, Youth Ministry or Intercultural Ministry major from the School of Theology and Christian Ministries (STCM). Ministerial Standing is also required for those students who are seeking to fulfill the educational requirements for ordination in the Church of the Nazarene. In addition, Ministerial Standing will be strongly considered in awarding Religion Department scholarships as well as in making recommendations to local churches, pastors, church leaders, and graduate schools.

Application to Ministerial Standing:

To be eligible for a program of ministry preparation, a student must meet the following requirements for the achievement of Ministerial Standing:

1. complete the following courses prior to application: PRTH1710, CHED1810, and BIBL1100
2. have a minimum cumulative grade point average of 2.5 or better
3. apply for Ministerial Standing in the spring semester of the student's sophomore year and reapply each subsequent year
4. obtain favorable character references from peers, NNU faculty, NNU Student Development, and pastors
5. submit critical assignments in ministerial training
6. interview with a STCM faculty subcommittee and
7. receive a favorable recommendation for the granting of Ministerial Standing from the STCM faculty.

Students who do not achieve Ministerial Standing will receive clear feedback and be encouraged to reapply the following year.

Continuation of Ministerial Standing:

To continue to hold Ministerial Standing, a student must meet the following requirements:

1. make progress toward the completion of the student's degree program by being enrolled in NNU during one of the previous two semesters
2. maintain a minimum cumulative grade point average of 2.5 or better
3. reapply for Ministerial Standing annually (including the application requirements above) and
4. receive favorable recommendations from field experience and/or internship.

Failure to meet any of these four requirements will result in the withdrawal of Ministerial Standing. Graduating seniors who do not achieve Ministerial Standing cannot graduate with a Christian Ministry, Youth Ministry or Intercultural Ministry major but may seek to graduate from the university with a different major. However, a student whose Ministerial Standing has been withdrawn may reapply after one semester, with a favorable recommendation from the Dean of the School of Theology and Christian Ministries.

Bachelor of Arts, Biblical Studies

Objective: This major provides students with opportunity to develop skills in the interpretation of the Bible, including the development of beginning skills in the biblical languages. This major complements other programs offered in the Department of Religion, the School of Theology and Christian Ministries, and the University at large. Although most programs within the Department of Religion are related to vocational forms of ministry, this particular major may be taken by persons with either vocational or personal interests and goals.

Graduates of the Biblical Studies major with ministerial standing will demonstrate the following program outcomes:

1. Students will know and be able to describe the overarching narrative of the Bible, the central contents and purposes of its major canonical divisions, and the relationship between the two Testaments.
2. Students will be able to explain and illustrate the phenomenon of intertextuality and the relevance of the literary and historical context of the various parts of the Bible.
3. Students will be able to state and discuss coherently the principles and issues of biblical hermeneutics and to compare and contrast the results of biblical interpretation with the central data of the other theological disciplines, including church history, systematic theology, and ethics.
4. Students will be able to interpret biblical texts, employing appropriate critical methods and demonstrating some competence in translating the original languages of the Bible.
5. Students will be able to analyze the unity and diversity of the various biblical traditions and construct biblical theologies that are faithful to the entire Bible.
6. Students will relate Scripture to life situations, particularly in the context of the church (in preaching, teaching, pastoral care, discipleship, and the practice of ministry), but also in relation to the contemporary cultural context outside the church.
7. Students will be able to locate themselves clearly within the spectrum of biblical scholarship and be able to discuss and differentiate their commitments with others in a civil manner.
8. Students will display and be able to defend the value they assign the Bible, demonstrating how it informs and forms their personal religious identity, spirituality, character, and values.
9. Students will be able to justify the Bible's relevance to their vocational plans, formulating practices consistent with their commitment to Scripture in their chosen field of ministry.

Requirements: 41 credits

Foundational Courses: These courses from the general offerings are required as foundational to the major:

BIBL1100. Introduction to Biblical Studies (3)

COMM1210. Introduction to Public Speaking (2)

ENGL1030. University Writing and Research (3)

HUMN1010. Cornerstone (3)

PHIL2020. Ethics (3)

PSYC1550. Introduction to Psychology (3)

THEO2100. Introduction to Christian Theology (3)

Core Courses:

BIBL3110. Old Testament Interpretation (3)
BIBL3120. New Testament Interpretation (2)
BIBL4410. History of Ancient Israel (2); **or**
BIBL4420. Hebrew Prophets (2)

One of the following:

BIBL4250. Parables of Jesus (2)
BIBL4310. Luke and Acts (2)
BIBL4330. Pauline Epistles (2)
4000-level course in Greek exegesis (2)
GREK2110. Elementary New Testament Greek I (3)
GREK2120. Elementary New Testament Greek II (3)
GREK3010. Intermediate New Testament Greek (2)
HEBR2110. Biblical Hebrew I (3)
HEBR2120. Biblical Hebrew II (3)
CHIS3610. History of the Christian Tradition I (3)
PHIL3010. History of Ancient and Medieval Philosophy (3)
THEO4530. Christian Theology I (3)
THEO4540. Christian Theology II (3)
Additional 6 credits in 4000-level courses in biblical literature (BIBL), Greek exegesis (GREK), and/or religious studies (REST)

Nazarene students with this major who wish to be part of the Ministerial Scholarship program must also take one of the following minors: Children's Ministry, Christian Education, Missions, Pastoral Ministry, Youth Ministry.

Students who wish to fulfill the educational requirements for ordination in the Church of the Nazarene must also satisfactorily complete the following:

CHED1810. Christian Discipleship (3)
CHIS2410. History and Manual, Church of the Nazarene (2)
CHIS3620. History of the Christian Tradition II (3)
PHIL3080. Critical Reasoning (3)
PRTH1710. Introduction to Christian Ministry (1)
PRTH2400. Introduction to Christian Missions (3)
PRTH2960. Field Experience in Christian Ministry (1)
PRTH3210. Spiritual Formation (2)
PRTH3220. Worship Theory and Development (2)
PRTH3710. Preaching (3)
PRTH3960. Field Experience in Christian Ministry (1)
PRTH4710. Missional Growth and Health (2)
PRTH4820. Pastoral Leadership (3)
PRTH4960. Internship in Ministry (3)
THEO3590. Theology of the Church (3)
THEO4240. Theology of Holiness (2)
Ministerial Standing (Senior year)

Bachelor of Arts, Christian Ministry

Objective: This major prepares students to go directly into ministry after graduation. It is strongly recommended that students also complete a departmental minor. The combination of the Christian Ministry major with a designated departmental minor provides the educational requirements for ordination as an elder in the Church of the Nazarene. Other denominations' requirements may be met through the selection of elective courses.

Graduates of the Christian Ministry major with ministerial standing will demonstrate the following program outcomes:

1. Students will know the general content and purposes of the major divisions of the Bible and the relationship between the Testaments.
2. Students will understand and apply principles of biblical hermeneutics by exegeting passages of Scripture, using forms of biblical criticism and relating their work to other theological disciplines.
3. Students will value and relate Scripture to their own spiritual growth and to life situations, particularly in the context of the Church's pastoral practices.
4. Students will know and describe key themes of Wesleyan theology within the thought and history of the Christian Church: the attributes of the Triune God, Incarnation, the condition and hope for humanity and creation, the loving and saving nature of the divine-human relationship, the meaning of holiness, and the call to character and service for followers of Christ.
5. Students will integrate Wesleyan theology with pastoral theology to construct and develop a theology of worship, preaching, sacraments, leadership and ministry.
6. Students will serve as creative and redemptive agents by participating in the Church, by valuing all persons and creation through practicing love and stewardship.
7. Students will explain and construct sophisticated philosophical arguments, both orally and in writing, critically evaluating arguments using principles of sound reasoning from both formal and informal logic.
8. Students will identify and define key themes within the history of Western philosophy.
9. Students will know and develop biblical, historical, cultural/sociological, and theological principles for the practices of ministry: constructing sermons and lessons, designing and leading worship, responding to the need of her/his congregation, initiating and fostering congregational health, building congregational leaders, and analyzing and constructing a plan to reach the community.
10. Students will know and describe how to lead, disciple, evangelize, and equip the church for ministry.
11. Students will display a growing personal and spiritually transformed life valuing personal, pastoral, and professional integrity in serving as an example of holiness of heart and life.

Requirements: 54 credits plus an approved minor

Foundational Courses: These courses from the general offerings are required as foundational to the major:

BIBL1100. Introduction to Biblical Studies (3)

COMM1210. Introduction to Public Speaking (2)

ENGL1030. University Writing and Research (3)

HUMN1010. Cornerstone (3)

PHIL2020. Ethics (3)

PSYC1550. Introduction to Psychology (3)

THEO2100. Introduction to Christian Theology (3)

THEO3590. Theology of the Church (3)

Core Courses:

BIBL3110. Old Testament Interpretation (3)

BIBL3120. New Testament Interpretation (2)

BIBL4410. History of Ancient Israel (2); **or**

BIBL4420. Hebrew Prophets (2)

Choose one of the following:

BIBL4250. Parables of Jesus (2)

BIBL4310. Luke and Acts (2)

BIBL4330. Pauline Epistles (2)

4000-level course in Greek exegesis (2)

CHED1810. Christian Discipleship (3)

GREK2110. Elementary New Testament Greek I (3); **or**

HEBR2110. Biblical Hebrew I (3)

CHIS2410. History and Manual, Church of the Nazarene (2) (Non-Nazarene students may select an alternate course with advisor's approval)

CHIS3610. History of the Christian Tradition I (3)

CHIS3620. History of the Christian Tradition II (3)

PHIL3010. History of Ancient and Medieval Philosophy (3); **or**

PHIL4520. Philosophy of Religion (3)

PHIL3080. Critical Reasoning (3)

PRTH1710. Introduction to Christian Ministry (1)

PRTH2400. Christian Missions (3)

PRTH2960. Field Experience in Christian Ministry (1)

PRTH3210. Spiritual Formation (2)

PRTH3220. Worship Theory and Development (2)

PRTH3710. Preaching (3)

PRTH4710. Missional Growth and Health (2)

PRTH4820. Pastoral Leadership (3)

THEO4240. Theology of Holiness (2)

THEO4530. Christian Theology I (3)

THEO4540. Christian Theology II (3)

Ministerial Standing (Senior year)

Bachelor of Arts, Intercultural Ministry (Missions)

Objective: The major prepares students to minister in a global cross-cultural setting. It provides a wide range of foundational knowledge and skills with specific focus in a mission world view. The School will help students work through the appropriate steps leading to appointment as missionaries by the Church of the Nazarene or other mission agencies. The major does not meet ordination requirements in the Church of the Nazarene. However, students can fulfill ordination requirements by also taking the Christian Ministry minor. Seminary is recommended for further preparation.

Graduates of the Intercultural Ministry (Missions) major and ministerial standing will demonstrate the following program outcomes:

1. Students will know the general content and purposes of the major divisions of the Bible and the relationship between the Testaments.
2. Students will understand and apply principles of biblical hermeneutics by exegeting passages of Scripture, using forms of biblical criticism and relating their work to other theological disciplines and intercultural contexts.
3. Students will value and relate Scripture to their own spiritual growth and to life situations in ways that demonstrate respect and sensitivity in intercultural contexts.
4. Students will know and describe key themes of Wesleyan theology within the thought and history of the Christian Church: the attributes of the Triune God, Incarnation, the condition and hope for humanity and creation, the loving and saving nature of the divine-human relationship, the meaning of holiness, and call to character and service for followers of Christ.
5. Students will integrate Wesleyan theology with a biblical theology of Christian mission to construct and develop a theology of leadership and ministry in intercultural contexts.
6. Students will serve as creative and redemptive agents by participating in the Church, by valuing intercultural ecclesial communities, and by valuing all persons and creation through practicing love and stewardship.
7. Students will explain and construct philosophical arguments, both orally and in writing, critically evaluating arguments using principles of sound reasoning from both formal and informal logic.
8. Students will know and develop biblical, historical, cultural/sociological, and theological principles for the practices of intercultural ministry: respectful engagement with other cultures and religions; initiating and/or fostering intercultural relationships in conjunction with God's mission (*missio Dei*); partnering with those from other cultural contexts in responding to the needs of people (individuals and groups), a community, and/or a congregation.
9. Students will compile the basic principles of the social sciences for the purposes of integrating them into living and the practice of ministry in an intercultural context. This includes knowing and appraising the theories behind and best practices for ministry, and knowing how to contextualize such theory and practice to intercultural settings.
10. Students will display a growing personal and spiritually transformed life valuing personal, social, and professional integrity in serving as an example of holiness of heart and life.

Requirements: 52 credits

Foundational Courses: These courses from the general offerings are required as foundational to the major:

- BIBL1100. Introduction to Biblical Studies (3)
- COMM1210. Introduction to Public Speaking (2)
- COMM2030. Interpersonal Communication (3)
- ECON3010. Personal Finance and Stewardship (3)

Choose one of the following:

- ENGL2420. World Literature: The Ancient World to the Renaissance (3)
- ENGL2430. World Literature: The Enlightenment to the Modern Era (3)
- ENGL3420. Foreign Literature in Translation (3)
- ENGL4270. Minority Voices in American Literature (3)
- HUMN1010. Cornerstone (3)
- PHIL2020. Ethics (3)
- PSYC1550. Introduction to Psychology (3)
- THEO2100. Introduction to Christian Theology (3)
- THEO4530. Christian Theology I (3)

Core Courses:

- BIBL3110. Old Testament Interpretation (3)
- BIBL3120. New Testament Interpretation (2)

Choose one of the following:

- BIBL4250. Parables of Jesus (2)
 - BIBL4310. Luke and Acts (2)
 - BIBL4330. Pauline Epistles (2)
 - BIBL4410. History of Ancient Israel (2)
 - BIBL4420. Hebrew Prophets (2)
 - CHED1810. Christian Discipleship (3)
 - CHIS3620. History of Christian Tradition II (3)
 - PHIL3080. Critical Reasoning (3)
 - PRTH1710. Introduction to Christian Ministry (1)
 - PRTH2400. Christian Missions (3)
 - PRTH2600. Foundations for Cross-Cultural Ministry (1)
 - PRTH2960. Field Experience in Christian Ministry (1)
 - PRTH3210. Spiritual Formation (2)
 - PRTH3400. Cross-Cultural Communication of the Gospel (2)
 - PRTH3750. Compassionate Ministries (2)
 - PRTH4710. Missional Growth and Health (2)
 - PRTH4820. Pastoral Leadership (3)
 - PRTH4960. Internship in Ministry (3)
 - REST3560. World Religions: Asian Traditions (2); **or**
 - REST3570. World Religions: Western Traditions (2)
 - SOGY2030. Cultural Anthropology (3); **or**
 - SOGY3030. Ethnography (3)
 - SOGY2250. Issues of Developing Nations I (3)
 - THEO4240. Theology of Holiness (2)
 - THEO4540. Christian Theology II (3)
- Additional 3 credits (beyond major and foundational course requirements) in business, economics, cultural studies, political science, or sociology
- For those desiring to complete the Course of Study educational requirements for ordination in the Church of the Nazarene, a Christian Ministry minor would also be required.

Bachelor of Arts, Youth Ministry

Objective: This major prepares students for a variety of youth ministry settings, including both local church and parachurch contexts. For those students from the Church of the Nazarene, educational requirements for ordination as an elder in the Church of the Nazarene also require the Christian Ministry minor along with this major. Other denominations' requirements may be met through the selection of elective courses.

Graduates of the Youth Ministry major with ministerial standing will demonstrate the following program outcomes:

1. Students will know the general content and purposes of the major divisions of the Bible and the relationship between the Testaments.
2. Students will understand and apply principles of biblical hermeneutics by exegeting passages of Scripture, using forms of biblical criticism and relating their work to other theological disciplines.
3. Students will value and relate Scripture to their own spiritual growth and to life situations, particularly in the context of the Church's pastoral practices.
4. Students will know and describe key themes of Wesleyan theology within the thought and history of the Christian Church: the attributes of the Triune God, Incarnation, the condition and hope for humanity and creation, the loving and saving nature of the divine-human relationship, the meaning of holiness, and the call to character and service for followers of Christ.
5. Students will integrate Wesleyan theology with pastoral theology to construct and develop a theology of worship, preaching, sacraments, leadership and ministry.
6. Students will serve as creative and redemptive agents by participating in the Church, by valuing all persons and creation through practicing love and stewardship.
7. Students will explain and construct philosophical arguments, both orally and in writing, critically evaluating arguments using principles of sound reasoning from both formal and informal logic.
8. Students will identify and define key themes within the history of Western philosophy.
9. Students will know and develop biblical, historical, cultural/sociological, and theological principles for the practices of youth and family ministry: constructing sermons and lessons, designing and leading worship, responding to the need of her/his congregation, initiating and fostering congregational health, building congregational leaders and analyzing and constructing a plan to reach the community.
10. Students will know and describe how to lead, disciple, evangelize, and equip the church for youth and family ministry.
11. Students will display a growing personal and spiritually transformed life valuing personal, pastoral and professional integrity in serving as an example of holiness of heart and life.

Requirements: 54 credits

Foundational Courses: These courses from the general offerings are required as foundational to the major:

BIBL1100. Introduction to Biblical Studies (3)
COMM1210. Introduction to Public Speaking (2)
ENGL1030. University Writing and Research (3)
HUMN1010. Cornerstone (3)
PHIL2020. Ethics (3)
PSYC1550. Introduction to Psychology (3)
THEO2100. Introduction to Christian Theology (3)
THEO3590. Theology of the Church (3)

Core Courses:

BIBL3110. Old Testament Interpretation (3)

BIBL3120. New Testament Interpretation (2)

One of the following:

BIBL4410. History of Ancient Israel (2)

BIBL4420. Hebrew Prophets (2)

BIBL4250. Parables of Jesus (2)

BIBL4310. Luke and Acts (2)

BIBL4330. Pauline Epistles (2)

CHED1810. Christian Discipleship (3)

CHED2220. Instructional Bible Study (2)

CHED3820. Youth Ministries (2)

CHED3840. Family Ministries (2)

CHED3860. Advanced Youth Ministries (2)

CHIS3620. History of the Christian Tradition II (3)

PHIL3080. Critical Reasoning (3)

PRTH1710. Introduction to Christian Ministry (1)

PRTH2400. Introduction to Christian Missions (3)

PRTH2960. Field Experience in Christian Ministry (1)

PRTH3210. Spiritual Formation (2)

PRTH3710. Preaching (3)

PRTH3750. Compassionate Ministries (2)

PRTH3880. Camping and Recreation Ministry (2)

PRTH4710. Missional Growth and Health (2)

PRTH4820. Pastoral Leadership (3)

PRTH4960. Internship in Youth Ministry (3)

THEO4240. Theology of Holiness (2)

THEO4530. Christian Theology I (3)

THEO4540. Christian Theology II (3)

Ministerial Standing (Senior year)

For those desiring to complete the Course of Study educational requirements for ordination in the Church of the Nazarene, a Christian Ministry minor would also be required.

Minor, Bible

Administrator: Richard Thompson

Requirements: 15-18 credits

13 upper division credits in biblical literature (BIBL)

REST4400. Ancient Near East History and Culture (2); **or**

REST4600. Noncanonical Writings and New Testament Interpretation (2)

In addition, all biblical literature courses required for general education and the student's major must be completed.

Required of Christian Ministry Major:

PRTH4960. Internship in Christian Ministry (3)

Minor, Biblical Languages

Administrator: Richard Thompson

Requirements: 16-19 credits

GREK2110. Elementary New Testament Greek I (3)

GREK2120. Elementary New Testament Greek II (3)

GREK3010. Intermediate New Testament Greek (2)

GREK4250. Greek Exegesis: Parables of Jesus (2); **or**

GREK4310. Greek Exegesis: Luke and Acts (2); **or**

GREK4330. Greek Exegesis: Pauline Epistles (2)

HEBR2110. Biblical Hebrew I (3)

HEBR2120. Biblical Hebrew II (3)

Recommended:

BIBL3110. Old Testament Interpretation (3)

BIBL3120. New Testament Interpretation (2)

Required of Christian Ministry Major:

PRTH4960. Internship in Christian Ministry Ministry (3)

Minor, Children's Ministries

Administrator: Mike Kipp

This minor with the Christian Ministry major fulfills the educational requirements for ordination in the Church of the Nazarene.

Requirements: 19-22 credits

CHED2220. Instructional Bible Study (2)

CHED3094. Topics in Christian Ministries (2)

CHED3810. Children's Ministries (2)

CHED3840. Family Ministries (2)

PRTH3750. Compassionate Ministries (2)

PRTH3880. Camping and Recreation Ministry (2)

PRTH3960. Field Experience in Christian Ministry (1)

PSYC2100. Lifespan Development (3)

Required of Christian Ministry and Biblical Studies Majors:

PRTH4960. Internship in Christian Ministry (3)

Required of non-Christian Ministry Majors:

PRTH1710. Introduction to Christian Ministry (1)

PRTH3210. Spiritual Formation (2)

Recommended:

CHED1810. Christian Discipleship (3)

Minor, Christian Education

Administrator: Mark Maddix

This minor with the Christian Ministry major fulfills the educational requirements for ordination in the Church of the Nazarene.

Requirements: 17-23 credits

CHED2220. Instructional Bible Study (2)

CHED3840. Family Ministries (2)

Choose one of the following:

CHED2094. Topics in Christian Ministries (2)

CHED3810. Children's Ministries (2)

CHED3820. Youth Ministries (2)

PRTH3750. Compassionate Ministries (2)

PRTH3880. Camping and Recreation Ministry (2)

PRTH3960. Field Experience in Christian Ministry (1)

PSYC2100. Lifespan Development (3)

Required of Christian Ministry and Biblical Studies Majors:

PRTH4960. Internship in Christian Ministry (3)

Required of non-Christian Ministry Majors:

CHED1810. Christian Discipleship (3)

PRTH1710. Introduction to Christian Ministry (1)

PRTH3210. Spiritual Formation (2)

Recommended:

PRTH4820. Pastoral Leadership (3)

Minor, Christian Ministry

Administrator: Rhonda Carrim

This minor cannot be taken with the Christian Ministry major. However, combined with this minor the Intercultural Ministry (Missions) and Youth Ministries majors fulfill the educational requirements for ordination in the Church of the Nazarene.

Requirements: 17-22 credits

CHIS2410. History and Manual, Church of the Nazarene (2)

CHIS3610. History of the Christian Tradition I (3)

PHIL3010. History of Ancient/Medieval Philosophy (3); **or**

PHIL4520. Philosophy of Religion (3)

PRTH3220. Worship Theory and Development (2)

PRTH3710. Preaching (3)

PRTH3960. Field Experience in Christian Ministry (1)

THEO3590. Theology of the Church (3)

Required of Intercultural Ministry (Missions) and Youth Ministry Majors:

Choose one of the following (not the same course or testament as taken for the major):

BIBL4250. Parables of Jesus (2)

BIBL4310. Luke and Acts (2)

BIBL4330. Pauline Epistles (2)

BIBL4410. History of Ancient Israel (2)

BIBL4420. Hebrew Prophets (2)

Choose one of the following:

GREK2110. Elementary New Testament Greek I (3)

HEBR2110. Biblical Hebrew I (3)

Required of Biblical Studies Majors:

PRTH4960. Internship in Christian Ministry (3)

Minor, Evangelism

Administrator: Mark Maddix

Requirements: 17-21 credits

PRTH2094. Topics in Evangelism (1) (taken twice)

PRTH2400. Introduction to Christian Missions (3)

PRTH3440. Cross-Cultural Communication of the Gospel (2)

PRTH3750. Compassionate Ministry (2)

PRTH3960. Field Experience (1)

PRTH4710. Missional Growth and Health (2)

THEO3560. Theological Explorations of Evangelism (3)

THEO3590. Theology of the Church (3); **or**

CHED2220. Instructional Bible Study (2)

Required of Christian Ministry and Biblical Studies Majors:

PRTH4960. Internship in Christian Ministry (3)

Minor, Missions

Administrator: Rhonda Carrim

This minor with the Christian Ministry major fulfills the educational requirements for ordination in the Church of the Nazarene.

Requirements: 17-20 credits

COMM2030. Interpersonal Communication (3)

SOGY2030. Cultural Anthropology (3)

PRTH2600. Foundations for Cross-Cultural Ministry (1)

PRTH3400. Cross-Cultural Communication of the Gospel (2)

PRTH3750. Compassionate Ministries (2)

PRTH3960. Field Experience in Christian Ministry (1)

REST3560. World Religions: Asian Traditions (2); **or**

REST3570. World Religions: Western Traditions (2)

PRTH4960. Internship in Christian Ministry (3)

Required of non-Christian Ministry Majors:

PRTH2400. Introduction to Christian Missions (3)

Recommended:

COMM3020. Organizational Communication (3)

PSYC1550. Introduction to Psychology (3)

REST3560. World Religions: Asian Traditions (2); **or**

REST3570. World Religions: Western Traditions (2) (to complement the one taken as a minor requirement)

SOGY2250. Issues of Developing Nations I (3)

6 hours of a modern foreign language (for Christian Ministry majors this is in addition to GREK2110 or HEBR2110)

Minor, Parachurch Ministries

Administrator: Mike Kipp

Requirements: 19 credits

PRTH1710. Introduction to Christian Ministry (1)

PRTH1900. Introduction to Parachurch Ministry (2)

PRTH3400. Cross-Cultural Communication of the Gospel (2)

PRTH3750. Compassionate Ministries (2)

PRTH3960. Field Experience in Parachurch Ministry (2)

PRTH4960. Internship in Parachurch Ministry (3)
CHED3820. Introduction to Youth Ministry (2)
CHED3860. Advanced Youth Ministry (2)
COMM2030. Interpersonal Communication (3)

Minor, Pastoral Ministries

Administrator: Jay Akkerman

This minor with the Christian Ministry major fulfills the educational requirements for ordination in the Church of the Nazarene.

Requirements: 17-21 credits

THEO3590. Theology of the Church (3)
4000 level course (2) in (BIBL) biblical literature in addition to all biblical literature courses required for general education and the student's major
PRTH3960. Field Experience in Christian Ministry (1)

Choose one of the following:

PHIL3410. Philosophy and Literature of Existentialism (3)
REST3560. World Religions: Asian Traditions (2)
REST3570. World Religions: Western Traditions (2)

Choose one of the following:

GREK3010. Intermediate New Testament Greek (2)
REST4400. Ancient Near Eastern History and Culture (2)
REST4600. Noncanonical Writings and New Testament Interpretation (2)

Required of Christian Ministry and Biblical Studies Majors:

GREK2120. Elementary New Testament Greek (3); **or**,
HEBR2120. Biblical Hebrew II (3)
PRTH3960. Field Experience in Christian Ministry (1)
PRTH4960. Internship in Christian Ministry (3)

Required of Other non-Christian Ministry Majors:

BIBL3110. Old Testament Interpretation (3)
PRTH1710. Introduction to Christian Ministry (1)
PRTH3210. Spiritual Formation (2)
PRTH3710. Preaching (3)

Recommended:

PRTH4820. Pastoral Leadership (3)

Minor, Theology

Administrator: Thomas Oord

This minor cannot be taken with the Christian Ministry or Intercultural Ministry (Missions) major.

Requirements: 17-18 credits

CHIS3610. History of the Christian Tradition I (3); **or**
CHIS3620. History of the Christian Tradition II (3)
THEO3560. Theological Explorations of Evangelism (3); **or**
THEO3590. Theology of the Church (3)
THEO3540. Christian Holiness (3); **or**
THEO4240. Theology of Holiness (2)
THEO4530. Christian Theology I (3); **or**
THEO4540. Christian Theology II (3)
6 additional credits in church history (CHIS) and/or theology (THEO)

Minor, Worship Leadership

Administrator: Jay Akkerman

This minor with the Christian Ministry major fulfills the educational requirements for ordination in the Church of the Nazarene.

Requirements: 19-20 credits

PRTH3220. Worship Theory and Development (2)

PRTH3250. Worship Leadership and Sacraments (2)

PRTH3710. Preaching (3)

PRTH3960. Field Experience in Christian Ministry (1)

THEO3590. Theology of the Church (3)

One MUSC course in consultation with advisor (2-3)

PRTH4820. Pastoral Leadership (3); **or**

COMM2260. Intermediate Video Production (3)

Required of Christian Ministry and Biblical Studies Majors:

PRTH4960. Internship in Christian Ministry (3)

Required of Other non-Christian Ministry Majors:

PRTH1710. Introduction to Christian Ministry (1)

PRTH3210. Spiritual Formation (2)

Minor, Youth Ministries

Administrator: Mike Kipp

This minor with the Christian Ministry major fulfills the educational requirements for ordination in the Church of the Nazarene.

Requirements: 19 credits

CHED2220. Instructional Bible Study (2)

CHED3820. Youth Ministries (2)

CHED3840. Family Ministries (2)

CHED3860. Advanced Youth Ministries (2)

PRTH3750. Compassionate Ministries (2)

PRTH3880. Camping and Recreation Ministry (2)

PRTH3960. Field Experience in Christian Ministry (1)

PSYC2100. Lifespan Development (3)

Required of Christian Ministry and Biblical Studies Majors:

PRTH4960. Internship (3)

Required of Other non-Christian Ministry Majors:

PRTH1710. Introduction to Christian Ministry (1)

PRTH3210. Spiritual Formation (2)

Recommended:

CHED1810. Christian Discipleship (3)

Department of Social Work

Faculty: Lawanna Lancaster (Department Chair), Mary Curran, Caroline Collins, Ezekiel Ette, LeAnn Stensgaard, Al Sanchez, Scott Slater, Terri Theriot, Drey Campbell

Mission of the Department: The primary program mission is to prepare students for beginning practice in the profession of social work.

Admission to Methods Courses: To qualify for entrance into upper division courses applicable for completion of a degree within the Department of Social Work, students must complete the following requirements:

1. Be officially admitted to Northwest Nazarene University
2. Have a minimum cumulative grade point average of 2.00
3. Declare a major in Social Work
4. Complete SOWK1720, SOWK2110, and SOWK2960 or SOWK2970
5. Be enrolled in or have taken SOWK2850
6. Make application to take methods courses
7. Be interviewed by the Social Work faculty
8. Be accepted by the Social Work faculty to take methods courses

The student will be placed on probationary status if a minimum cumulative grade point average of 2.00 is not maintained.

Major

Bachelor of Arts, Social Work

Minor

Social Welfare

Bachelor of Arts, Social Work

Administrators: Chair, Department of Social Work

Accreditation: This baccalaureate level social work program is accredited by the Council on Social Work Education.

Requirements: 60-63 credits including 42 in social work

Core Requirements:

SOWK2110. Introduction to Social Work and Social Welfare (3)

SOWK2850. Human Behavior in the Social Environment I (3)

SOWK2851. Human Behavior in the Social Environment II (3)

SOWK2960. Field Experience I (1)

SOWK2961. Field Experience II (1); **or**,

SOWK2970. Urban Field Experience (1-2)

SOWK3250. Substance Abuse, Prevention, and Intervention (3); **or**,

SOWK3350. Child Welfare Services (3); **or**,

SOWK3450. Gerontology and Geriatric Social Work (3)

SOWK3550. Social Work Methods I (2)

SOWK3551. Social Work Methods II (2)

SOWK3560. Social Work Methods III (2)

SOWK3561. Social Work Methods IV (2)

SOWK3750. Social Welfare Policy (3)

SOWK3960. Field Experience III (1)

SOWK3961. Field Experience IV (1)

SOWK3962. Field Experience V (1)

SOWK3970. Social Work Research and Statistics (3)

SOWK4094. Topics in Social Work (1)

SOWK4960. Social Work Practicum I (3)

SOWK4961. Social Work Practicum II (3)

SOWK4962. Social Work Practicum III (3)

SOWK4980. Seminar in Social Work I (1)

SOWK4981. Seminar in Social Work II/Capstone (1)

SOWK4982. Seminar in Social Work III (1)

Foundation Courses:

PSYC1550. Introduction to Psychology (3)

PSYC3450. Abnormal Psychology (3)

BIOL1060. Human Biology (3)

POLS1030. The Foundations of Politics: The Quest for Peace and Justice (3); **or**,

ECON1050. Analysis of Economic Issues (3)

SOGY1550. Introduction to Sociology (3); **or**,

SOGY2030. Cultural Anthropology I (2)

SOGY3180. Race, Class and Ethnicity (3); **or**,

ENGL4270. Minority Voices in American Literature (3); **or**

A second year foreign language course (4)

Minor, Social Welfare

Requirements: 20-21 credits in social work of which 9 must be upper division

SOWK1720. Social Welfare in Contemporary Society (3)

SOWK2110. Introduction to Social Work (3)

SOWK2850. Human Behavior and the Social Environment I (2)

SOWK2851. Human Behavior and the Social Environment II (2)

SOWK2960. Field Experience in Social Work (1-4); **or**,

SOWK2970. Urban Field Experience (1)

Select three of the following courses:

SOWK3250. Substance Abuse, Prevention, and Intervention (3)

SOWK3350. Child Welfare Services (3)

SOWK3450. Gerontology and Geriatric Social Work (3)

SOWK3750. Social Welfare Policy (3)

SOWK3970. Social Work Research and Statistics I (2); **and**;

SOWK3971. Social Work Research and Statistics II (2)

Course Descriptions

ACCT- Accounting

ACCT2060. Financial Accounting (3)

An introduction to financial accounting in business. Topics include basic terminology, mechanics, theoretical framework of double-entry bookkeeping and preparing financial statements for external reporting. Emphasis is placed on creating the financial statements and includes topics related to inventory, receivables, long term assets, stocks and bonds.

ACCT2070. Managerial Accounting (3)

An introduction to managerial accounting in the business world. Course will explore decision-making models in factory and service organization settings. Topics include cost flows in a factory environment, cost-behavior patterns, break-even analysis, lease or buy, make or buy, and business contraction and expansion of product lines. Considers the time value of money and covers financial statements for internal use and the statement of cash flows. Computer applications will be used throughout the course. **Prerequisites:** ACCT2060

ACCT3010. Income Taxation (3)

Course will include study of the theory and application of the Federal Internal Revenue Code, regulations, revenue rulings, revenue procedures and cases to individuals and sole proprietorships. Property transactions are covered together with the topics of gross income, deductions from gross income and losses, itemized deductions, losses and bad debts, employee expenses and deferred compensation, depreciation, cost recovery (ACRS and MACRS), depletion, amortization and inventory costs, non-taxable exchanges, section 1231 gains and losses, tax credits, and special tax computation methods. **Prerequisites:** ACCT2070 or instructor's permission. **Offered:** Alternate years

ACCT3040. Cost Accounting (3)

Course includes an in-depth study of cost accounting with a managerial emphasis. Topics include a review of ACCT2070 (Managerial Accounting) and job-order costing systems, process costing systems, standard costs, cost behavior, direct (variable) costing, joint-product costing systems, cost of by-products, cost allocation methods, and accounting for waste and spoilage. **Prerequisites:** ACCT2070 or instructor's permission. **Offered:** Alternate years

ACCT3094. Special Topics in Accounting (1-3)

This course is designed to address specific accounting topics as designated by the Instructor of Record and approved by the Department Chair and/or Dean.

ACCT3510. Intermediate Accounting I (3)

Course includes a detailed study of the conceptual (theoretical) framework of external financial reporting and the financial statements utilized in external reporting (except the statement of cash flows) and an in-depth study of certain current and non-current assets and liabilities. Topics include: basic theory, the income statement and statement of changes in retained earnings, the balance sheet, time value of money, cash and accounts receivable, inventories, fixed assets and depreciation, intangible assets, and current liabilities. **Prerequisites:** ACCT2070 or instructor's permission.

ACCT3520. Intermediate Accounting II (3)

A continuation of the study of certain current and long-term assets and liabilities begun in ACCT3510. Topics include long-term liabilities, stockholders' equity, dilutive securities and earnings per share calculations, temporary and long-term investments, and computer spreadsheet applications. Accounting for pensions and post-retirement benefits, leases, statement of cash flows, and full disclosure will also be covered. **Prerequisites:** ACCT3510 or instructor's permission.

ACCT3960. Internship in Accounting (2-3)

On-the-job accounting experience involving decision-making and problem-solving techniques, skills, and knowledge acquired in the classroom. This experience is under the supervision of both an accountant and professor. Internship in Accounting will be a pass/fail grade and will be determined by the instructor.

ACCT4020. Auditing (3)

A study of professional ethics, accountants' legal liability, internal control, evidence, reporting, and an introduction to statistical sampling and EDP auditing. Topics include general, field work and reporting standards, as well as selected statements on auditing standards. An audit case is required. **Prerequisites:** ACCT3520 or instructor's permission. **Offered:** Alternate years

ACCT4510. Advanced Financial Accounting (3)

An in-depth study of business combinations and consolidated financial statements from a financial reporting perspective. Topics include theory of business combinations (APBs 16, 17 and 18) and accounting for business combinations under the pooling or purchase method. Course will explore statutory mergers, statutory consolidation, acquisition of assets, acquisition of stock, consolidated financial statements at date of acquisition or subsequent to date of acquisition, and special inter-company transaction eliminations in consolidations. **Prerequisites:** ACCT3520 or instructor's permission. **Offered:** Alternate years

ARDE-Art and Design**ARDE1010. A Survey of Art and Music (3)**

An introduction to the stylistic characteristics and cultural climate of the important artistic epochs in art history. Course is designed specifically for the non-art major (See MUSC1010).

ARDE1020. 2D Design (3)

A foundations course designed to promote an understanding of and appreciation for the various technical and aesthetic qualities fundamental to the visual arts. **Fees:** Materials fee required.

ARDE1040. Drawing 1 (3)

An introduction to drawing with a foundation in observational studies. Throughout the course a broad range of drawing materials and applications will be introduced. Includes lecture and discussion on the history of drawing and the nature of drawing in contemporary art. **Prerequisites:** ARDE1020 or instructor's permission. **Fees:** Materials fee required.

ARDE2010. 3D Design (3)

Course is an introductory studio experience which examines both technical and aesthetic relationships specific to three-dimensional forms. Includes creative problem-solving through manipulation of various media and techniques. Emphasis is placed on tool usage and studio safety. **Fees:** Materials fee required.

ARDE2050. Ceramics 1 (3)

A studio-based course designed to introduce students to the various basic forming, decorating, glazing, and firing techniques used in the medium of clay. **Fees:** Materials fee required.

ARDE2070. Figure Studies (3)

Coursework will be based on observation of the live model and will be carried out as an exploration in various traditional and non-traditional 2D media and methods for representing the figure. **Prerequisites:** ARDE1040 or instructor's permission. **Fees:** Materials fee required. **Offered:** Alternate years.

ARDE2094. Special Topics (1-3)

A concentrated study of one topic in art. May be repeated for credit. **Prerequisites:** Instructor's permission.

ARDE2280. Illustration 1: Visual Voice (3)

An introductory course in illustration with an emphasis on developing conceptual skills, individual expression, and technical expertise in a variety of media. Students will focus on the process of taking a project from thumbnails and roughs to finished art. **Prerequisites:** ARDE1040. **Fees:** Materials fee required.

ARDE2350. Graphic Design 1: Introduction To Visual Communication (3)

An introduction to graphic design with emphasis on exploring the roles and responsibilities of design in contemporary culture. Studio projects will focus on graphic problem solving through the use of symbols, type, and imagery, with additional emphasis on the exploration of design applications, techniques, issues, and media fundamental to the graphic design profession. **Prerequisites:** ARDE1020 or instructor's permission. **Corequisites:** ARDE2430.

ARDE2360. Graphic Design 2: Typography (3)

An exploration of typography as a vehicle for expressive communication. Visual hierarchy, principles of contrast, verbal messages, and the consideration of communicative models will all be emphasized. **Prerequisites:** ARDE2350, ARDE2430.

ARDE2410. Painting 1 (3)

An introduction to the fundamentals of painting. This course is designed to develop the student's ability to accurately translate color and effectively organize pictorial space and compositional ideas. **Prerequisites:** ARDE1020 or instructor's permission. **Fees:** Materials fee required.

ARDE2420. Opera/Musical Theater Production (1)

Hands-on involvement in the performing of a Broadway musical. Includes acting, singing, choreography, stage lighting and set construction. May be repeated for credit. **Prerequisites:** Audition or instructor's permission. (See MUSC2420).

ARDE2430. Introduction to Computer Graphics (3)

An introductory digital design course emphasizing industry standard drawing, photo editing and layout computer applications, especially the Adobe Creative Suite. Students will gain foundational technical skills that are applied through relevant projects. **Corequisites:** ARDE2350.

ARDE2760. Photography 1 (3)

An introductory course in the fundamentals of black and white photography and the medium as a means of visual expression. Students will learn 35mm camera operation, film developing and darkroom printing. Basic design principles are reinforced through assignments and study of historical photographers and their work. Students should have a 35mm SLR camera. **Prerequisites:** ARDE1020 or instructor's permission. **Fees:** Materials fee required.

ARDE3010. Sculpture 1 (3)

Intermediate studio experience with emphasis upon development and refinement of practical and theoretical concerns relating to three-dimensional artwork. Projects in this course will include various additive, reductive, and constructive procedures, as well as historical and contemporary sculptural issues. **Prerequisites:** ARDE1020, ARDE2010. **Fees:** Materials fee required.

ARDE3050. Ceramics 2 (3)

Further exploration, development, and refinement of individual projects in the medium of clay. This course is designed to explore both traditional vessel and sculptural ceramic forms. Contemporary issues and the use of other media along with clay are explored. **Prerequisites:** ARDE2050 or instructor's permission. **Fees:** Materials fee required.

ARDE3060. Printmaking (3)

An introduction to the processes and history of printmaking with an emphasis on screen-printing for artistic and commercial purposes. Processes may include screenprinting, letterpress and bookbinding techniques. **Prerequisites:** ARDE2430 or instructor's permission. **Fees:** Materials fee required.

ARDE3070. Drawing 2 (3)

A continued exploration of drawing processes, materials and methods of representation. Expanding upon the foundation established in Drawing 1, less conventional materials and processes will be introduced. Emphasis will be placed on the development of the student's individual visual vocabulary. **Prerequisites:** ARDE1040. **Fees:** Materials fee required. **Offered:** Alternate years.

ARDE3080. Introduction to Bookmaking and Letterpress (3)

Students will explore a variety of book structures and receive an introduction to letterpress printing. Book forms may include: folded-books, pop-ups, zines and hard-cover. A variety of sewing techniques will be included. **Fees:** Materials fee required.

ARDE3250. Art History 1 (3)

Survey of visual art and architecture from its pre-historic origins through the Gothic period. **Offered:** Alternate years.

ARDE3280. Illustration 2: Visual Story Book (3)

A continuation of illustrative approaches and techniques with emphasis in visual journalism, visual narrative, and portfolio development. Students will create a series of images with a unifying theme or narrative for exhibition and portfolio use. Additional instruction will be given on the business of illustration and potential career paths. **Prerequisites:** ARDE1040, ARDE2280, or instructor's permission.

ARDE3330. Teaching Art in the K-8 School (2)

Introduces elementary education majors to theoretical and practical experiences necessary for incorporating a discipline-based art education program into the elementary and middle school curriculum. This course may include actual practicum teaching experiences. (See EDUC3330) **Prerequisites:** Admission to Teacher Education Program or instructor's permission.

ARDE3340. Design History: Industrial Revolution to Contemporary Design (3)

An examination of the history, process and practice of design from the middle of the 18th century to the new millennium. Objects, designers, history and culture which led to the birth and development of the design profession will be addressed, along with its influences in art, architecture, science and industry. **Fees:** Additional fee required. **Offered:** Alternate years.

ARDE3360. Graphic Design 3: Advanced Practice (3)

Advanced applications of graphic design including multifaceted communication problems, professional-level assignments and critical analysis of various historic and contemporary graphic forms. Emphasis will also be placed on the development of professional production techniques. **Prerequisites:** ARDE2350, ARDE2360, ARDE2430. **Fees:** Materials fee required.

ARDE3410. Painting 2 (3)

A continuing exploration of painting that includes contemporary materials and processes. Historical and contemporary approaches will be analyzed, and emphasis will be placed on the individualization of each student's visual vocabulary and their understanding of contemporary issues in painting. **Prerequisites:** ARDE2410. **Fees:** Materials fee required. **Offered:** Alternate years.

ARDE3430. Digital Photography (3)

A continuation of ARDE2430. Students will explore digital imaging techniques and applications of acquiring, manipulating and outputting digitized photographic images using Adobe Photoshop. Emphasis will be placed on image making and will explore camera, digital and mixed media techniques for making photo art. **Prerequisites:** ARDE2430, ARDE2760, or instructor's permission. **Fees:** Materials fee required.

ARDE3440. Introduction to Web Design (3)

Introductory experiences in the creation and production of web-based graphic forms through the use of HTML and industry-standard software applications including Adobe Dreamweaver. **Prerequisites:** ARDE2350, 2360, or instructor's permission. **Fees:** Materials fee required.

ARDE3500. Studio Practice and Critique (3)

Cross-emphasis studio course structured to develop professional studio practice through rigorous critique, individuated expression, and criticality regarding relevant issues in contemporary art production. Course normally taken in the junior year.

ARDE3530. Teaching Art in Secondary Schools (2)

This course examines pragmatic techniques and philosophical approaches necessary to design, implement, and evaluate a comprehensive discipline-based art education program at the secondary school levels. Additionally, both historical and contemporary art education issues are examined, discussed, and evaluated. Includes opportunities for students to observe and/or teach a minimum of 20 hours in secondary classrooms. **Corequisites:** EDUC3510, EDUC3750 (See EDUC3530). **Prerequisites:** Admission to the Teacher Education Program, Junior classification, or instructor's permission.

ARDE3730. Advanced Typography (3)

An advanced exploration of typography as a vehicle for expressive communication, especially as it relates to the online and digital environment. Students will explore advanced typographic concepts such as learning to design custom typefaces using font generation software, developing type in motion (eg. film and digital application title sequences), and developing typography for user-centered interactive experiences (eg. websites, kiosks, digital apps). **Prerequisites:** ARDE2360.

ARDE3750. Art History 2 (3)

Survey of visual art and architecture from the Renaissance through the 20th century. **Offered:** Alternate years.

ARDE3760. Photography 2 (3)

Introduction to alternative photographic processes and medium format cameras. Basic design principles are applied from Photography 1 with more advanced opportunities for self expression and conceptualization. Students will gain a working knowledge of the history of photography. Topics may include: toning, Cyanotype, VanDyke brown, Polaroid, solarization, liquid emulsion and bookbinding. **Prerequisites:** ARDE2760. **Fees:** Materials fee required.

ARDE3950. Modern and Contemporary Art History (3)

The history of visual art from the 20th century to contemporary art, including a survey of Art Criticism and Theory. Focused on the development of modern and contemporary art and its relationship to experience as a defining factor, this course is an exploration of the impact and implications for current art production and reception. Exposure to contemporary art through field trips to galleries and museums. **Fees:** Materials fee required. **Offered:** Alternate years.

ARDE4030. Sculptural Installation (3)

This course is designed for all junior and senior art majors. The purpose of this course is to explore both traditional and non-traditional art media in site-specific and/or installation formats. **Prerequisites:** ARDE1020, ARDE2010. **Fees:** Materials fee required. **Offered:** Alternate years.

ARDE4094. Special Topics (1-3)

A concentrated study of one topic in art. May be repeated for credit. **Prerequisites:** Instructor's permission.

ARDE4360. Graphic Design 4: Portfolio Preparation (3)

Advanced design course emphasizing the development of a working portfolio and other self-promotional materials. Additional projects may include books, CD jackets, packaging, logotypes, and corporate identity campaigns. **Prerequisites:** ARDE2350, ARDE2360, ARDE2430, ARDE3360. **Fees:** Materials fee required.

ARDE4440. Advanced Web Design (3)

Advanced web design course with emphasis on the construction of dynamic commercial websites. Additional consideration of theories of interactivity, animation, and usability on the web will also be explored. Course will focus on the development of technical skills using industry-standard applications such as Adobe Flash. **Prerequisites:** ARDE2350, ARDE2360, ARDE2430. **Fees:** Materials fee required.

ARDE4500. Studio Practice and Critique (3)

Cross-emphasis studio course structured to develop professional studio practice through rigorous critique, individuated expression, and criticality regarding relevant issues in contemporary art production. Course normally taken in the senior year. **Prerequisites:** ARDE3500.

ARDE4540. Integrated Media Campaigns (3)

This course will require the development of broad-based media campaigns utilizing a variety of print, digital, and social media. The development of dynamic and appropriate visual systems and implementation of those systems toward a specific market audience will be emphasized. Projects may include real-world campaigns for local and regional institutions. **Prerequisites:** ARDE3360, ARDE3440, BSNS3530, or instructor's permission. **Fees:** Materials fee required.

ARDE4870. Senior Exhibition (3)

A course in professional practices for the studio artist and designer. Students will learn the practical skills necessary to promote, design and carry out an exhibition or portfolio presentation of their work culminating in a solo or group exhibition in the Friesen Galleries. Studio majors, or design majors planning on having a solo exhibition, must register for 3 credits their senior year. **Requirements:** Declared art majors with senior classification or with instructor's permission. **Prerequisites:** ARDE4360 or ARDE4500, and instructor's signature.

ARDE4950. Engaging Art & Faith (3)

A senior-level capstone experience in which students concentrate on class readings that engage their faith perspective with their art and design practice. The nature of the fine arts disciplines lends itself to servant leadership, therefore servanthood through the visual arts will be a component in this course. Course will include discussions, writings and applications. An optional service-oriented mission trip will take place during spring break or immediately following the spring semester for students who need to fulfill NNU's Cross-Cultural requirement. Possible locations include: Costa Rica, Mission Possible: Vancouver BC, Ireland. Fulfills Capstone requirement. **Prerequisites:** Senior classification. **Fees:** Additional fee required for optional Cross-Cultural credit.

ARDE4960. Internship (3)

Course designed to give students hands-on working experience in the professional art and design world. A minimum of 135 hours required. This is a Pass/Fail course. **Prerequisites:** Junior or Senior classification.

ARDE4990. Aesthetics and Faith (3)

A senior level capstone course integrating philosophy and the visual arts. Students will have a working knowledge of basic theories in aesthetics with an aim toward an informed assessment of the visual arts. The culminating project will consist of a group-produced artwork displaying a robust synthesis of aesthetic theory, basic art practice, and the university outcomes. The project will include a ten page paper articulating the group's process. **Prerequisites:** Senior classification. **Fees:** Materials fee required.

BIBL-Biblical Studies

BIBL1100. Introduction to Biblical Studies (3)

An introduction to the serious study of the Bible in its historical, cultural, and literary context. The course emphasizes the essential content, structure, and theological message of the books of the Bible. Students are introduced to the practice of biblical exegesis and to the geography and archaeology of the lands of the Bible. This course is designed for general students. **Prerequisites or Corequisites:** HUMN1010, ENGL1030.

BIBL3094. Topics in Biblical Literature (1-3)

An examination of some phase of Old or New Testament studies not covered in other courses. May be repeated for credit. **Prerequisites:** BIBL1100, THEO2100.

BIBL3110. Old Testament Interpretation (3)

A study of the history, methods, and principles of Old Testament interpretation designed for majors in the Departments of Philosophy and Religion and other interested students. Students will learn how to interpret different genre within the Old Testament and how to create sermon/devotional ideas from each. Other topics include the authority of the Old Testament and the relationship between the Testaments. **Prerequisites:** BIBL1100.

BIBL3120. New Testament Interpretation (2)

A study of the methods and principles of New Testament interpretation designed for majors in the Departments of Philosophy and Religion and other interested students. Part of the course will focus on practical application to selected New Testament passages. **Prerequisites:** BIBL1100, BIBL3110, or instructor's approval.

BIBL3220. Psalms (3)

An exegetical and practical study of the book of Psalms. The course will include a discussion of the structure, formation and theology of the Psalms. Representative samples of each major type of Psalm will be studied. Part of the course will develop practical ways of using Psalms for personal spiritual formation. This course is designed for general students. **Prerequisites:** BIBL1100, THEO2100.

BIBL3230. Wisdom Literature (3)

An exegetical and practical study of the books of Job, Proverbs, Ecclesiastes, and the Song of Songs. The course will include a discussion of the structure, formation and theology of the wisdom literature. Students will also be introduced to ancient wisdom literature from other cultures. Part of the course will develop practical ways of using the wisdom literature for personal spiritual formation. This course is designed for general students. **Prerequisites:** BIBL1100, THEO2100.

BIBL3260. Life and Teachings of Jesus (3)

A study of the life and ministry of Jesus in the Synoptic Gospels with special attention to background, exegesis and theological interpretation. Personal and social implications leading to spiritual formation and social responsiveness will be emphasized. This course is designed for general students. **Prerequisites:** BIBL1100, THEO2100.

BIBL3270. Johannine Writings (3)

An inductive study of selected books traditionally included within the Johannine collection: the Gospel of John, the Johannine Letters, and the Book of Revelation. The course will focus on the development of exegetical skills and on the theology of these texts, with particular attention to the role of these texts in spiritual formation. This course is designed for general students. **Prerequisites:** BIBL1100, THEO2100.

BIBL4250. Parables of Jesus (2)

An exegetical study of the parables of Jesus in the Synoptic Gospels, with some attention to their interpretation in the past and present. The course considers the meaning and significance of the parables in the contexts of the life and ministry of Jesus, the Gospels, and of contemporary Christians. **Prerequisites:** BIBL1100, BIBL3120, THEO2100. **Offered:** Every third year.

BIBL4310. Luke and Acts (2)

An in-depth study of the Gospel of Luke and the book of Acts. The course will give specific attention to Luke's Gospel within the canonical context of the Synoptic Gospels, to Acts as it relates to the letters of the New Testament, to issues of continuity between Luke and Acts, and to the development of literary/narrative exegetical methods. **Prerequisites:** BIBL1100, BIBL3120, THEO2100. **Offered:** Alternate years.

BIBL4330. Pauline Epistles (2)

An in-depth study of selected letters of Paul with the historical background provided by Acts. The course will emphasize the occasion, purpose and theological message of one or two different letters on a rotating basis. May be repeated for credit. **Prerequisites:** BIBL1100, BIBL3120, THEO2100. **Offered:** Alternate years.

BIBL4410. History of Ancient Israel (2)

An in-depth study of the history and archaeology of the Hebrew people beginning with formative principles in the Patriarchal period and ending with the Reconstruction period of Ezra. Israel's interrelations with other ancient Near Eastern nations will also be discussed. **Prerequisites:** BIBL1100, BIBL3110, THEO2100. **Offered:** Alternate years.

BIBL4420. Hebrew Prophets (2)

An exegetical study of the prophets of the Old Testament. The course will include an overview of the history of the prophetic movement and the primary message of each writing prophet. One or two books will be studied in-depth as a foundation for sermon building. **Prerequisites:** BIBL1100, BIBL3110, THEO2100. **Offered:** Alternate years.

BIOL-Biology**BIOL1010. Introduction to Biology (3)**

A survey of key biological principles including subject areas of cell structure, physiology, zoology, botany, ecology, genetics and evolution. Course goals include helping students develop an understanding of the nature and processes of science, and exploring how key biological concepts apply to citizens. It is designed for the general student and will not meet major requirements for degrees in Biology.

BIOL1010L. Introduction to Biology Laboratory (1)

A study of selected topics in a laboratory setting intended to reinforce concepts taught in BIOL1010, and to facilitate learning the processes of science. **Pre/Corequisite:** BIOL1010 **Fees:** Additional fee required

BIOL1030. Earth Science (3)

Study of the earth's crust and mantle with emphasis on the physical and chemical processes at work in the earth. The principle of uniformity and the rock cycle are used to study formation and transformation of rocks and minerals. Topics on erosion, volcanism, earthquakes, and mountain building are included; weather and climate are included whenever pertinent. Although designed primarily for non-science majors, all students may take this course. **Corequisites:** BIOL1030L. **Offered:** Alternate years.

BIOL1030L. Earth Science Laboratory (1)

A laboratory course taught in connection with BIOL1030. Field and laboratory activities are included. **Corequisites:** BIOL1030 **Fees:** Additional fee required. **Offered:** Alternate years.

BIOL1040. Environmental Science (3)

A study of the issues pertaining to environmental sustainability including topics such as population growth, energy, pollution, and conserving biodiversity. A central theme is Christian Stewardship. **Offered:** Alternate years.

BIOL1040L. Environmental Science Laboratory (1)

A laboratory study of the basic concepts of environmental science with an emphasis on the study of the issues pertaining to environmental sustainability including topics such as population growth, energy, pollution, and conserving biodiversity. A central theme is Christian Stewardship. **Corequisite:** BIOL1040 or Instructor's permission.

BIOL1060. Human Biology (3)

Selected topics related to the human body with particular emphasis on the integration of form and function as well as genetics and ethics. This course does not apply toward major requirements in biology.

BIOL1060L. Human Biology Laboratory (1)

A laboratory study using selected topics relating to the human body, which is intended to be taught in connection with BIOL1060. This course does not apply toward major requirements in biology. **Corequisites:** BIOL1060 **Fees:** Additional fee required

BIOL1960. Clinical Observation (1)

Designed to provide an observation experience in physical therapy or athletic training settings. **Prerequisites:** Instructor's permission. (See KINE1960). May be repeated for credit.

BIOL2010. Human Anatomy and Physiology I (3)

A study of the structure and function of the human body using a systems approach. The following topics will be covered: cell biology, histology, integumentary system, skeletal system, muscular system, nervous system, and sensory organs. **Corequisites:** BIOL2010L

BIOL2010L. Human Anatomy and Physiology I Laboratory (1)

A laboratory study of select organ systems that will be explored using prosected human cadavers, anatomical models, and computerized data acquisition and analysis. **Corequisites:** BIOL2010 **Fees:** Additional fee required

BIOL2030. Human Anatomy and Physiology II (3)

A study of the structure and function of the human body using a systems approach. The following systems will be covered: endocrine, circulatory, lymphatic, respiratory, digestive, urinary, and reproductive systems. **Corequisites:** BIOL2030L

BIOL2030L. Human Anatomy and Physiology II Laboratory (1)

A laboratory study of select organ systems that will be explored using prosected human cadavers, anatomical models and computerized data acquisition and analysis. **Corequisites:** BIOL2030 **Fees:** Additional fee required

BIOL2094. Special Topics in Biology (1-3)

A variety of timely topics may be explored as the demand of students or the interest of the faculty involved dictates. **Prerequisites:** Instructor's permission.

BIOL2220. General Biology I (3)

A survey of the basic concepts of biology with emphasis on cellular processes, genetic principles, and man's place in nature. This course is designed for students who intend to major in the sciences, pre-medicine or related fields. **Corequisites:** BIOL2220L

BIOL2220L. General Biology I Laboratory (1)

A laboratory study of the basic concepts of biology with emphasis on cellular processes, genetic principles, and man's place in nature. **Corequisites:** BIOL2220 **Fees:** Additional fee required

BIOL2230. General Biology II (3)

A survey of the basic concepts of biology with emphasis on life's diversity. This course introduces students to systematics, taxonomy, and the biology of representatives from the domains of Eubacteria (true bacteria), Archaea (methanogenic bacteria, etc), and Eukarya (protists, fungi, plants, and animals). This course is designed for students who intend to major in the sciences, pre-medicine or related fields. **Corequisites:** BIOL2230L

BIOL2230L. General Biology II Laboratory (1)

A laboratory study of the basic concepts of biology, using selected topics relating to the biodiversity of life. **Corequisites:** BIOL2230 **Fees:** Additional fee required

BIOL2300. Idaho Amphibians (4)

This field-intensive course acquaints the student with the uniqueness and diversity of Idaho's amphibians. Through lecture, laboratory sessions and field trips, the course explores the distinguishing features for identification, distribution, natural history, and habitat requirements of Idaho's amphibian species. Amphibian declines and the conservation issues of each species are discussed. This course can be used as general education laboratory credit.

Fees: Additional Fee Required.

BIOL2320. Idaho Birds of Prey (4)

This course acquaints the student with the uniqueness and diversity of Idaho's birds of prey. Through lecture, laboratory sessions and field trips, the course explores the distinguishing features for identification, distribution, natural history, and habitat requirements of most North American birds of prey. Threats to raptor populations and the conservation issues of each species are discussed. This course can be used as general education laboratory credit.

Fees: Additional Fee Required.

BIOL2420. Microbiology (3)

A survey of the structure, metabolism, and control of various bacteria, viruses, parasites and fungi with special emphasis on disease causing microorganisms. **Prerequisites:** CHEM1210 **Corequisites:** BIOL2420L

BIOL2420L. Microbiology Laboratory (1)

A study of selected topics in a laboratory setting, which is intended to be taught in connection with BIOL2420. **Corequisites:** BIOL2420 **Fees:** Additional fee required

BIOL2970. Introduction to Research (1)

Students will develop an understanding of the nature of science and how to conduct scientific inquiry. Course content will include literature search, experimental design, and basic analysis.

BIOL3094. Special Topics in Biology (1-3)

A variety of timely topics may be explored as the demand of students or the interest of the faculty involved dictates. **Prerequisites:** Instructor's permission

BIOL3160. Plant Taxonomy (3)

A study of the principles of plant classification with emphasis on collection and identification of native and introduced vascular plants. **Prerequisites:** BIOL2230 **Corequisites:** BIOL3160L **Offered:** Alternate years

BIOL3160L. Plant Taxonomy Laboratory (1)

A laboratory oriented to the identification and field study of native and introduced plants, which is intended to support BIOL3160. **Corequisites:** BIOL3160 **Fees:** Additional fee required **Offered:** Alternate years

BIOL3240. Plant and Animal Ecology (3)

A study of the interactions between environment, flora and fauna at the population, community and ecosystem levels, including current theory and application. **Prerequisites:** BIOL2220, 2230 or Instructor's permission

BIOL3250 Tropical Ecology (3)

A study of the major themes and principles of ecology applied within the framework of the Neotropics. Emphasis will be placed on the autecology and natural history of select species (both vertebrate and invertebrate species), and the ecological interactions at the population, community and ecosystem levels. Students will gain an understanding of select tropical biomes and representative ecological interactions from each biome. A Christian perspective will be used to explore the human dimensions of tropical ecology and the appropriate ethic for conservation, such as the ethical and cultural dilemmas of life in a tropical country. **Prerequisites:** BIOL3240 or Instructor's permission.

BIOL3250L Tropical Ecology Laboratory (1)

A study of selected topics of Neotropical ecology conducted in a field setting while visiting various tropical biomes of Costa Rica. This laboratory course requires international travel and consequently a current passport. The course fee will cover travel costs including airfare, in-country transport, food, lodging and necessary field supplies. This laboratory is intended to be taught in connection with BIOL3250. **Prerequisites:** BIOL3240 or Instructor's permission. **Fee:** Additional fee required (amount TBD).

BIOL3300 Vertebrate Zoology: Ectotherms (3)

A survey of the structure, function, ecology and systematics of ectothermic vertebrates (alternately ichthyology and herpetology). Representative taxa from the Pacific Northwest will provide field context for these explorations. Course will include identification of Idaho fish, amphibian, and reptile species. **Prerequisites:** BIOL2220, 2230 or Instructor's permission **Corequisites:** BIOL3300L **Offered:** Alternate years

BIOL3300L. Vertebrate Zoology: Ectotherms Laboratory (1)

A study of selected topics in laboratory and field settings, which is intended to be taught in connection with BIOL3300. **Corequisites:** BIOL3300 **Fees:** Additional fee required **Offered:** Alternate years

BIOL3320. Vertebrate Zoology: Endotherms (3)

A survey of the structure, function, ecology and systematics of endothermic vertebrates (alternately ornithology and mammalogy). Representative taxa from the Pacific Northwest will provide context for these explorations. Course will include identification of Idaho bird and mammal species. **Prerequisites:** BIOL2220, 2230 or Instructor's Permission **Corequisites:** BIOL3320L **Offered:** Alternate years

BIOL3320L. Vertebrate Zoology: Endotherms Laboratory (1)

A study of selected topics in laboratory and field settings, which is intended to be taught in connection with BIOL3320. **Corequisites:** BIOL3320 **Fees:** Additional fee required **Offered:** Alternate years

BIOL3360. Vertebrate Comparative Anatomy (3)

A comparative study of all classes of vertebrates, including organ and organ systems levels of comparison. **Prerequisites:** Recommended background:

BIOL2230 **Corequisites:** BIOL3360L **Offered:** Alternate years

BIOL3360L. Vertebrate Comparative Anatomy Laboratory (1)

A study of selected topics in a laboratory setting, which is intended to be taught in connection with BIOL3360. **Corequisites:** BIOL3360 **Fees:** Additional fee required. **Offered:** Alternate years

BIOL3420. General Microbiology (3)

A survey of the structure, metabolism, and control of various bacteria, viruses, parasites, and fungi. This course is intended for science majors with a strong molecular background. **Prerequisites:** BIOL2220, 2230 **Corequisites:** BIOL3420L **Offered:** Alternate years

BIOL3420L. General Microbiology Laboratory (1)

A study of selected topics in a laboratory setting, which is intended to be taught in connection with BIOL3420. **Corequisites:** BIOL3420 **Fees:** Additional fee required **Offered:** Alternate years

BIOL3460. Cell Biology (3)

A study of the processes common to life at the molecular and cellular level. This course deals primarily with the structure and function of eukaryotic cells with focus on cell composition, organelles, cytoskeleton, bioenergetics, metabolic processes, cell signaling, the cell cycle, apoptosis, and cancer. It is strongly recommended that Genetics (BIOL3720) be taken prior to this course. **Prerequisites:** BIOL2220, 2230, 3720, or Instructor's Permission. **Corequisites:** BIOL3460L **Offered:** Alternate years

BIOL3460L. Cell Biology Laboratory (1)

A study of selected topics in a laboratory setting, which is intended to be taught in connection with BIOL3460. **Corequisites:** BIOL3460 **Fees:** Additional fee required. **Offered:** Alternate years

BIOL3500. Bioethics (2)

A survey of biotechnological advances and a review of ethical theories. A series of guest lecturers explore various facets of biotechnology and ecology as viewed from each particular discipline. These include issues viewed from research science, ecology, genetics, reproduction technologies, ethics, sociology, and politics. **Prerequisites:** BIOL1060 or equivalent

BIOL3510. Studies in Histology (1)

A supervised practical survey of normal human cells and tissues. This is a microscopic laboratory study of all the organ systems. **Prerequisites:** BIOL2220, 2230. **Offered:** Alternate years

BIOL3520. Developmental Biology (3)

An in-depth study of the processes of vertebrate development and reproduction with emphasis on the underlying molecular and cellular mechanisms. Topics include Gametogenesis, fertilization, cleavage, gastrulation, organogenesis, histological differentiation, early events in embryological development, and late events in embryological development. **Prerequisites:** BIOL2220, 2230, 3720, or Instructor's permission. **Corequisites:** BIOL3520L **Offered:** Alternate years

BIOL3520L. Developmental Biology Laboratory (1)

A study of selected topics in a laboratory setting, which is intended to be taught in connection with BIOL3520. **Corequisites:** BIOL3520 **Fees:** Additional fee required **Offered:** Alternate years

BIOL3540. Immunology (3)

An introductory course to the immune system and the basics of immunology. Topics will begin with a survey of the cells and organs of the immune system, innate and adaptive immunity, lymphocyte development, and effector mechanisms of both cell-mediated and humoral immunity. Concluding topics will integrate basic immunological concepts with regulatory interactions between different components of the immune system, deleterious effects of aberrant immune processes, and the immunopathology of various disease states. **Prerequisites:** BIOL2220, 2230 **Pre/Corequisites:** BIOL3720 **Offered:** Alternate years

BIOL3620. Vertebrate Physiology (3)

An in-depth survey of the basic functional principles of vertebrate organs and systems, with emphasis placed on humans. **Prerequisites:** BIOL2220, 2230 **Corequisites:** BIOL3620L **Offered:** Alternate years

BIOL3620L. Vertebrate Physiology Laboratory (1)

A study of selected topics in a laboratory setting, which is intended to be taught in connection with BIOL3620. **Corequisites:** BIOL3620 **Fees:** Additional fee required **Offered:** Alternate years

BIOL3640. Teaching Science in the Secondary School (2)

Strategies appropriate to this subject field, instructional materials and tools, curricular structure common to this subject in the secondary school. Includes opportunities for students to assist and teach a minimum of 20 hours. (See EDUC3640). **Prerequisites:** Admission to Teacher Education Program; junior classification. **Corequisites:** EDUC3510, EDUC3750.

BIOL3720. Genetics (3)

This course introduces students to classical Mendelian and contemporary molecular genetics. Topics will include Mendelian patterns of inheritance, transmission genetics, chromosome structure and function, genetic mutation, chromosomal aberrations, the structure, function and control of genes, techniques in genetics and model organisms, cell-cycle dynamics, recombinant DNA mechanisms, population genetics, etc. **Prerequisites:** BIOL2220, 2230 **Corequisites:** BIOL3720L

BIOL3720L. Genetics Laboratory (1)

A study of selected topics in a laboratory setting, which is intended to be taught in connection with BIOL3720. **Corequisites:** BIOL3720 **Fees:** Additional fee required

BIOL3740. Origins (3)

This course is designed to inform students of the competing views of origins from a Christian perspective and to prepare students for graduate school. Biblical, classical and current theories of origins will be surveyed, with an emphasis on modern synthetic theory of organic evolution, including mechanisms, adaptations, and phylogeny. **Prerequisites:** BIOL2220, 2230, BIOL3720.

BIOL3820. Pathophysiology (3)

An in-depth exploration of the mechanisms and manifestations of selected human disease states resulting in alterations of the body's dynamic equilibrium. **Prerequisites:** BIOL2010, 2030; or, BIOL2220, 2230.

BIOL3850. Biological Foundations of Behavior (3)

A comprehensive study of basic brain organization and function. Topics include the neural substrates of emotion, motivation, learning, and memory. Recommended background: BIOL2010, 2030; or, 2230 (See PSYC3850) **Corequisites:** BIOL3850L **Offered:** Alternate years

BIOL3850L. Biological Foundations of Behavior Laboratory (1)

Students will complete lab tasks involving exploration of biopsychological concepts. Students will also complete dissection of a sheep brain and a cow eye. **Corequisites:** BIOL3850 **Fees:** Additional fee required **Offered:** Alternate years

BIOL3920. Cadaver Dissection I (1)

A directed dissection of human cadavers using a systems approach focusing on integumentary, muscular, and nervous system anatomy. **Prerequisites:** Instructor's permission

BIOL3930. Cadaver Dissection II (1)

A directed dissection of human cadavers using a systems approach focusing on cardiovascular, respiratory, digestive, urinary, and reproductive system anatomy. **Prerequisites:** Instructor's permission

BIOL 3960. Internship in Biology (1-4)

A supervised, practical work experience in the student's area of interest performed under a trained professional in a chosen field of biology for a minimum of 40 hrs. per credit. By exposure to a variety of skills and settings the student gains an understanding of various professions in biology and obtains practical experience in his/her area of interest. May be repeated for credit. **Prerequisites:** Completed application form including work supervisor consent, and instructor's permission.

BIOL3970. Research (1-3)

Students will participate with a faculty member in an individual investigative project or literature review. **Prerequisites:** Instructor's permission. May be repeated for up to 4 credits.

BIOL4094. Special Topics in Biology (1-3)

A variety of timely topics may be explored as the demand of students or the interest of the faculty involved dictates. **Prerequisites:** Instructor's permission

BIOL4240. Field Ecology (3)

A study of the interactions between environment, flora and fauna in the field with emphasis on the identification and ecology of species. Various ecological techniques such as estimating abundance, evaluating spatial patterns, sampling and estimating community parameters, will be applied and technologies such as geographical information systems (GIS), and the global positioning system (GPS) will be explored. **Prerequisites:** BIOL3240 or Instructor's permission **Corequisites:** BIOL4240L **Offered:** Alternate years

BIOL4240L. Field Ecology Laboratory (1)

A study of selected topics in laboratory and field settings, which is intended to be taught in connection with BIOL4240. **Corequisites:** BIOL4240 **Fees:** Additional fee required **Offered:** Alternate years

BIOL4410. Biochemistry I (3)

A qualitative and quantitative study of the molecular basis of biological function. Major topics include biomolecular structure and behavior, proteins and enzymes, membranes, thermodynamics and cell metabolism. Course also includes an in-depth survey of the major areas of biochemistry. **Prerequisites:** CHEM3210

BIOL4410L. Biochemistry I Laboratory (1)

A practical application of biochemistry techniques used to investigate the principles of biochemistry. Students will engage in experiments that make use of spectroscopy, chromatography, electrophoresis, kinetics assays, and other methods. Abilities in written communication, in the form of reports and notebooks, will be developed around these standard laboratory skills. **Corequisites:** BIOL4410 **Fees:** Additional fee required

BIOL4420. Biochemistry II (3)

A qualitative and quantitative study of the molecular basis of biological function. Major topics include cell metabolism and molecular genetics. An in-depth survey of the major areas of biochemistry. **Prerequisites:** BIOL4410.

BIOL4720. Advanced Molecular Biology (3)

This course introduces students to advanced concepts of molecular biology. One of the larger goals of modern molecular biology is to elucidate the connections between the genotype (the sequence of nucleotide base-pairs in the organism's genome) and the phenotype (observable traits and behaviors) of all organisms in terms of a general and comprehensive molecular theory. Topics include molecular structure of genes and chromosomes, transcriptional and post-transcriptional control of gene expression, cell signaling, metabolism of proteins and lipids, apoptosis, cancer, molecular genetic techniques etc. **Prerequisites:** BIOL2220, 2230 and 3720 **Corequisites:** BIOL4720L **Offered:** Alternate years

BIOL4720L. Advanced Molecular Biology Laboratory (1)

A study of selected topics in a laboratory setting, which is intended to be taught in connection with BIOL4720. **Corequisites:** BIOL4720 **Fees:** Additional fee required **Offered:** Alternate years

BIOL4960. Internship in Physical Therapy (1-4)

A supervised, practical work experience in physical therapy. The pre-physical therapy student works with registered physical therapists in clinical settings. By exposure to a variety of skills and settings the student gains an understanding of the profession. May be repeated for credit. **Prerequisites:** BIOL1960, Junior classification, Instructor's permission, a cumulative grade point average of 3.20. May be repeated for credit.

BIOL4970. Pre-Physical Therapy Capstone (1)

This experience is required of seniors completing the B.S. in Pre-Physical Therapy degree and involves the written and oral presentation of work completed in BIOL4960. It will also include a written reflection pertaining to University Outcomes.

BIOL4980. Senior Seminar/Capstone (1)

This experience is required of seniors completing the B.S. or B.A. in Biology degrees and involves the written and oral presentation of work completed in BIOL3970, as well as written reflections on University Outcomes.

BSNS-Business

BSNS1110. Introduction to Business (1)

This course is a survey of the field of business including organizing and managing businesses, managing human resources and marketing. Introduces financial issues such as accounting, money and banking, securities markets, business issues, business ethics and international business.

BSNS2170. Computer Applications in Business (3)

Introduction to computers as a tool for business. Includes fundamental concepts of information technology and the use of business application software such as word processing, spreadsheets, database, graphics, electronic communications, and World Wide Web. **Prerequisites:** Computer proficiency or instructor's permission.

BSNS2220. Business Communication (3)

Study of the process and objectives of effective business writing and presentations. The course includes a review of English composition in basic business correspondence and e-systems.

BSNS2330. Math for Business and Finance (3)

An introductory course to statistical theory and applications for decision-making purposes in business. Topics include the role and use of statistics, tables and graphs, data analysis, probability distributions, descriptive measures, and statistical inference, including sampling, hypothesis testing, confidence intervals, analysis of variance, quality control, and regression analysis. Fulfills the General Education Mathematics Competency requirement. **Prerequisites:** minimum ACT Math score of 21, SAT Math score of 550, or Compass Algebra score of 50, or passed MATH0950 Intermediate Algebra, or instructor's permission.

BSNS2950. Field Experience in Business (1-3)

Designed to provide an introductory leadership experience in various business settings. Course includes involvement in various community projects, both as an observer and as a participant. Includes 30-40 hours per credit when completed. Field Experience in Business will be a pass/fail grade and will be determined by the instructor. May be repeated for credit in a different setting. **Prerequisites:** Instructor's permission.

BSNS3010. Personal Finance and Stewardship (3)

A study and application of planning and organizing personal finances. The class will also discuss how students manage and address the challenges of becoming good stewards of their gifts, talents, time and resources. Topics covered include education and experience, earning and spending, savings and debt, giving and tithing, taxes and insurance and social responsiveness. (See ECON3010)

BSNS3030. Management Information Systems (3)

The course considers management information systems from the perspectives of the manager, accountant and data processing professional. Topics include: introductory concepts, hardware and software resources, common areas of application, and planning and developing management information systems. The areas of application include: financial information systems; information systems for marketing production, personnel, and managerial-decision models, and general office information systems. **Prerequisite:** BSNS2170 or instructor's permission.

BSNS3094. Special Topics (1-3)

This course is designed to address specific business topics as designated by the Instructor of Record and approved by the Department Chair.

BSNS3410. Business Law I (3)

Study of the present day law of business in the United States as it relates to contracts, sales, agency, the legal environment, and selected topics. Ethical considerations and international topics are also discussed.

BSNS3420. Business Law II (3)

Study of the present day law of business in the United States as it relates to corporations, agency, and negotiable instruments. Emphasis is also given to legal principles as they apply to partnerships, corporations, and non-corporate associations. Ethical considerations and international topics are also discussed. **Prerequisites:** BSNS3410 or instructor's permission. **Offered:** Alternate years

BSNS3510. Principles of Marketing (3)

Study of marketing from the point of view of the business firm. Topics include the structure of the marketing system, the nature of marketing management, consumer behavior, marketing research, product policy, pricing policy, channels of distribution policy, promotion policy, and analytical techniques useful to marketing management.

BSNS3530. Marketing Communications (3)

Course will deal with the use of advertising, personal selling, sales promotion and public relations as elements in a promotional program. A managerial framework is used to emphasize the integrative aspects of the objectives, copy, media selection, budget decision, audience targeting, and the development of an ad campaign. **Prerequisites:** BSNS3510 or instructor's permission. **Offered:** Alternate years

BSNS3550. Sales Management (3)

Course includes functional aspects of sales force management, personal selling methods, procedures for recruiting, selecting, and training new salespeople, compensation and expense control systems, problems of sales force motivation and supervision; methods of territorial and quota assignment, sales department budgets, distributor-dealer relations, and other selected topics. **Prerequisite:** BSNS3510 or instructor's permission. **Offered:** Alternate years

BSNS3580. Retail Management (3)

Study of the operation and management of retail organizations. Topics include location, layout, pricing, promotion, and purchasing. **Prerequisite:** BSNS3510 or instructor's permission. **Offered:** Alternate years

BSNS3640. Principles of Management (3)

Study of the functions and principles of management with emphasis on relationships between workers and management as well as between individual employees. Topics cover the areas of planning, organizing, directing and controlling personnel, and decision-making procedures and techniques.

BSNS3650. Human Resource Management (3)

A study of the strategic issues in managing human resources. Topics include developing and implementing human resource policies and procedures, human resource planning, job design, analysis and evaluation, staffing, compensation, performance appraisal, training and development career management, labor relations, and legal, ethical and global Human Resource issues. **Prerequisites:** BSNS3640 or Instructor's permission. **Offered:** Alternate years

BSNS3710. Principles of Finance (3)

An introduction to financial management. Topics include financial statement analysis, valuation of cash flows, capital budgeting, the time value of money, the concepts of risk and return, cost of capital, and applications of these concepts in the firm. **Prerequisites:** ECON2410 and BSNS2330 or ACT Math of 21 or instructor's permission.

BSNS3770. Saving and Investing (3)

An introduction to the economics of lifetime saving and investing decisions. Includes introduction to financial institutions involved in saving and investing, operation and properties of stock, bond, and real estate markets, role of tax laws and practices in life time saving and consumption decisions, time value of money principles, saving to achieve personal goals, rate of return and risks of alternative investments, in the context of principles of Christian stewardship. (See

ECON3770) **Prerequisites:** ECON2410 and ECON2420 or instructor's permission. **Offered:** Alternate years

BSNS3810. Business Ethics (3)

Ethical aspects of management decision making from a Christian perspective. Course will pose fundamental questions about executive decisions and the human impact of corporate power.

BSNS3950. Field Experience in Business (1-3)

Designed to provide an introductory experience as a leader in various business settings. Consists of involvement in various community projects, both as an observer and as a participant. The component includes 30-40 hours per credit when completed. Field Experience in Business will be a pass/fail grade determined by the instructor. May be repeated for credit in a different setting. **Prerequisite:** Instructor's permission.

BSNS3960. Internship in Business (2-3)

On-the-job experience that involves the decision-making and problem-solving techniques, skills and knowledge acquired in the classroom. This experience is under the supervision of both a business professional and professor. Internship in Business will be a pass/fail grade determined by the instructor. **Prerequisite:** Instructor's permission.

BSNS4560. Consumer Behavior Marketing Research (3)

Integrated course that examines Consumer Behavior theory and develops the marketing research skills needed to measure customer's attitudes and predict their behavior. **Prerequisites:** BSNS2330, or MATH2240 and BSNS3510 or instructor's permission. **Offered:** Alternate years

BSNS4590. Global Marketing (3)

The course covers the differences between marketing endeavors in international markets and those applicable to domestic markets. Differences in culture and customs as they relate to marketing are also analyzed. **Prerequisites:** BSNS3510 or instructor's permission. **Offered:** Alternate years

BSNS4600. Global Business Strategies (3)

The course will cover the structure of global operations, methods of entering international markets, cultural impact on business practices, legal and ethical impact on multi-international business, human resource management in international firms, and international movement of business factors. **Prerequisites:** BSNS3640 or Instructor's permission. **Fulfills a General Education Tier II Cross-Cultural Experience if taken with CLST1002L Intercultural Lab.**

BSNS4610. Entrepreneurship (3)

Major topics include: identifying potential high growth business opportunities, characteristics of entrepreneurs, developing creativity, evaluating market potential, preparing a business plan, and choosing an exit or succession strategy. **Prerequisite:** BSNS3640 or instructor's permission. **Offered:** Alternate years.

BSNS4670. Organizational Behavior (3)

A study of the effects of organizational structure and style on morale, productivity, and efficiency. **Prerequisites:** BSNS3640 or instructor's permission. **Offered:** Alternate years

BSNS4690. Global Operations Management (3)

The course will cover the structure of global operations and apply quantitative tools needed to make effective decisions. The interaction of operations within the organization will be studied.

BSNS4980. Senior Seminar In Business (3)

Applications seminar requiring students to utilize various business concepts. While topics of current interest in business will be covered, the main emphasis of the course will be on entrepreneurial research projects. **Prerequisites:** Accounting, Business, Economics, Global Business, Management and Marketing majors with senior classification or instructor's permission.

CHED-Christian Education

CHED1810. Christian Discipleship (3)

An introduction to the history and philosophy of the educational work of the church. The various programs of Christian education will be introduced. **Fees:** Additional fee required.

CHED2094. Topics in Christian Ministries (1-3)

A workshop approach to aspects and problems of religious education and/or compassionate ministries. Topics and coordinators will vary. May be repeated for a different topic.

CHED2220. Instructional Bible Study (2)

A Bible study course that will examine and apply appropriate methods for teaching the Bible. Opportunity is given to develop personal skills in teaching and leading small group Bible studies. **Offered:** Alternate years.

CHED3810. Children's Ministries (2)

A study of the characteristics of children and an introduction to their spiritual needs and development. Emphasis will be placed on the challenge of the church in meeting their total needs. **Offered:** Alternate years.

CHED3820. Youth Ministries (2)

A study of activities relating to the church and its involve youth. The course is particularly designed to aid those who are specializing in ministry to youth. **Fees:** Additional fee required.

CHED3840. Family Ministries (2)

An exploration of the principles and practices of educational ministry to families. The course will focus on the changing definition of family and the exploration of current strategies of ministry to the church as family. Attention will be given to fostering spiritual growth in families. **Offered:** Alternate years.

CHED3860. Advanced Youth Ministries (2)

A study of the nature and needs of youth with special attention given to identity and faith development as well as current information from the discipline of youth ministry. **Prerequisites:** CHED3820 must be taken previous semester or year. **Offered:** Alternate years. **Fees:** Additional fee required.

CHED4094. Topics in Christian Ministries (1-3)

A workshop approach to aspects and problems of religious education and/or compassionate ministries. Topics and coordinators will vary. May be repeated for a different topic.

CHEM-Chemistry

CHEM1040. Forensic Science (3)

An introductory course in forensic chemistry, biology, and physics for the general student. This course will explore the science related to forensics such as data collection, DNA analysis, entomology, drugs, explosives, and ballistics. No prior knowledge of chemistry is assumed. **Corequisites:** CHEM1040L. **Offered:** Alternate years

CHEM1040L. Forensics Science Laboratory (1)

An application and exploration of the principles and techniques described in CHEM1040. **Corequisites:** CHEM1040 **Fees:** Additional fee required. **Offered:** Alternate years

CHEM1060. Chemistry for Citizens (3)

An examination of the role of chemistry in today's society: historical aspects, technological advances, industrial applications, environment and ecological applications. No prior knowledge of chemistry is assumed. **Corequisites:** CHEM1060L **Offered:** Alternate years

CHEM1060L. Chemistry for Citizens Laboratory (1)

An application and exploration of the principles and techniques described in CHEM1060. **Corequisites:** CHEM1060 **Fees:** Additional fee required. **Offered:** Alternate years

CHEM1200. Principles of General Chemistry (3)

This course will prepare a student for entry into CHEM1210 or CHEM2210. A grounding in major principles of general chemistry including atoms, nomenclature, molecular structure, bonding and stoichiometry. No prior knowledge of chemistry is assumed. **Prerequisites:** High school algebra.

CHEM1200L. Principles of General Chemistry Laboratory (1)

An application and exploration of the principle techniques described in CHEM1200. **Corequisites:** CHEM1200

CHEM1210. Principles of Organic and Biochemistry (3)

An introduction to the major areas of chemistry needed for a career in the health sciences including: stoichiometry, states of matter, pH, equilibrium, organic functional groups, organic structure, reactions, lipids, carbohydrates, steroids, proteins, enzymes, RNA-DNA, metabolism and the chemistry of nutrition. **Prerequisites:** High school chemistry or

CHEM1200 **Corequisites:** CHEM1210L

CHEM1210L. Principles of Organic and Biochemistry Laboratory (1)

An application and exploration of the principles and techniques described in CHEM1210. **Corequisites:** CHEM1210 **Fees:** Additional fee required

CHEM2094. Topics in Chemistry (1-3)

A study of a current topic in chemistry or biochemistry. Topics may include, but are not limited to, environmental chemistry, organic chemistry, computer modeling and biochemical advancements. **Prerequisites:** Instructor's permission

CHEM2210. General Chemistry I (3)

An in-depth survey of the principles underlying chemistry including atomic structure, periodic table and laws, bonding, chemical reactions, stoichiometry, states of matter, pH, nuclear and industrial chemistry. Previous chemistry is recommended. **Prerequisites:** Math ACT 21 or equivalent on Compass Exam. **Corequisites:** CHEM2210L

CHEM2210L. General Chemistry I Laboratory (1)

An application and exploration of the principles and techniques described in CHEM2210, including physical properties, stoichiometry, gas laws and thermochemistry. An emphasis is placed on basic laboratory techniques and sensor-based data acquisition. **Corequisites:** CHEM2210 **Fees:** Additional fee required

CHEM2220. General Chemistry II (3)

An in-depth survey of the principles underlying chemistry, including solutions, acids/bases, solubility, thermodynamics, kinetics, and electrochemistry. Emphasis is placed on a quantitative understanding of chemical phenomena. **Prerequisites:** CHEM2210. **Corequisites:** CHEM2220L

CHEM2220L. General Chemistry II Laboratory (1)

An application and exploration of the principles and techniques described in CHEM2220, including equilibrium, acids, bases, kinetics, thermodynamics, and electrochemistry. Emphasis is placed on safety and report writing. Includes qualitative analysis. **Corequisites:** CHEM2220 **Fees:** Additional fee required

CHEM2610. Analytical Chemistry (3)

An application of the principles and reactions of chemistry as they relate to product quality and analysis of materials. Includes in-depth review of pH, electrochemistry, stoichiometry and titration. **Prerequisites:** CHEM2220. **Corequisites:** CHEM2610L

CHEM2610L. Analytical Chemistry Laboratory (1)

A laboratory exploration to complement the topics and techniques in CHEM2610. Includes sampling, statistics, chemical, titration, and electrochemical methods, with an emphasis on using spreadsheets to simulate and analyze. **Corequisites:** CHEM2610 **Fees:** Additional fee required

CHEM3094. Topics in Chemistry (1-3)

An advanced study of a current topic in chemistry or biochemistry. Topics may include, but are not limited to, environmental chemistry, organic chemistry, computer modeling and biochemical advancements. **Prerequisites:** Instructor's permission

CHEM3210. Organic Chemistry I (3)

An in-depth analysis of modern organic chemistry including structure, bonding, stereochemistry, reactions, mechanisms, synthesis and spectroscopy. **Prerequisites:** CHEM2220 **Corequisites:** CHEM3210L

CHEM3210L. Organic Chemistry I Laboratory (1)

A laboratory application of the principles and techniques described in CHEM3210. An emphasis is placed on laboratory technique, keeping a laboratory notebook, synthesis schemes, and identification. Incorporates advanced laboratory techniques such as HPLC, GCMS, FT-IR, and NMR. **Corequisites:** CHEM3210 **Fees:** Additional fee required

CHEM3220. Organic Chemistry II (3)

A continuation of CHEM3210 Organic Chemistry

I. Prerequisites: CHEM3210 **Corequisites:** CHEM3220L **Fees:** Additional fee required

CHEM3220L. Organic Chemistry II Laboratory (1)

A continuation of CHEM3210L Organic Chemistry I

Laboratory. **Prerequisites:** CHEM3210L **Corequisites:** CHEM3220 **Fees:** Additional fee required

CHEM3310. Inorganic Chemistry (3)

An in-depth analysis of inorganic chemistry with review of atomic structure, bonding, and periodic properties. Includes states of matter, structure of materials and coordination and organometallic chemistry. **Prerequisites:** CHEM2220. **Offered:** Alternate years

CHEM3510. Thermodynamics and Kinetics (3)

A survey of thermodynamics, equilibria, and kinetics with emphasis on concepts and applications in chemistry, biochemistry and materials. **Prerequisites:** CHEM2220. **Offered:** Alternate years

CHEM3620. Integrated Laboratory I (1)

An advanced laboratory course incorporating work from the major chemistry subdisciplines: organic, inorganic, physical and instrumental. Emphasis will be placed on integrating aspects of chemical synthesis, spectroscopic characterization and determination of physical properties. **Prerequisites:** CHEM2220. **Fees:** Additional fee required

CHEM4094. Topics in Chemistry (1-3)

An advanced study of a current topic in chemistry or biochemistry. Topics may include, but are not limited to, environmental chemistry, organic chemistry, computer modeling, and biochemical advancements. **Prerequisites:** Instructor's permission

CHEM4610. Integrated Laboratory II (1)

An advanced laboratory course incorporating work from the major chemistry subdisciplines: organic, inorganic, physical, and instrumental. Emphasis will be placed on integrating aspects of chemical synthesis, spectroscopic characterization, and determination of physical properties. **Prerequisites:** CHEM3620. **Fees:** Additional fee required

CHEM4710. Structure Elucidation (3)

Identification of organic compounds using physical and chemical properties, infrared and mass spectroscopy, and nuclear magnetic resonance spectroscopy, including advanced techniques in proton, carbon, and multi-dimensional spectra. **Prerequisites:** CHEM3220

CHEM4720. Advanced Organic Chemistry (3)

Advanced study of organic chemistry, including reaction mechanism, total synthesis, and molecular orbital theory. **Prerequisites:** CHEM3220

CHEM4970. Research (1-6)

A capstone experience consisting of a faculty supervised independent investigative project. **Prerequisites:** Permission of the Department Chair

CHEM4980. Senior Seminar/Capstone (1)

An oral and written communication of the research project. **Prerequisites:** Permission of the Department Chair

CHIN-Chinese**CHIN1010. Elementary Chinese (2)**

This course is for students who wish to begin the study of Mandarin and Chinese characters, and will include an introduction to Chinese culture. Topics will include the acquisition of basic vocabulary, sounds and structures with emphasis on conversation and basic Chinese characters. Students will participate in level-one modules designed to improve speaking, listening, and reading/writing. **Fulfills a General Education Tier III Cross-Cultural Experience if taken with CHIN1010CL Intercultural Lab Tier III.**

CHIN1020. Elementary Chinese (2)

A continuation of CHIN1010. For students who wish to begin the study of Mandarin and Chinese characters and acquire an introduction to Chinese culture. Topics will include the acquisition of basic vocabulary, sounds and structures with emphasis on conversation and basic Chinese characters. Students will participate in level-two modules designed to improve speaking, listening, and reading/writing. **Fulfills a General Education Tier III Cross-Cultural Experience if taken with CHIN1020CL Intercultural Lab Tier III.**

CHIN1030. Elementary Chinese (2)

A continuation of CHIN1020. For students who wish to begin the study of Mandarin and Chinese characters and acquire an introduction to Chinese culture. Topics will include the acquisition of basic vocabulary, sounds and structures with emphasis on conversation and basic Chinese characters. Students will participate in level-two modules designed to improve speaking, listening, and reading/writing. **Fulfills a General Education Tier III Cross-Cultural Experience if taken with CHIN1030CL Intercultural Lab Tier III.**

CHIN1094. Topics in Chinese Culture, Literature or Linguistics (3)

Topics of special interest in Chinese culture, including history, literature, or linguistics. May be taught in Chinese or English. **Prerequisites:** Instructor's permission if course is taught in Chinese. May be repeated for credit.

CHIN2010. Intermediate Chinese (4)

For students who have completed elementary Chinese. A refinement of basic skills and structure with continued emphasis on Chinese characters and increasing emphasis on speaking, listening, reading, writing, and culture. **Fulfills a General Education Tier II Cross-Cultural Experience if taken with CLST1002L Intercultural Lab. Prerequisites:** CHIN1030 or equivalent.

CHIN2020. Intermediate Chinese (4)

A continuation of CHIN2010. For students who have completed elementary Chinese. A refinement of basic skills and structure with continued emphasis on Chinese characters and increasing emphasis on speaking, listening, reading, writing, and culture. **Fulfills a General Education Tier II Cross-Cultural Experience if taken with CHIN2020CL Intercultural Lab Tier II. Prerequisites:** CHIN2010 or equivalent.

CHIN2094. Topics in Chinese Culture, Literature or Linguistics (3)

Topics of special interest in Chinese culture, including history, literature, or linguistics. May be taught in Chinese or English. **Prerequisites:** Instructor's permission if course is taught in Chinese. May be repeated for credit.

CHIN3010. Advanced Conversation and Composition (3)

A continuation of 2020. Course will include extensive conversation with continued emphasis on composition and Chinese characters. Students will complete modules in speaking, reading, writing, and listening in the broader context of Chinese culture. **Prerequisites:** CHIN2020 or instructor's permission.

CHIN3094. Topics in Chinese Culture, Literature or Linguistics (3)

Topics of special interest in Chinese culture, including history, literature, or linguistics. May be taught in Chinese or English. **Prerequisites:** Instructor's permission if course is taught in Chinese. May be repeated for credit.

CHIN4094. Topics in Chinese Culture, Literature or Linguistics (3)

Topics of special interest in Chinese culture, including history, literature, or linguistics. May be taught in Chinese or English. **Prerequisites:** Instructor's permission if course is taught in Chinese. May be repeated for credit.

CHIS-Church History**CHIS2410. History and Manual, Church of the Nazarene (2)**

A study of the historical backgrounds and development of the Church of the Nazarene. Special attention will be given to the content and spirit of the Manual of the Church of the Nazarene.

CHIS3094. Topics in Church History (1-3)

An examination of some phase of church history not covered in other courses. May be repeated for credit.

CHIS3610. History of the Christian Tradition I (3)

A study of the historical development of Christianity from 150 to 1000 C.E. The course will trace the significant influences in history on the theological and ecclesiastical changes and maturation through the first ten centuries. The student will be given opportunity to read primary sources as well as grasp the overall flow of church history. **Prerequisites:** THEO2100. **Fees:** Additional fee required.

CHIS3620. History of the Christian Tradition II (3)

A study of the historical development of Christianity from 1000 to the 21st Century. The course will trace the significant influences in history on the theological and ecclesiastical changes and maturation from the Middle Ages through the present. The student will be given opportunity to read primary sources as well as grasp the overall flow of church history. **Prerequisites:** THEO2100.

CLST-Cultural Studies**CLST1001L. Intercultural Lab - Tier 1 (0)**

This lab is a co-requirement with Tier 1 travel experiences for the General Education Cross Cultural Requirement. In order to fulfill general-education requirements for an approved Tier 1 travel experience, students must enroll in the intercultural lab. In the lab, students will complete the cross-cultural seminar and various self-reflection exercises related to their cross-cultural experience.

CLST1002L. Intercultural Lab - Tier 2 (0)

This lab is a co-requirement with Tier 2 cross-cultural courses/experiences for the General Education Cross Cultural Requirement. In order to fulfill general-education requirements for an approved Tier 2 course or experience, students must enroll in the intercultural lab. In the lab, students will complete the cross-cultural seminar and various self-reflection exercises related to their cross-cultural experience.

CLST1003L. Intercultural Lab - Tier 3 (0)

This lab is a co-requirement with Tier 3 cross-cultural courses and stand-alone experiences for the General Education Cross Cultural Requirement. In order to fulfill general-education requirements for an approved Tier 3 course or stand-alone experience, students must enroll in the intercultural lab. In the lab, students will complete the cross-cultural seminar and various self-reflection exercises related to their cross-cultural experience.

CLST1010. Cultural Orientation for International Students (2)

This course will provide international students with opportunities to focus on issues of adjustment to US culture generally and the classroom environment specifically. Basic values of the home culture will be compared and contrasted with those of North American colleagues and instructors. Models for identifying cultural characteristics will be studied and applied to the present cultural context by combining conceptual structures with field trip experiences and interactions with individuals in the NNU, Nampa and larger community. Focus will be placed on English comprehension, analytical thinking and interacting in a classroom environment.

CLST1020. Dynamics of Intercultural Dialogue (2)

This course will bring together North American and international students with the express purpose of examining the dynamics of intercultural interaction. Course content will focus on exploring models for identifying cultural characteristics, understanding the dynamics of intercultural communication and participating in activities that explore the nature and influence of culture. This course will incorporate 10 hours of "contact time" (required for a Tier 2 experience) into structured interactions during class time. **Fulfills a General Education Tier II Cross-Cultural Experience if taken with CLST1020CL Intercultural Lab Tier II.**

CLST1094. Topics in Cultural Studies (1-3)

Cultural studies topics courses introduce material of particular relevance to the core curriculum in cultural studies. Topics courses are offered on a rotating basis, and include such content as: gender and identity, inter-cultural communication, and cultural identity in modernity. Students will research various topics within the areas of sociology and cultural studies. May be repeated for credit.

CLST2094. Topics in Cultural Studies (1-3)

Cultural studies topics courses introduce material of particular relevance to the core curriculum in cultural studies. Topics courses are offered on a rotating basis, and include such content as: gender and identity, inter-cultural communication, and cultural identity in modernity. Students will research various topics within the areas of sociology and cultural studies. May be repeated for credit.

CLST2960. Cultural Studies Practicum (1)

This course will prepare students for upper division field experience and internships in cultural studies. The course will provide opportunities for students to study and engage specific cross cultural groups living in the United States, spend time with individuals from those cross cultural traditions and meet a Tier 3 Cross cultural Requirement by reflecting and writing about their interactions. **Prerequisite:** Instructor's permission. **Fulfills a General Education Tier III Cross-Cultural Experience if taken with CLST2960CL Intercultural Lab Tier III.**

CLST2970. Sophomore Research in Cultural Studies (1)

The student will assist an upper division research student or professor in conducting research. The student will learn the basics about the selected topic of research and gain experience in research methods. May be repeated for a maximum of 2 credits. **Prerequisites:** Instructor's permission.

CLST3094. Topics in Cultural Studies (1-3)

Cultural studies topics courses introduce material of particular relevance to the core curriculum in cultural studies. Topics courses are offered on a rotating basis, and include such content as: gender and identity, inter-cultural communication, and cultural identity in modernity. Students will research various topics within the areas of sociology and cultural studies. May be repeated for credit.

CLST3960. Cultural Studies Field Experience (1-3)

This course will provide opportunities for students to study and engage specific cross cultural groups living in the United States and spend time with individuals from those cross cultural traditions. Course meets a Tier 2 Cross Cultural Requirement with reflection and writing about interactions. **Prerequisite:** Instructor's permission. **Fulfills a General Education Tier II Cross-Cultural Experience if taken with CLST3960CL Intercultural Lab Tier II.**

CLST3970. Junior Research in Cultural Studies (1)

The student will begin the process of developing independent research. This may be in cooperation with a professor or senior research student. May be repeated for a maximum of 2 credits. **Prerequisites:** CLST2970 and instructor's permission.

CLST4010. Capstone (1)

This course provides students with a context for reflection and self-analysis regarding their educational experience at NNU. The approach in this course to self-analysis and critical reflection is two-fold: 1) students will reflect on their comprehensive educational experience through the lens of the four university outcomes, and 2) students will think about and discuss the integration of their learning with their future, post-university lives. (See CRIM4010, HUMN4010, PSYC4010, SOGY4010, SPAN4010)

CLST4094. Topics in Cultural Studies (1-3)

Cultural studies topics courses introduce material of particular relevance to the core curriculum in cultural studies. Topics courses are offered on a rotating basis, and include such content as: gender and identity, inter-cultural communication, and cultural identity in modernity. Students will research various topics within the areas of sociology and cultural studies. May be repeated for credit.

CLST4970. Senior Research in Cultural Studies (1-4)

The student will develop and complete an empirical research project and a written report suitable for submission to a professional journal or the student will assist a faculty member in independent professional research. May be repeated for a maximum of 6 credits. **Prerequisites:** CLST3970, PSYC3640, and instructor's permission.

COMM-Communication Studies**COMM1010. Introduction to Communication (3)**

An introduction to the foundations of the field of communication and the communication process. Topics will include communication theories, areas of communication, and how communication affects society and research in the field.

COMM1210. Introduction to Public Speaking (3)

An introduction to verbal communication in groups, listening, and public speaking. Emphasis will be placed on speaking, delivery issues, speech construction, audience connection, and the communication process.

COMM1260. Introduction to Video (1)

A basic approach to video production for Mass Communication majors and other students interested in basic video production. Emphasis is placed on telling a story through the visual media and includes introductions to composition, camera movement, audio, lighting, and editing. **Fees:** Additional fee required.

COMM1310. Oral Interpretation (3)

This course is an introduction to the intellectual, emotional, and aesthetic aspects of literature. Emphasis is placed on analysis and presentation of literature as it communicates to the listener. Performances include prose, poetry, and drama. **Offered:** Alternate years.

COMM2010. Small Group Communication (3)

An approach to small group communication theory with emphasis on identifying and developing appropriate communication strategies for various group situations. **Offered:** Alternate years.

COMM2020. Media Systems and Literacy (3)

Study of the history, structures, technologies, genres, theories and influences of the mass media on individuals and society. Designed to prepare students to be media literate, critical, and responsible producers and consumers of the mass media.

COMM2030. Interpersonal Communication (3)

An introduction to interpersonal communication theories, research and practice. Focus is on influences and effects of interpersonal relationships and ways to improve communication. Satisfies a General Education Social Science requirement.

COMM2050. History of Film and Television (2)

A survey of the development of technology, programming and business of both motion pictures and television. Includes a study of the major personalities, scandals and events which shaped both industries. **Offered:** Alternate years

COMM2094. Topics in Communication Studies (1-3)

A concentrated study of one topic in communication studies. May be repeated for credit. **Prerequisites:** Instructor's permission.

COMM2120. Communication Activities (1-2)

Opportunities for Communication and Mass Communication majors as well as non-majors to prepare for and participate in a variety of communication activities approved by the department. May be repeated for credit.

COMM2250. Introduction to Scriptwriting (3)

A survey of the process, forms, and techniques for writing scripts in non-fiction applications. This includes advertising, news, documentary, corporate training and promotion. Course includes lecture, scriptwriting exercises, labs, and analysis and critique of student work.

COMM2260. Intermediate Video Production (3)

Study of the roles and processes in studio and remote video production. Includes the technical and creative aspects of producing, directing, camera, lighting, sound, editing, graphics, and basic engineering for television. Course includes traditional lecture, lab exercises, CD-ROM instruction, and individual and group video projects. **Fees:** Additional fee required.

COMM2280. Audio For Film and Television (2)

A lab course involving student production of voice, music, and sound effects projects. Includes a study of microphone selection and placement, signal processing and shaping, and field and studio recording as they specifically relate to film and television production and post production. **Prerequisites:** Instructor's permission. **Fees:** Additional fee required.

COMM2420. Introduction to Public Relations (3)

An introduction to the theory, research, and practical aspects of public relations. Emphasis will be placed on the process of public information dissemination in business, industrial, educational and social organizations. **Offered:** Alternate years.

COMM2950. Internship in Communication Studies (1-3)

The student may select a supervised professional internship - with 50 clock hours per credit required. This activity concludes with a formal written and oral presentation. **Prerequisites:** Courses basic to the area of the internship as approved by the advisor. May be repeated for credit upon approval by the advisor.

COMM3010. Producing Film and Television (2)

A survey of the many roles and responsibilities of the television and motion picture producer. Students will follow the development of a major film and television project from inception to release, learn to analyze and predict the shifting moods of the industries, and develop the practical skills of a producer. **Prerequisites:** COMM2260. **Fees:** Additional fee required. **Offered:** Alternate years.

COMM3020. Organizational Communication (3)

The study of the nature and function of communication within the organization. Emphasis will be on group process, networks, discussion, decision making, message creation and organizational climate and culture.

COMM3030. Film Theory and Criticism (3)

Survey of narrative and documentary motion pictures, from Edison and Lumiere to the present. Course covers the structural and aesthetic trends of motion pictures through the viewing and analysis of selected classic films that exemplify these trends. **Offered:** Alternate years.

COMM3050. Nonverbal Communication (3)

Study of the types and effects of nonverbal communication in our lives including: touch, space, physical appearance, movement, facial expression, vocalics, and artifacts. Emphasis will be placed on nonverbal theories and research on nonverbal communication in interpersonal interaction. **Prerequisites:** COMM2030.

COMM3094. Topics in Communication Studies (1-3)

A concentrated study of one topic in communication studies. **Prerequisites:** Instructor's permission. May be repeated for credit.

COMM3120. Advanced Communication Activities (1-2)

Advanced opportunities or leadership roles for Communication and Mass Communication majors as well as non-majors in a variety of communication activities approved by the department. May be repeated for credit.

COMM3210. Advanced Public Speaking (3)

A course designed to enable students to improve their public speaking techniques. Emphasis will be placed both on theory and skill development. **Prerequisites:** COMM1210 or instructor's permission. **Offered:** Alternate years.

COMM3250. Advanced Screenwriting (3)

An advanced seminar approach to screenwriting, covering writing for narrative and documentary TV/film. Students write scripts for documentaries and teleplays/screenplays. **Prerequisites:** COMM2250 or instructor's permission. **Fees:** Additional fee required. **Offered:** Alternate years.

COMM3260. Advanced Television Production (3)

Advanced techniques and concepts of both single and multi-camera television production using the mediums of standard and hi-def video. Includes technical and engineering issues, commercial and program development, and advanced techniques in lighting, composition, audio recording, camera movement and post-production. **Prerequisites:** COMM2260 or instructor's permission. **Fees:** Additional fee required.

COMM3280. Communication Law and Ethics (3)

Survey of communication law and ethics and the relevance to concerns of consumers and producers of communication events. Students learn the nature and value of making an argument, the foundations of U.S. law as it relates to communication, and the makeup and procedures of the court system, all within a Christianity-based ethical context. Students accomplish this through extensive case studies and competitive exercises. **Offered:** Alternate years

COMM3290. Intermediate Post-Production (2)

A lab course designed to familiarize the student with the advanced tools and techniques of the industry standard non-linear editing suites. Includes an introduction to editing theory and the most popular third-party software packages for graphic design, image manipulation, and 3-D animation. **Prerequisites:** COMM3260 or instructor's permission. **Fees:** Additional fee required.

COMM3420. Persuasion (3)

A practical approach to the study of psychological and rhetorical principles vital to influencing human behavior. Topics include major social science theoretical perspectives, expertise, trustworthiness, likability, use of emotions, and sequencing of messages. **Offered:** Alternate years.

COMM3500. Argumentation and Debate (3)

Theory and practice of argumentation and debate. Research, analysis, reasoning, evidence, preparation of briefs, organization, and delivery. Intercollegiate tournament participation encouraged but not required. **Offered:** Alternate years.

COMM3600. Broadcast Communication (3)

A skills-based class designed to help the student learn and perfect the skills required for communicating through the broadcast media. Emphasis will be placed on diction, presentation, poise, and organization in press conferences, reporting, and news room situations. **Prerequisites:** COMM2250 or instructor's permission. **Offered:** Alternate years.

COMM3650. Teaching Communication Studies in Secondary Schools (2)

Strategies appropriate to this subject field. Includes instructional materials and tools and curricular structure common to the subject in the secondary school. Includes opportunities for students to assist and teach a minimum of 20 hours. (See EDUC3650) **Prerequisites:** Admission to Teacher Education Program, Junior classification. **Corequisites:** EDUC3510, EDUC3750.

COMM4094. Topics in Communication Studies (1-3)

A concentrated study of one topic in communication studies. May be repeated for credit. **Prerequisites:** Instructor's permission.

COMM4250. Cinematography (3)

An introduction to the art and responsibilities of the Director of Photography. Students learn to interpret the story of the script through accomplished visual images on film. Topics include film emulsions, exposure and latitude, advanced lighting techniques, film camera operation, color correction, the work and art of the Director of Photography. **Prerequisites:** COMM3260 or instructor's permission. **Fees:** Additional fee required.

COMM4260. Film and Television Directing (3)

Advanced techniques of film style television, documentary and feature film directing. Course includes script analysis, studio and location shooting, and interpretation of story through the direction of image making and actor performance. Students work together to direct a short feature or documentary on film or hi-def video. **Prerequisites:** COMM4250. **Fees:** Additional fee required.

COMM4420. Advanced Public Relations (3)

An in-depth study of the theory and practice of public relations in the U.S. Emphasis will be placed on analyzing and assessing case studies in public relations problems, and in designing and executing a professional public relations campaign. Students will engage in reading, critique, analysis, and design activities. **Prerequisite:** COMM2420 or instructor's permission.

COMM4440. Rhetorical Theory and Criticism (3)

Explores classical and modern perspectives of rhetoric. Includes a study of classical and modern rhetoricians and their contributions to the art of rhetoric. **Offered:** Alternate years.

COMM4610. Communication Research and Theory (3)

Study of communication theories and the influence of communication on individuals and society. This course includes a survey of selected topics, research designs and methods in communication, culminating in original student papers and/or group research projects. **Prerequisites:** PSYC3640 and PSYC3640L.

COMM4950. Internship in Communication Studies (1-3)

Supervised internship or research in communication. A student may select: (1) a professional internship - with 50 clock hours per credit required; or, (2) a major research project. Either activity concludes with a formal written and oral presentation. **Prerequisites:** Courses basic to the area of the internship as approved by the advisor. May be repeated for credit upon approval by the advisor.

COMM4970. Senior Project (1)

A one-year capstone experience involving a research project, paper, and a major media production. Must be repeated for credit in the senior year. Required of all Mass Communication majors.

COMM4980. Seminar in Communication Studies (1)

A senior level course which both reviews the major theories and research methods and prepares the student for a future in professional communications. Includes a review of the student's senior project, resume building, interviewing techniques, and preparation for graduate school. **Fees:** Additional fee required.

COMP-Computer Science

COMP1220. Introduction to Computer Science (3)

Provides a broad coverage of topics in computer science and their applications. Investigates the capabilities of computer technology. Includes an introductory experience in programming and the introductions to professional ethics and careers. **Prerequisites:** An ACT Math score of 23 or higher.

COMP2040. Introduction to Web Development (3)

Introduces students to the world of computer science through the World-Wide Web, focusing on the techniques of web-page creation. No programming background is required, although students will learn some programming through scripting languages. **Prerequisites:** COMP1220 or Instructor's permission. **Offered:** Alternate years.

COMP2094. Topics in Computer Programming (1-4)

An intensive study of one programming language not covered in other courses. **Prerequisites:** Instructor's permission. May be repeated for credit

COMP2120. Introduction to Scientific Programming (3)

An introduction to programming for computationally oriented scientists and engineers. Primary emphasis is on fundamental programming concepts and problem-solving using algorithm thinking. **Prerequisites:** An ACT score of 23 or higher.

COMP2220. Computer Programming I (3)

Further study of the syntax and semantics of a programming language using object-oriented design methodology. Problem-solving heuristic and algorithm development will be emphasized. **Prerequisites:** COMP1220 **Corequisites:** COMP2220L

COMP2220L. Computer Programming I Laboratory (1)

A required laboratory associated with COMP2220. **Corequisites:** COMP2220

COMP2260. Event-Driven Programming (3)

An introduction to the principles of developing application programs to run in a Windows environment. Development of real-world, multi-form, commercial applications taken from engineering, business, and industry will be emphasized.

Prerequisites: COMP2220 **Corequisites:** COMP2260L **Offered:** Alternate years

COMP2260L. Event-Driven Programming Laboratory (1)

A required laboratory associated with COMP2260. **Corequisites:** COMP2260 **Offered:** Alternate years

COMP2630. Computer Architecture (3)

An introduction to the basic concepts of a computer system and its architecture using the 80x86 microprocessor. This includes memory, control, and arithmetic logic unit (ALU) interactions. Instruction types, formats, and data representation are studied. **Prerequisites:** COMP2220

COMP2750. Data Structures (3)

Introduction to commonly used computer data structuring techniques. Topics include graphs, stacks, queues, lists, trees, sorting, searching, and memory management. **Prerequisites:** COMP2220

COMP3094. Special Topics in Computing (1-4)

A study of some areas not covered in other computing courses. **Prerequisites:** Instructor's permission. May be repeated for credit

COMP3330. Database Design and Programming (3)

An introduction to application program development in a database environment. Topics will include data structures, file organization, hierarchical network, and relational data models and storage devices. **Prerequisites:** COMP2750,

MATH2310. **Corequisites:** COMP3330L **Offered:** Alternate years

COMP3330L. Database Design and Programming Laboratory (1)

A required laboratory associated with COMP3330. **Corequisites:** COMP3330 **Offered:** Alternate years

COMP3370. Systems Analysis and Design (3)

A study of techniques and tools used to analyze problems with an emphasis on defining the present state of a system and offering a set of alternative designs, which provide an improved system. The types of optimization criteria and tools for performing this analysis will be investigated with examples from business and engineering. **Prerequisites:** COMP2220. **Offered:** Alternate years

COMP3430. Operating Systems I (3)

An introduction to the major concepts of operating system principles. This includes an understanding of the organization and architecture of computer systems at the register-transfer and programming levels of system description. This includes operating system concepts relating specifically to current operating system standards and a formal treatment of programming language translation and compiler concepts. **Prerequisites:** COMP2630, 2750. **Corequisites:** COMP3430L. **Offered:** Alternate years

COMP3430L. Operating Systems I Laboratory (1)

A required laboratory associated with COMP3430. **Corequisites:** COMP3430. **Offered:** Alternate years

COMP3440. Operating Systems II (3)

A continuation of COMP3430 Operating Systems

I. **Prerequisites:** COMP3430. **Offered:** Alternate years

COMP3530. Computer Graphics (3)

An overview of the hardware, software, and techniques used in computer graphics. Topics include 2-D and 3-D transformations, clipping, windowing, display files, surface plots, and fractals. **Prerequisites:** COMP2630, 2750 **Corequisites:** COMP3530L **Offered:** Alternate years

COMP3530L. Computer Graphics Laboratory (1)

A required laboratory associated with COMP3530. **Corequisites:** COMP3530 **Offered:** Alternate years

COMP3630. Networks and Data Communications I (3)

A study of digital data communication in computer networks. The problems, rationales, and possible solutions for various communication protocols will be discussed as well as OSI model and various network protocols. **Prerequisites:** COMP2630, 2750. **Offered:** Alternate years

COMP3640. Networks and Data Communications II (3)

A continuation of COMP3630 Networks and Data Communications

I Prerequisites: COMP3630. **Offered:** Alternate years

COMP3750. Algorithm Analysis (3)

A medium level algorithmic class to introduce various categories of algorithms, formal specification and verification, and algorithmic schemas for specific problems. The algorithm topics include divide and conquer, backtracking, dynamic programming, string processing, graph algorithms, geometric algorithms, fast arithmetic algorithms, genetic programming, and NP completeness and approximation. **Prerequisites:** COMP2750. **Offered:** Alternate years.

COMP3970. Introduction to Senior Project (1)

Presentation of possible topics for the senior software development or research project. Discussion of the style of the written paper and oral presentation. Methods of collecting background information and data will be presented. Attendance at Senior Seminar presentations is required. **Prerequisites:** Junior classification, Computer Science major.

COMP4330. Machine Learning and Data Mining (3)

An introduction to the basic artificial intelligence concepts that are widely used in modern computer systems. Bioinformatics will be used as examples. These concepts include learning theory, supervised/unsupervised learning, machine learning applications, association rules, clustering, classification, and data mining applications. **Prerequisites:** COMP2750. **Offered:** Alternate years

COMP4430. Compilers (3)

A formal treatment of programming language translation and compiler concepts. Emphasis is on parsing algorithm, translation specifications and development of machine-independent code. **Prerequisites:** COMP2630, 2750. **Offered:** Alternate years

COMP4680. Software Development Project (4)

An application of the computer programming and system development concepts, principles, and practices to a comprehensive systems development project. The student may work individually or as a part of a team in the development of a significant software project. **Prerequisites:** Senior classification, COMP3970

COMP4970. Research (1-3)

Involves the participation of the student with a faculty member in an individual investigative project. **Prerequisites:** Instructor's permission. May be repeated for up to 4 credits.

COMP4980. Senior Seminar/Capstone (1)

Required of and limited to senior students. The seminar involves the written and oral presentation of the research project completed in COMP4680 or 4970. **Prerequisites:** COMP4680 or 4970. Must be taken at NNU.

CRIM-Criminal Justice**CRIM1500. Introduction to Criminal Justice (3)**

This course is an overview of the criminal justice system in the United States and covers four major content areas: the nature of crime and laws; policing and law enforcement; courts and adjudication; and corrections. (See SOGY1500.)

CRIM2250. Law Enforcement and Community Policing (3)

This course examines the history and roles of the police in American society. Topics include the philosophy, policy, structure, and methods of law enforcement at the local, state, and federal levels, characteristics of effective police work, and contemporary issues facing law enforcement officers and agencies.

CRIM2960. Criminal Justice Practicum (1)

This course will prepare students for field experiences and internships in criminal justice settings. All criminal justice students seeking field experiences or internships must satisfactorily complete this course prior to registering for CRIM3960 or CRIM4960.

CRIM2970. Sophomore Research in Criminal Justice (1)

The student will assist an upper division research student or professor in conducting research. The student will learn the basics about the selected topic of research and gain experience in research methods. May be repeated for a maximum of 2 credits. **Prerequisites:** Instructor's permission.

CRIM3094. Topics in Criminal Justice (3)

A variety of courses designed to provide theoretical knowledge and practical experience to enhance the preparation of students in the criminal justice program. May be repeated for credit for different topics.

CRIM3150. Corrections (3)

This course provides an overview of the field of corrections, including its history and the goals, methods, and institutions that characterize it today. Topics include clients and officers, programs and facilities, life in and after incarceration, community corrections, and issues of punishment and reform, including innovation in policy, programs, and techniques.

CRIM3200. Juvenile Justice (3)

A study of the forms, causes, and consequences of juvenile delinquency. Intervention for offenders, preventive measures, and the legal and treatment system for dealing with juveniles will also be studied. The course is designed to expose students to textual/theoretical material and knowledgeable professionals from agencies in the community. (See SOGY3200.)

CRIM3550. Criminology (3)

This course is designed to introduce students to criminology as a field of study. Students will be introduced to theories that attempt to explain criminal behavior from social, economic, biological, personality and individual perspectives. It includes study of the types of crime, the classes and nature of offenders, and methods for treating offenders and preventing crime.

CRIM3960. Field Placement in Criminal Justice (1-2)

Supervised experience in a criminal justice setting designed to give the student practical, on-site exposure to the employment settings in the field of criminal justice. Some reading and journaling are required. May be repeated for a maximum of 4 credits. **Prerequisites:** CRIM2960 and instructor's permission. This course is available only to students in the Criminal Justice program.

CRIM3970. Junior Research in Criminal Justice (1)

The student will begin the process of developing independent research. This may be in cooperation with a professor or senior research student. May be repeated for a maximum of 2 credits. **Prerequisites:** CRIM2970 and instructor's permission.

CRIM4010. Capstone (1)

This course provides students with a context for reflection and self-analysis regarding their educational experience at NNU. The approach in this course to self-analysis and critical reflection is two-fold: 1) students will reflect on their comprehensive educational experience through the lens of the four university outcomes, and 2) students will think about and discuss the integration of their learning with their future, post-university lives. (See CLST4010, HUMN4010, PSYC4010, SOGY4010, SPAN4010)

CRIM4250. Criminal Court Systems (3)

This course provides a description and analysis of the structure, functions, and procedures of the criminal court system in the United States, including the roles of the prosecutor, defender, judge, jury, and court administrator. The history of the system and issues facing the criminal courts today are examined. **Offered:** Alternate years.

CRIM4350. Criminal Law (2)

This course provides an introduction to the criminal law, including an historical overview and a survey of general legal principles. It covers basic elements of common and statutory law, and discusses specific categories of offenses and defenses used against prosecution for them. **Offered:** Alternate years.

CRIM4360. Criminal Procedure (2)

This course emphasizes the procedural protections established in the Bill of Rights and enforced by the courts through the procedural exclusion of evidence or the procedural dismissal of cases. In the course, students study the Fourth Amendment (Search and seizure), the Fifth Amendment (Rights against self-incrimination and double jeopardy), the Sixth Amendment (Rights to grand jury indictment, notice of charges, speedy and public trial, trial by impartial jury, confrontation of witnesses, compulsory process of favorable witnesses, and assistance of counsel), the Eighth Amendment (Rights against excessive bail and cruel and unusual punishment), and the Fourteenth Amendment (Application of Bill of Rights to the states).

CRIM4960. Internship in Criminal Justice (3-15)

This course requires 45 hours per credit in an approved setting of intensive experience-based learning. Course is designed to give students in-depth, work-setting knowledge of an aspect of the field of criminal justice. Students assume career-related duties as deemed appropriate by their site-supervisor and approved by their major advisor. **Prerequisites:** CRIM2960, junior standing and instructor's permission. This course is available only to students in the Criminal Justice program.

CRIM4970. Senior Research in Criminal Justice (1-4)

The student will either develop and complete an empirical research project and a written report suitable for submission to a professional journal or assist a faculty member in independent professional research. May be repeated for a maximum of 6 credits. **Prerequisites:** CRIM3970 and instructor's permission.

ECON-Economics**ECON1010. Personal Finance (3)**

An introduction to decision making in personal economics. Emphasis will be placed on the financial choices faced by individuals in the build-up and management of net worth. Topics covered include education and experience, earning and spending, savings and debt, taxes and inflation, insurance, investments, and contracts.

ECON1050. Analysis of Economic Issues (3)

Introduction to the theory of supply and demand, and application of this theory to economic issues such as social security, crime, medical care, poverty, higher education, economic systems, pollution, big business, free trade, the U.S. national debt, and economic growth. **Prerequisites:** ACT mathematics score of 20 or better; or, a college level mathematics course or Instructor's permission.

ECON2410. Principles of Microeconomics (3)

A study and application of microeconomic analysis; includes supply, demand, pricing, consumer choice, and international concerns.

ECON2420. Principles of Macroeconomics (3)

A study and application of macroeconomic analysis; includes gross national product, national income, consumption, investment, inflation, and economic growth and development, and international applications.

ECON3010. Personal Finance and Stewardship (3)

A study and application of the planning and organizing of personal finances. Class will explore how students manage and address the challenges of becoming good stewards of their gifts, talents, time and resources. Topics covered include education and experience, earning and spending, savings and debt, giving and tithing, taxes and insurance, and social responsiveness. (See BSNS3010)

ECON3094. Special Topics in Economics (1-3)

An examination of various economic questions and theories not covered in other economic courses. Topics include: financial economics, game theory, health economics, labor economics, environmental economics, public finance and the history of economic thought. **Prerequisites:** Instructor's permission. May be repeated for credit.

ECON3150. Managerial Economics (3)

An application of tools of microeconomics and how they relate to managerial decision making. Includes study of the internal and external economic environments of firms for managerial decision making. Topics include supply and demand, quantitative demand, analysis, production and costs, market structures, game theory, pricing strategies, organization of firms, and social perspectives on managerial decision making. **Prerequisites:** ECON2410 or Instructor's permission. **Offered:** Alternate years

ECON3510. Money and Financial Institutions (3)

A study of monetary economics, including fluctuations of money, determinants on money supply and demand, study of financial institutions, determinants of interest rates, principles and practice of banking and financial intermediaries, formation of monetary policy, the Federal Reserve System, and international monetary forces. **Prerequisites:** ECON2420 or Instructor's permission. **Offered:** Alternate years

ECON3770. Saving and Investing (3)

An introduction to the economics of lifetime saving and investing decisions. Includes introduction to financial institutions involved in saving and investing, operation and properties of stock, bond, and real estate markets, role of tax laws and practices in life time saving and consumption decisions, time value of money principles, saving to achieve personal goals, rate of return and risks of alternative investments in the context of principles of Christian stewardship. (See BSNS3770) **Offered:** Alternate years.

ECON4050. Global Economics (3)

A survey of the theory and practice of international trade and finance around the world. Includes examination of the problems of developed and less developed countries in the world economy. Other topics include globalization, international comparison of standards of living, theories of international exchange, currency markets, balances of international payments, trade policies, transitions from socialism, international economic institutions, regional economic integration and international economic crisis. **Prerequisites:** ECON2420 or Instructor's permission. **Offered:** Alternate years.

EDUC-Education

EDUC1100. Introduction to Teaching (1)

Exploration of the rewards and challenges of the teaching profession. Course includes discussion of current issues in education, a preview of the NNU education program, insights from enthusiastic educators and a 25-hour field experience at the grade level of the student's interest. **Fees:** Additional non-refundable technology fee required.

EDUC2094. Special Topics in Education (1-4)

An opportunity to study current issues in the field of education. Topics may vary. **Prerequisite:** Instructor approval. May be repeated for credit.

EDUC2250. Cultural Diversity in Education (2)

A reflective exploration of race, socio-economic, and changing demographics in communities and schools. Includes a focus on common beliefs held by teachers that may affect the achievement gap between white and minority students. Culturally relevant teaching practices will be developed to enhance learning opportunities for students of color. Course includes a 10-hour field experience. **Prerequisite:** EDUC1100. **Fulfills a General Education Tier II Cross-Cultural Experience if taken with EDUC2250CL Intercultural Lab Tier II.**

EDUC2750. Technology in the Classroom (3)

This course is designed to help students gain an awareness of current and emerging educational and computer technologies and develop practical skills in integrating these technologies in educational settings. The course focuses on helping students acquire the skills necessary to demonstrate technological proficiency based on the "Proficient" level of the current ISTE NETS-T standards. **Prerequisite:** EDUC1100 or instructor approval.

EDUC2960. Field Experience (1)

An overview of lesson planning and domains of teaching. During a 30-hour field experience students will teach and assist in a classroom. **Prerequisite:** EDUC1100. May be taken same semester as EDUC1100.

EDUC3000. Mathematics Lab for Elementary Teachers (2)

Lab-oriented exploration of mathematical concepts to provide understanding of basic mathematical structures and strategies for the elementary teacher. **Prerequisites:** MATH2010, MATH2020. May be taken same semester as MATH2010, MATH2020.

EDUC3010. Teaching English in Secondary Schools (3)

This course introduces pre-service teachers to the fundamentals of theory and practice necessary to teach language arts to the secondary student. Research based best practices of teaching grammar, writing, and literature will be emphasized. Students will write and teach lesson plans. Students are required to complete a 20-hour field experience. (See ENGL3010)

EDUC3150. Education of Exceptional Children (3)

A survey of the characteristics and educational needs of students with learning challenges and those identified as gifted. Course emphasizes causes, incidence, and implications of disabilities and practical strategies for assisting all students to succeed in the regular classroom. Also included is information on special education law and individual educational plans as they apply to general education teachers. A 15-hour field experience is included. **Prerequisites:** EDUC2960; Admission to Teacher Education Program or instructor approval. Exempt: Kinesiology Ed majors who take KINE3630.

EDUC3240. Classroom Management in Elementary Schools (3)

An in-depth study of classroom management principles and practices for elementary teachers. Focus is on equipping future teachers with knowledge and skills for effectively managing a classroom. Course explores motivation, classroom environment, minimizing management problems through proactive strategies, and systematically modifying inappropriate behavior. **Prerequisites:** Admission to Teacher Education Program; Junior classification.

EDUC3250. Fundamentals of Reading (3)

An in-depth study of the essential components for developing the literacy capabilities of elementary children. Focus includes research-based practices of developing word recognition, fluency, and comprehension. Course includes a 25-hour field experience in an elementary classroom during which the student observes the set up and administration of a reading program and participates in reading instruction. This course meets part of the ICLA requirements of the Idaho Department of Education. **Prerequisites:** Admission to Teacher Education Program; Junior classification.

EDUC3260. Content Literacy in Elementary Classrooms (3)

An exploration of principles and strategies for helping elementary students acquire reading and writing skills essential for effective learning in subject areas. Emphasis is on helping future teachers design instruction that develops vocabulary concepts, enhances comprehension, and addresses the varying backgrounds and needs of elementary students as they interact with text. This course meets part of the ICLA requirements of the Idaho Department of Education. **Prerequisites:** Admission to Teacher Education Program; Junior classification.

EDUC3310. Teaching English Language Learners (1)

Exploration of the unique cultural values of children and families whose primary language is not English and study of teaching strategies for helping all students to succeed. Course includes a 15-hour multicultural field experience. **Prerequisites:** EDUC1100; Admission to Teacher Education Program or instructor approval. **Fulfills a General Education Tier II Cross-Cultural Experience if taken with EDUC3310CL Intercultural Lab Tier II.**

EDUC3330. Teaching Art in the K-8 School (3)

Introduces elementary education majors to theoretical and practical experiences necessary for incorporating a discipline-based art education program into the elementary and middle school curriculum. This course may include actual teaching experiences. (See ARDE3330) **Prerequisite:** Admission to Teacher Education Program. **Fees:** Materials fee required.

EDUC3340. Teaching Music in the Elementary School (2)

Study in the application of the principles, procedures, and objectives in school music in the primary and intermediate grades. Special emphasis is given to the basic elements of music and creativity as found in Orff and Kodaly as well as folk music of various cultures and traditions. (See MUSC3450, 3460) **Prerequisites:** Admission to Teacher Education Program; Junior classification. **Corequisite:** EDUC3750.

EDUC3350. Teaching School Health (2)

Course is designed to provide knowledge in three divisions of health education: healthful living, school health services, and health education. Topics include recognition of health issues of children and adolescents (K-12) with opportunity to develop competencies in handling methods and teaching techniques. Includes a 20-hour field experience. (See KINE3350) **Prerequisites:** Admission to Teacher Education Program; Junior classification. **Corequisites:** EDUC3510, EDUC3750.

EDUC3360. Teaching Physical Education in the Secondary Schools (2)

Course will cover strategies appropriate to this subject field, instructional materials and tools, and curricular structure common to this subject in the secondary school. Includes opportunities for students to assist and teach a minimum of 20 hours. (See KINE3360) **Prerequisites:** Admission to Teacher Education Program; Junior classification. **Corequisites:** EDUC3510, EDUC3750.

EDUC3380. Teaching Physical Education in the K-8 Schools (2)

This course introduces students to the basic principles of physical education for children in grades kindergarten through eight. Emphasis will be placed on the development of systematic physical education programming. Students will participate in simulated teaching experiences and/or field observations. (See KINE3380)

EDUC3410. English Language Learners and Content Literacy in Secondary Classrooms (3)

An exploration of principles and strategies for helping all students to access content materials presented in secondary classrooms. Course focuses on teaching content vocabulary, activating prior knowledge, effectively using text materials and graphic organizers to improve comprehension, and designing lesson plans that promote content literacy. Also included are strategies for making content comprehensible for English Language Learners and other at-risk students. A 15-hour multicultural field experience provides students with the opportunity to apply strategies in a setting that reflects diverse student needs. **Prerequisites:** Admission to Teacher Education Program; Junior classification. **Fulfills a General Education Tier II Cross-Cultural Experience if taken with EDUC3410CL Intercultural Lab Tier II.**

EDUC3480. Designing and Implementing Effective Individualized Programs (3)

Strategies for creating and implementing a comprehensive IEP, including K-12 transition plans. Includes instruction on using computer-based IEP programs. Students will learn about the appropriate parts of Special Education laws related to IEP's and Transition.

EDUC3510. Teaching Methods in Secondary Classrooms (3)

An investigation of teaching methods and techniques appropriate for the secondary school classroom. Theoretical principles upon which teaching strategies are based and the principles of classroom management will be considered. Lesson and unit planning are included. Mini-teaching experiences are an integral part of this course. **Prerequisites:** Admission to Teacher Education Program; junior classification. **Corequisites:** EDUC3750; Methods courses in teaching area or first and second teaching fields. Exempt - music majors who do not have a second teaching field.

EDUC3530. Teaching Art in the Secondary School (3)

Examine pragmatic techniques and philosophical approaches necessary to design, implement, and evaluate a comprehensive discipline-based art education program at the secondary school level. Additionally, both historical and contemporary art education issues are examined, discussed, and evaluated. Includes opportunities for students to assist and teach a minimum of 20 hours. (See ARDE3530) **Prerequisites:** Admission to Teacher Education Program; Junior classification. **Corequisites:** EDUC3510, EDUC3750.

EDUC3570. Teaching Mathematics in the Secondary School (2)

Course topics include strategies appropriate to this subject field, instructional materials and tools, and curricular structure common to this subject in the secondary school. Includes opportunities for students to assist and teach a minimum of 20 hours. (See MATH3010) **Prerequisites:** Admission to Teacher Education Program; Junior classification. **Corequisites:** EDUC3510, EDUC3750.

EDUC3580. Teaching Social Studies in the Secondary School (2)

Strategies appropriate to this subject field, instructional materials and tools, curricular structure common to this subject in the secondary school. Includes opportunities for students to assist and teach a minimum of 20 hours. (See HIST3580) **Prerequisites:** Admission to Teacher Education Program; Junior classification. **Corequisites:** EDUC3510, EDUC3750.

EDUC3630. Teaching Foreign Language in the Secondary School (2)

Strategies appropriate to this subject field, instructional materials and tools, curricular structure common to this subject in the secondary school. Includes opportunities for students to assist and teach a minimum of 20 hours. (See SPAN3630) **Prerequisites:** Admission to Teacher Education Program; Junior classification. **Corequisites:** EDUC3510, EDUC3750.

EDUC3640. Teaching Science in the Secondary School (2)

Strategies appropriate to this subject field, instructional materials and tools, curricular structure common to this subject in the secondary school. Includes opportunities for students to assist and teach a minimum of 20 hours. (See BIOL3640) **Prerequisites:** Admission to Teacher Education Program; Junior classification. **Corequisites:** EDUC3510, EDUC3750.

EDUC3650. Teaching Communication Studies in Secondary Schools (2)

Strategies appropriate to this subject field, instructional materials and tools, curricular structure common to the subject in the secondary school. Includes opportunities for students to assist and teach a minimum of 20 hours. (See COMM3650) **Prerequisite:** Junior classification. **Corequisites:** EDUC3510, EDUC3750.

EDUC3750. Classroom Management in Secondary Schools (2)

An in-depth study of classroom management theory and application for secondary teachers. Focus is on equipping future teachers with knowledge and skills for effectively managing a classroom. Course explores motivation, classroom environment, minimizing management problems through proactive strategies and interpersonal skills, responding to minor and serious behavior problems, and systematically modifying inappropriate behavior. **Prerequisites:** Admission to Teacher Education Program; Junior classification. **Corequisites:** EDUC3510; methods courses in teaching area or fields.

EDUC3760. Diagnosis and Remediation: Mild to Moderate (2)

Strategies for using multiple sources of information to diagnose K-12 students' strengths and weaknesses. Using this information, a remediation plan will be developed for students with mild to moderate disabilities. Candidates will learn how to utilize paraprofessionals to maximize learning. Course includes familiarization with community and school resources appropriate for these K-12 students. Field experience is a case study of one mild to moderate student from diagnosis to implementation of remediation plan.

EDUC3770. Diagnosis and Remediation: Severe to Profound (2)

Strategies for using multiple sources of information to diagnose K-12 students' strengths and weaknesses. Using this information, a remediation plan will be developed for students with severe to profound disabilities. Candidates will learn how to utilize paraprofessionals to maximize learning. Course includes familiarization with community and school resources appropriate for these K-12 students. Ten hours of field experience required. Field experience is a case study of one severe to profound student from diagnosis to implementation of remediation plan.

EDUC3870. Assessment of Students with Disabilities (3)

Course will focus on practical applications of assessment. Included are formal and informal assessments, including state approved Response to Intervention programs, Curriculum Based Measurements, and standardized assessments. The 15-hour field experience must involve observation of administration and analysis of formal/informal assessment in the K-12 setting.

EDUC3920. Foundations of Education (2)

Exploration of the historical, philosophical, social and legal foundations of the teaching profession. Purposes and challenges of education will be addressed in relationship to today's changing world. **Prerequisites:** Admission to Teacher Education Program; Junior/Senior classification.

EDUC3960. Field Experience (1)

An additional 30-hour field experience consisting of classroom observation and participation in lesson preparation and classroom presentations. Student assignments will be based on previous experience and individual needs. This course should not be taken the same semester as enrollment in EDUC2960, EDUC3150, EDUC3250 or EDUC3260. **Prerequisites:** EDUC1100, EDUC2750, EDUC2960; Instructor approval. May be repeated for credit.

EDUC4280. Positive Behavioral Supports (2)

Strategies for analyzing student behavior and creating a plan for positive behavior change, which necessitates collaboration and coordination with general educators. Includes Functional Behavioral Assessment, Behavioral Intervention Plan, Classroom Environmental Assessment and a 15 hour field experience.

EDUC4300. Community and Family Facilitation (2)

Strategies for working with family advocates and other outside agencies. Also includes strategies for collaborating with parents or guardians of children with disabilities.

EDUC4430. Teaching the Whole Child (1)

An exploration of research findings and classroom strategies for incorporating movement and the arts into the elementary curriculum for increased development and learning in children. Focus includes physical education, music, art, and drama. Also included is a study of the impact of these areas on the brain development, motivation, and academic performance in all students, including those who may struggle in school. **Prerequisites:** Approval for intern year; Senior classification. **Corequisites:** EDUC4440, EDUC4460, EDUC4540, EDUC4550, EDUC4810.

EDUC4440. Elementary Internship I (2)

Initial teaching experiences in full-day participation in an elementary classroom. Emphasis is on learning classroom routines, establishing classroom environment and rapport with students, and participating as a team member with a cooperating teacher and school staff. **Prerequisites:** Approval for intern year; Senior classification. **Corequisites:** EDUC4430, EDUC4460, EDUC4540, EDUC4550, EDUC4810.

EDUC4450. Elementary Internship II (11)

A continuation of full-day participation in an elementary classroom. Interns assume increased responsibility for standard-based instruction in all areas of the curriculum, including implementation of a content area unit of study. Interns experience immersion in all aspects of the elementary school setting, including instructional decision-making, accommodations for diverse learners, student assessment, classroom management, and professional development opportunities. The semester culminates with interns assuming full responsibility for the classroom. Weekly seminars are part of this experience. **Prerequisites:** EDUC4430, EDUC4440, EDUC4460, EDUC4540, EDUC4550, EDUC4810. **Corequisite:** EDUC4950. **Fees:** Additional fee required.

EDUC4460. Assessment and Intervention in Reading (3)

An examination and application of research-based practices for using assessment to guide instruction in literacy. Included is a field experience in which the intern diagnoses literacy needs of a struggling reader and designs and delivers interventions to support that elementary student's literacy development. This course meets part of the ICLA requirements of the Idaho Department of Education. **Prerequisites:** Approval for intern year; Senior classification. **Corequisites:** EDUC4430, EDUC4440, EDUC4540, EDUC4550, EDUC4810.

EDUC4540. Methods of Teaching Social Studies and Language Arts in the Elementary Classroom (4)

A course of integrated study of teaching methodology encompassing elementary school social studies and language arts. Students design instruction to meet curriculum standards, devise accommodations for students with diverse needs, and plan assessment procedures to monitor student progress. A focus on unit and lesson planning, classroom environment, instruction, and professionalism equips students for the student teaching experience. **Prerequisites:** Admission to Teacher Education Program; Department approval. **Corequisite:** EDUC4430, EDUC4440, EDUC4460, EDUC4550, EDUC4810.

EDUC4550. Methods of Teaching Science and Mathematics in the Elementary Classroom (4)

A study of teaching methodology encompassing elementary school science and mathematics. Students design instruction to meet curriculum standards, devise accommodations for students with diverse needs, and plan assessment procedures to monitor student progress. A focus on unit and lesson planning, classroom environment, instruction, and professionalism equips students for the student teaching experience. **Prerequisites:** Admission to Teacher Education Program; Department approval. **Corequisites:** EDUC4430, EDUC4440, EDUC4460, EDUC4540, EDUC4810.

EDUC4580. Methods for Special Education (2)

Strategies for working in inclusive settings; collaborating and consulting with general educators on accommodations, interventions, and effective classroom strategies. Also includes strategies for teaching content in a special education setting and oversight of paraprofessionals. Includes legal information on determining Least Restrictive Environment.

EDUC4740. Student Teaching in Special Education (11)

Directed observation, participation, and responsible teaching under the supervision of a certified special education teacher and NNU supervisor. Weekly seminars are a part of this experience. May be repeated for credit. **Prerequisites:** Admission to NNU Education program; Approval for student teaching. **Corequisite:** EDUC4950. **Fees:** Additional fee required.

EDUC4771. Philosophy of Christian Education (1)

Introductory examination of the nature and function of belief structures and how these belief structures impact the way one teaches in Christian schools. Consideration and development of one's worldview.

EDUC4810. Elementary School Start-Up (1)

A fall field experience to acquaint the intern with practices for beginning the school year in an elementary school. Interns attend opening faculty meetings in the school and observe and assist the teacher during the first week of school. Materials and instructions for this course must be secured from the Director of Student Teaching three months in advance of the opening of school. **Prerequisites:** Approval for intern year; Senior classification. **Corequisites:** EDUC4430, EDUC4440, EDUC4460, EDUC4540, EDUC4550.

EDUC4850. Secondary School Start-Up (1)

Attendance at the opening faculty meetings, assisting in the preparation for opening of school and observing and assisting the teacher in a regular public school classroom situation during the first week of school. This work is to be done in the fall before student teaching. Materials and instructions for this course must be secured from the Director of Student Teaching three months in advance of the opening of school. **Prerequisites:** Approval for student teaching; Senior classification.

EDUC4860. Student Teaching in the Middle School/Junior High School (11)

Directed observation, participation, and responsible teaching conducted under the supervision of a middle school/junior high school teacher and NNU supervisor. Weekly seminars are a part of this program. Students participating in fall student teaching should plan to report to their assigned school the first day that the teachers report. Students participating in spring student teaching will need to complete a "school startup" experience in the fall before their student teaching. If possible, this start-up experience should be with their cooperating teacher. **Prerequisites:** Approval for student teaching; Senior classification; EDUC3410, EDUC3510, EDUC3750; Special methods courses. **Corequisite:** EDUC4950. **Fees:** Additional fee required.

EDUC4870. Student Teaching in the Senior High School (11)

Directed observation, participation and responsible teaching conducted under the supervision of a senior high school teacher and NNU supervisor. Weekly seminars are a part of this program. Students participating in fall student teaching should plan to report to their assigned school the first day that the teachers report. Students participating in spring student teaching will need to complete a "school start-up" experience in the fall before their student teaching. If possible, this start-up experience should be with their cooperating teacher. **Prerequisites:** Approval for student teaching; Senior classification; EDUC3410, EDUC3510, EDUC3750; Special methods courses. **Corequisite:** EDUC4950. **Fees:** Additional fee required.

EDUC4950. Seminar/Capstone (1)

Weekly reflection and discussion about changes in thinking and professional practice resulting from growth in teaching competency as it intersects with growth in the four university outcomes. **Corequisites:** Student teaching, Senior classification.

ENGL-English**ENGL0900. Improvement of Language Usage (3)**

A course for students who are not prepared for college-level composition, emphasizing a systematic study of language usage, spelling and writing. (Does not satisfy the catalog specific course requirement for English Composition.)

ENGL1020. English Composition (3)

A course intended to develop in students college-level writing skills and stimulate them to think critically, express themselves clearly, and develop an appreciation for the medium of language through a variety of writing experiences. For the course to count for General Education requirements, a student must earn a grade of C- or better. **Prerequisites:** ACT English score of 18 or higher, or an SAT English score of 460, or a COMPASS English score of 70, or a passing grade in ENGL0900.

ENGL1030. University Writing and Research (3)

A course which enables students to sharpen analytical reading skills and, through the medium of research projects, to refine existing critical thinking and writing skills, preparing them for rigorous academic writing. It acquaints students with current information technology, library resources, and undergraduate research methods, covering the entire process of researching and writing persuasive essays. A student must earn a grade of C- or better. **Prerequisites:** Successful completion of ENGL0900, or ACT English score of 20 or higher, or Compass English score of 83 or higher, or passing of the NNU English Department Writing Evaluation, or advanced placement.

ENGL1061. Academic Language Acquisition I (3)

This course integrates academic listening strategies, note-taking and academic discussion in addition to other preparation to give ESL students the skills required to fully participate in the university classroom. A general academic vocabulary list taught through listening activities aids students' acquisition of frequently-used terms in an undergraduate course level context. **Prerequisites:** A TOEFL IBT score of 60/IELTS score of 5.0 or higher.

ENGL1062. Academic Language Acquisition II (3)

This course is a continuation of Academic Language Acquisition I. The course integrates academic listening strategies, note-taking and academic discussion in addition to other preparation to give ESL students the skills required to fully participate in the university classroom. The professor tailors the course to emphasize words and constructions frequently used in the students' major areas of study. **Prerequisites:** ENGL1061 or Instructor's permission.

ENGL1063. Course-specific Language Support (3)

This adjunct model course links to a traditional undergraduate content course. The goal of this course is to provide ESL students the language skills and study strategies that can be further applied to other undergraduate courses. Particular focus will be the following skills: identifying the main idea of a passage, skimming the reading content, taking appropriate lecture notes, and writing succinct summaries.

ENGL1071. Academic Language Use in Writing (3)

This course gives ESL students step-by-step instruction needed to increase their knowledge of academic writing exponentially. Students will learn how to do research for writing assignments, plan a writing process, and use comprehensive process strategies to improve their writing.

ENGL1072. Academic Reading and Grammar (3)

This fundamental course introduces ESL students to academic vocabulary and provides a variety of tasks integrated with reading and writing skills. Grammar presentation will be a key aspect of this course in order to develop students' understanding and application of grammatical structures.

ENGL2020. Research Writing and Critical Thinking (3)

A course which enables students to sharpen analytical reading skills and, through the medium of research projects, to continue to refine the critical thinking and writing skills developed in English Composition. It acquaints students with current information technology and library resources available at NNU, and covers the entire process of researching and writing position papers. **Prerequisites:** Completion of ENGL1020 with a grade of C- or better or advanced placement.

ENGL2120. English Grammar and Usage (2)

A systematic review of the principles and practice of traditional English grammar and usage conventions. An introduction to morphology and phonology is provided.

ENGL2122. English Grammar and Usage/Linguistics and History (3)

A systematic review of the principles and practice of traditional English grammar and usage conventions. An introduction to morphology and phonology is provided. This course will also introduce students to linguistic theory and the history of the English language, particularly as recorded throughout English literature. This course is taught partially with ENGL2120 and is offered yearly.

ENGL2210. American Literature: Colonial Period to the Civil War (3)

A survey of American writing from the colonial period through the Civil War emphasizing the development of American literary aesthetics, forms, and ideas.

ENGL2220. American Literature: Civil War to the Present (3)

A survey of American writing from the Civil War to the present time, emphasizing the development of American literary aesthetics, forms, and ideas.

ENGL2310. British Literature: Beowulf through the Age of Reason (3)

A survey of British literature from the Anglo-Saxon period through the Restoration.

ENGL2320. British Literature: The Romantic Age to the Present (3)

A survey of British literature from the Romantic and Victorian periods to the present time.

ENGL2410. Major Literature of the Western World (3)

An introductory study of major literary works drawn from the European, British, and American traditions. Special emphasis is placed on literary appreciation.

ENGL2420. World Literature: The Ancient World to the Renaissance (3)

A survey of selected literature from a variety of world cultures. **Offered:** Alternate years.

ENGL2430. World Literature: The Enlightenment to the Modern Era (3)

A survey of selected literature from a variety of world cultures. **Offered:** Alternate years.

ENGL2610. Introduction to Journalism (3)

This course will teach students basic reporting and news writing skills, focusing on Associated Press writing style. Additionally, students will be introduced to the best journalism practices dealing with news value and judgment.

ENGL2610W. Introduction to Journalism (3)

This course will teach students basic reporting and news writing skills, focusing on Associated Press writing style. Additionally, students will be introduced to the best journalism practices dealing with news value and judgment. **Prerequisites:** Completion of ENGL1030 with a grade of C- or better, or an ACT English score of 30 or higher **AND** a superior score on the NNU English Department Writing Evaluation.

ENGL2980. Introduction to the Study of Literature (1)

An introduction to the basic approaches of literary study. Although open to all students, it is designed to serve as a cohesive agent for the major program. It is required of all majors in the English department. Recommended for the sophomore year. **Prerequisites:** 3 credits in literature.

ENGL3010. Teaching English in the Secondary School (3)

This course introduces pre-service teachers to the fundamentals of theory and practice necessary to teach language arts to secondary students. Research based best practices of teaching grammar, writing, and literature will be emphasized. Students will write and teach lesson plans. Students are required to complete a 20-hour field experience. (See EDUC3010)

ENGL3015. Topics in Writing and Literature (3)

Building on the analytical, research, and writing skills gained in ENGL1030, this course provides students the opportunity to explore further the relationships between one particular field of study, academic discipline, or topic and to write critically, engagingly, and knowledgeably about related topics to an informed audience. A student must earn a grade of C- or better. May be repeated for credit with a different topic. **Prerequisites:** Completion of ENGL1030 with a grade of C- or better, or an ACT English score of 30 or higher **AND** a superior score on the NNU English Department Writing Evaluation.

ENGL3020. Principles of Writing (3)

An advanced expository writing course emphasizing the thinking and writing skills necessary to develop an effective prose style. A general course appropriate for advanced students in any area, it is especially recommended for potential graduate students. This course fulfills the general-education "W" requirement. **Prerequisites:** ENGL1030 with a grade of C- or better, or an ACT English score of 30 or higher **AND** a superior score on the English Department Writing Evaluation.

ENGL3040. Creative Writing - Prose (3)

Principles, techniques, and practice in writing both fiction and non-fiction. Small-group work and individual conferences are included. **Offered:** Alternate years.

ENGL3040W. Creative Writing - Prose (3)

Principles, techniques, and practice in writing both fiction and non-fiction. Small-group work and individual conferences are included. This course fulfills the general-education "W" requirement. **Prerequisites:** Completion of ENGL1030 with a grade of C- or better, or an ACT English score of 30 or higher **AND** a superior score on the NNU English Department Writing Evaluation.

ENGL3050. Creative Writing - Poetry (3)

Principles, techniques, and practice in writing poems. Emphasis on individual writing and small-group activities. **Offered:** Alternate years.

ENGL3094. Topics in English (1-3)

Specialized study of a topic, genre, or author. **Prerequisites:** 3 credits in literature. May be repeated for credit.

ENGL3120. Linguistics: Structure and History of English (3)

An investigation of both traditional and transformational descriptions of English with special attention to the contribution of structural linguistics to modern understanding of the operation of language. Course will also include a study of the history of the English language from the early backgrounds to Old English to modern American English. **Offered:** Alternate years.

ENGL3210. Major Authors in American Literature (3)

A study of selected works of a major American author or authors. Some examples of course topics are: variations on the American Dream, doctors in literature, literature of the sea, small-town America, and American travel literature. May be repeated for credit. **Offered:** Alternate years.

ENGL3210W. Major Authors in American Literature (3)

A study of selected works of a major American author or authors. Some examples of course topics are: variations on the American Dream, doctors in literature, literature of the sea, small-town America, and American travel literature. May be repeated for credit. This course fulfills the general-education "W" requirement. **Prerequisites:** Completion of ENGL1030 with a grade of C- or better, or an ACT English score of 30 or higher **AND** a superior score on the NNU English Department Writing Evaluation.

ENGL3250. The American Novel (3)

A study of the development of the American novel through reading and discussing important novels by American authors. **Offered:** Alternate years.

ENGL3250W. The American Novel (3)

A study of the development of the American novel through reading and discussing important novels by American authors. This course fulfills the general-education "W" requirement. **Prerequisites:** Completion of ENGL1030 with a grade of C- or better, or an ACT English score of 30 or higher **AND** a superior score on the NNU English Department Writing Evaluation.

ENGL3310. Major Authors in British Literature (3)

A study of selected works of a major British author or authors. Some examples of course topics are: faith and doubt in British literature, British fantasy from Swift to Tolkein, and poetry of the Brownings. May be repeated for credit. **Offered:** Alternate years.

ENGL3310W. Major Authors in British Literature (3)

A study of selected works of a major British author or authors. Some examples of course topics are: faith and doubt in British literature, British fantasy from Swift to Tolkein, and poetry of the Brownings. May be repeated for credit. This course fulfills the general-education "W" requirement. **Prerequisites:** Completion of ENGL1030 with a grade of C- or better, or an ACT English score of 30 or higher **AND** a superior score on the NNU English Department Writing Evaluation.

ENGL3320. Shakespeare (3)

A study of representative plays through reading, viewing, and discussing comedies, tragedies, and histories.

ENGL3320W. Shakespeare (3)

A study of representative plays through reading, viewing, and discussing comedies, tragedies, and histories. This course fulfills the general-education "W" requirement. **Prerequisites:** Completion of ENGL1030 with a grade of C- or better, or an ACT English score of 30 or higher **AND** a superior score on the NNU English Department Writing Evaluation.

ENGL3350. The British Novel (3)

A study of the development of the British novel through reading and discussing important novels by British authors. **Offered:** Alternate years.

ENGL3350W. The British Novel (3)

A study of the development of the British novel through reading and discussing important novels by British authors. This course fulfills the general-education "W" requirement. **Prerequisites:** Completion of ENGL1030 with a grade of C- or better, or an ACT English score of 30 or higher **AND** a superior score on the NNU English Department Writing Evaluation.

ENGL3410. Greek and Roman Classics (3)

A study of The Iliad, The Odyssey, Greek drama, The Aeneid, and other ancient Greek and Roman works. **Offered:** Alternate years.

ENGL3420. Foreign Literature in Translation (3)

Major works of a foreign country or other geographic area (not the United States or Great Britain) will be studied in English translation. Some examples of course topics are twentieth century European literature, literature of the Far and Near East, Latin-American literature, literature of the African diaspora, or literature of European existentialism. The course topics may also focus on the works of a major author in translation. May be repeated for credit. **Offered:** Alternate years.

ENGL3420W. Foreign Literature in Translation (3)

Major works of a foreign country or other geographic area (not the United States or Great Britain) will be studied in English translation. Some examples of course topics are twentieth century European literature, literature of the Far and Near East, Latin-American literature, literature of the African diaspora, or literature of European existentialism. The course topics may also focus on the works of a major author in translation. May be repeated for credit. This course fulfills the general-education "W" requirement. **Prerequisites:** Completion of ENGL1030 with a grade of C- or better, or an ACT English score of 30 or higher **AND** a superior score on the NNU English Department Writing Evaluation.

ENGL3510. Twentieth Century Poetry (3)

A study of representative British and American poetry of the twentieth century. **Offered:** Alternate years.

ENGL3520. Twentieth Century Drama (3)

A study of representative European, British, and American drama from Ibsen to Ionesco. **Offered:** Alternate years.

ENGL3610. Advanced Reporting (3)

In this course, students will learn advanced investigative reporting skills needed for in-depth and enterprise reporting. This course will also introduce civic/public journalism and beat journalism. Students will be required to cover a beat for the student newspaper. **Prerequisites:** ENGL2610.

ENGL3630. News Analysis and Opinion Writing (3)

In this course, students will study critical writing forms for publication. Journalism genres covered in this class may include: column writing, editorial writing, news analysis, arts review, and mixed opinion/news (advocacy) form. **Prerequisites:** ENGL2610 or instructor's permission. **Offered:** Alternate years.

ENGL3640. News Editing (3)

This course focuses on newsroom management/production skills, including best journalism practices, headline writing and basic newspaper graphic design. Students will also be taught methods for content editing and copyediting. Students will be required to demonstrate a mastery of the Associated Press Stylebook. **Offered:** Alternate years.

ENGL3660. Magazine Writing (3)

Students will be exposed to a variety of popular magazine writing styles. In addition, the course will teach students how to query and publish freelance articles in magazine and online publications, with a particular emphasis on publications found in the Writers' Market. **Offered:** Alternate years.

ENGL3740. Children's Literature (3)

A study of literature written for children, from pre-school age onward. The course samples a variety of types of literature and will prove valuable for general students, prospective teachers, or parents who wish to enrich their own background in children's literature and to develop qualitative judgment skills.

ENGL3740W. Children's Literature (3)

A study of literature written for children, from pre-school age onward. The course samples a variety of types of literature and will prove valuable for general students, prospective teachers, or parents who wish to enrich their own background in children's literature and to develop qualitative judgment skills. This course fulfills the general-education "W" requirement. **Prerequisites:** Completion of ENGL1030 with a grade of C- or better, or an ACT English score of 30 or higher **AND** a superior score on the NNU English Department Writing Evaluation.

ENGL3910. Literary Criticism (3)

The study and application of representative literary criticisms from Plato to the present. It is required of English and English-education majors and recommended for the junior year. **Prerequisites:** 9 credits in literature. **Offered:** Alternate years.

ENGL3950. Newspaper Practicum (3)

Students will serve on the staff of the Crusader student newspaper for one semester to acquire a practical, working knowledge of the basic skills needed to work in a news media outlet. Students may not be paid staff members on the Crusader and receive credit simultaneously.

ENGL3960. Internship in Professional Writing (3)

Students will work at least 100 hours in a professional writing situation, such as a newspaper, on a schedule convenient to the needs of the business or office and the students' own course work. The writing situation will be selected in consultation with the English Department Chair. Students will have opportunity to observe and participate in all facets of the business. A supervisor in the business situation will agree to serve as editor, instructor, and supervisor, and be approved by the English Department Chair. Credit and grade will depend upon the completion of the hours in a dependable, professional manner as verified from the supervisor to the professor.

ENGL4270. Minority Voices in American Literature (3)

A course studying the literature of American cultural minorities. Course content may be either multi-cultural or monocultural. May be repeated for credit.

ENGL4270W. Minority Voices in American Literature (3)

A course studying the literature of American cultural minorities. Course content may be either multi-cultural or monocultural. May be repeated for credit. This course fulfills the general-education "W" requirement. **Prerequisites:** Completion of ENGL1030 with a grade of C- or better, or an ACT English score of 30 or higher **AND** a superior score on the NNU English Department Writing Evaluation.

ENGL4340. Major Romantics and Victorians (3)

Readings in British Romantic and Victorian poetry and prose. The course focuses upon the rapidly changing art and ideas through these periods. **Offered:** Alternate years.

ENGL4340W. Major Romantics and Victorians (3)

Readings in British Romantic and Victorian poetry and prose. The course focuses upon the rapidly changing art and ideas through these periods. This course fulfills the general-education "W" requirement. **Prerequisites:** Completion of ENGL1030 with a grade of C- or better, or an ACT English score of 30 or higher **AND** a superior score on the NNU English Department Writing Evaluation.

ENGL4350. Major British Authors to the Restoration (3)

A course exploring poetry in English from the Middle Ages until 1700. Content may focus on one or two significant poets (Chaucer, Shakespeare, Milton), or on a literary period. **Offered:** Alternate years.

ENGL4350W. Major British Authors to the Restoration (3)

A course exploring poetry in English from the Middle Ages until 1700. Content may focus on one or two significant poets (Chaucer, Shakespeare, Milton), or on a literary period. This course fulfills the general-education "W" requirement. **Prerequisites:** Completion of ENGL1030 with a grade of C- or better, or an ACT English score of 30 or higher **AND** a superior score on the NNU English Department Writing Evaluation.

ENGL4960. Senior Internship (3)

Students will work in an instructor-approved journalism-related professional internship. Students must either create or edit journalistic works as part of the internship. Political and public relation internships that deal with media related professional activities may qualify as journalism-related with prior instructor approval. Students must log 100 hours of professional activity during the course of the internship.

ENGL4980. Senior Seminar (1)

A review of the English program and a commencement of a lifetime of independent reading and thinking. Required of all majors in the English department. **Prerequisites:** Senior classification.

ENGR-Engineering**ENGR1010. Introduction to Engineering (3)**

An introduction to the engineering profession, the engineering disciplines, and the engineering design process. Principles of professionalism, ethics, teamwork, and problem solving. Introduction to engineering software tools such as MATLAB, Mathematica, and Excel. Team-oriented, hands-on design project. **Fees:** Additional fee required.

ENGR1050. Engineering Graphics and Design (3)

An introduction to Engineering computer-aided design and rapid prototyping. Use of design tools, such as AutoCAD and SolidWorks, along with a 3D printer, and a CNC mill to fabricate rapid prototype parts. Drawings include pictorial, orthographic projection, auxiliary, and section views. **Fees:** Additional fee required.

ENGR2100. Engineering Statics (3)

Resultants of forces, moments and couples, centroids, area moments of inertia, beams, free body diagrams, two- and three-dimensional equilibrium systems, trusses, frames, and friction. **Prerequisites:** PHYS2110, MATH2510

ENGR2200. Digital and Computer Systems (3)

Analysis and design of basic combinatorial and sequential logic, Boolean algebra, Karnaugh maps, counters, adders, shift registers, multiplexers, and latches. ADC and DAC data conversion. Architecture of microcomputer systems, ALU's, CPU sequencers, fixed and floating point arithmetic implementations. Microcontrollers, assembly language, interrupts, serial communications, field programmable gate arrays (FPGA's) and application-specific integrated circuits (ASIC'S). **Prerequisites:** ENGR1010 or COMP1220 **Corequisites:** COMP2120 or COMP 2220 **Concurrent:** ENGR2200L

ENGR2200L. Digital and Computer Systems Laboratory (1)

Prototyping and testing of simple combinatorial and sequential digital circuits using gates, flip-flops, multiplexers, decoders. Introduction to FPGA's and Verilog/VHDL. **Concurrent:** ENGR2200 **Fees:** Additional fee required.

ENGR2210. Electrical Circuits (3)

Fundamental principles of electrical circuits, DC and AC circuit analysis, single and three-phase electric power systems, electric motors. Introduction to circuit components, Ohm's and Kirchhoff's laws, superposition, Thevenin and Norton theorems, operational amplifiers, RL and RC transients, circuit simulation with SPICE. Sinusoidal steady-state analysis, transformers, frequency response, Bode plots, resonance and filters. Fourier series, Fourier transforms, and Laplace transforms. **Prerequisites:** PHYS2120 **Corequisites:** MATH3540 **Concurrent:** ENGR2210L

ENGR2210L. Electrical Circuits Laboratory (1)

Prototyping and testing of simple DC, AC, and RLC transient circuits, operational amplifiers, transformers, power supplies, filters. **Concurrent:** ENGR2210 **Fees:** Additional fee required.

ENGR2310. Instrumentation and Measurements Laboratory I (1)

Principles of measurement. Basic instrumentation and measurement techniques in experiments. Includes using instrumentation software such as LabVIEW to design virtual instruments. Error analysis of measurements. Selected experiments will be performed using test equipment and sensors such as oscilloscopes, function generators, multimeters, thermocouples, strain gauges, and photodiodes. **Prerequisites:** PHYS2110, PHYS2110L **Fees:** Additional fee required.

ENGR2320. Instrumentation and Measurements Laboratory II (1)

A continuation of ENGR2310. Selected experiments will be performed using test equipment and sensors such as oscilloscopes, function generators, multimeters, thermocouples, strain gauges, and photodiodes. Advanced LabVIEW programming and interfacing with instruments and sensors for data acquisition and instrument/actuator control. Design of experiments and advanced data analysis. Hypothesis testing. **Prerequisites:** ENGR2310 or PHYS2310 **Fees:** Additional fee required

ENGR3094. Engineering Special Topics (1-4)

An approved concentrated study in a field of engineering not covered in other courses. **Prerequisites:** Instructor's permission. May be repeated for credit.

ENGR3095. Engineering Internship (1-4)

An approved practical engineering field experience, usually in industry, supervised by an engineer and formally reported by the student. **Prerequisite:** Instructor's permission. May be repeated for credit.

ENGR3110. Engineering Thermodynamics (3)

Introduction to classical thermodynamics through the second law; system and control volume analysis of thermodynamic processes; irreversibility and availability. Energy and the first law. Entropy and the second law. Conventional power and refrigeration cycles. Equations of state, ideal-gas mixtures, properties of gaseous mixtures, combustion and chemical equilibrium. **Prerequisites:** PHYS2120, CHEM2210, and MATH3540

ENGR3120. Engineering Dynamics (3)

Kinematics and kinetics of three-dimensional motion of particles, systems of particles, and rigid bodies; translating and rotating reference frames, space mechanics; work-energy, impulse-momentum, and impact problems; introduction to vibrations MATLAB applications and dynamic system modeling and design. Motion converters, mobility equations; Geometric synthesis of linkages; gear teeth; analysis and synthesis of gear trains and planetary gear differentials; computer aided design. **Prerequisites:** ENGR2100, PHYS2120, and MATH3540

ENGR3150. Engineering Materials (3)

Stress, strain, Hooke's law, deformation, torsion, bending, beams, column buckling, normal and shear stresses and deformations produced by tensile, compressive, torsional, and bending loads on members. Elasticity, strength, modes of failure, electrical, mechanical, thermal, and optical properties of engineering materials. Introduction to failure criteria and material selection. Structure, properties, and processing of metallic, polymeric, ceramic, composite, and semiconductor materials. **Prerequisites:** ENGR2100, PHYS2120, CHEM2210

ENGR3400. Control Systems (3)

Introduction to the operation of dynamic systems, elements of modeling, equilibrium and linearization, Laplace transformation techniques, system response via the transfer function, block diagrams and computer simulation, matrix operations, system response via state variables, and stability. Modeling and simulation of lumped parameter mechanical, electrical, thermal, fluid, and mixed systems, control algorithms, stability, transient response and frequency response. **Prerequisites:** ENGR2210, 2320, MATH3540, COMP2120 **Concurrent:** ENGR3400L

ENGR3400L. Control Systems Laboratory (1)

Experiments and simulations of mechanical, electrical, thermal, fluid, and mixed systems, control algorithms, stability, transient response and frequency response. Demonstration of control system design techniques using LabVIEW controlled hardware experiments. Introduction to PLC and automation programming. **Concurrent:** ENGR3400 **Fees:** Additional fee required.

ENGR3410. Engineering Economics and Ethics (3)

Concepts and techniques useful in the economic evaluation of engineering alternatives. Application of economic and financial principles to capital investment. Analysis by present worth, annual cash flow, rate of return, benefit-cost, and replacement considerations. Depreciation, taxes, inflation, probability and risk, and evaluation of optimum use of resources. In-depth coverage of ethics and professionalism.

ENGR4100. Fluid Mechanics (3)

Fluid properties; fluid statics, continuity, momentum, and energy principles, laminar and turbulent flow, boundary layers, dimensional analysis and similarity, closed conduit flow, open channel flow, and turbomachinery. One-dimensional open channel flow; compressible flow. **Prerequisites:** ENGR3120 and 3150

ENGR4110. Machine Design (3)

Study of the kinematics and kinetics of machines and machine components. Introduction to design specification and procedures for machine components, including linkages, gears, cams, bearings, clutches, shafts, and brakes. Finite element analysis shaft design of joints (threaded fasteners, welds, springs, keys, etc.); design of gear trains; lubrication and bearing design. Application of the principles of statics and mechanics of materials to the design of machine elements. Failure criteria in yielding, fatigue and buckling, statistical considerations. **Prerequisites:** ENGR1050, 3120, 3150

ENGR4120. Advanced Mechanical Laboratory (1)

Design and fabrication of mechanical systems. Selected experiments in heat transfer and fluid mechanics. **Corequisites:** ENGR4100, 4150 **Fees:** Additional fee required.

ENGR4130. Mechatronics (3)

Mechanical automation integrated with electronics and microcontroller technology; assembly language programming; A/D and D/A conversion; parallel I/O; programmable timer operation; interfacing sensors and actuators. **Prerequisites:** ENGR2200, 3120, 3400, COMP2120. **Concurrent:** ENGR4130L

ENGR4130L. Mechatronics Laboratory (1)

Practical laboratory experience in Mechatronics. A major design team project to implement a mechatronic robot system. **Concurrent:** ENGR4130 **Fees:** Additional fee required.

ENGR4140. Vibrations (3)

Free and forced vibration of discrete and continuous systems. Lagrange's equation, Fourier series, Laplace transforms; matrix and computational methods. Linear vibration of machine elements, lumped parameter single and multi-degree of freedom systems solutions; computer-aided solutions of linear and nonlinear systems; simple laboratory vibration measurement and comparative vibration analysis. Natural and forced motions, and dynamic loading; vibration of elastic bodies. **Prerequisites:** ENGR3120

ENGR4150. Heat Transfer (3)

Fundamentals of heat transfer by conduction, convection, and radiation. Applications to heat exchanges, tubes, surfaces, phase changes, and mass transfer. Numerical methods for solving heat transfer problems. Design of equipment involving heat-transfer processes. Steady-state and transient heat conduction; role of convection for internal and external forced flows and in buoyancy-driven flow; thermal radiation processes and properties. **Prerequisites:** ENGR3110

ENGR4200. Microprocessors (3)

Microprocessor architecture, software development tools, and hardware interfacing. Machine and assembly language programming, instruction set, addressing modes, programming techniques, memory systems, I/O interfacing, and interrupt handling with practical application in data acquisition, control, and interfacing. **Prerequisites:** ENGR2210, COMP2120 **Concurrent:** ENGR4200L

ENGR4200L. Microprocessors Laboratory (1)

Prototyping and testing of microprocessor-based systems using a macroassembler and a hardware development board. **Concurrent:** ENGR4200 **Fees:** Additional fee required

ENGR4210. Electronics (3)

A study of solid-state diodes, transistors, light emitting diodes, photo diodes and other semiconductor devices. Transistors in basic amplifier circuits. AC equivalent circuit models, frequency response, single and multi-state amplifiers. Differential, power and feedback amplifiers, oscillators and analog building blocks. Linear and non-linear analog circuits including filters, oscillators, phase-locked loops, and waveform generators. **Prerequisites:** ENGR2210 **Concurrent:** ENGR4210L

ENGR4210L. Electronics Laboratory (1)

Prototyping and testing of electronic components, circuits and analog systems containing diodes, BJT's, FET's, and Op Amps. **Concurrent:** ENGR4210 **Fees:** Additional fee required.

ENGR4220. Signals Processing (3)

Time-domain and frequency-domain analysis of signals and systems, applications of Fourier series, Fourier transform, and Laplace transform in circuits and systems, Analog filters. Signal sampling and reconstruction. Difference equations, Z-transforms, and the discrete Fourier transform. Fundamentals of digital filters. Introduction to the theory and practice of digital signal processing: discrete-time signals and systems, A/D and D/A conversion, filter design, DSP architecture and implementation. FIR filters, IIR filters, FFT, and implementations. DSP applications using MATLAB and Simulink **Prerequisites:** ENGR2200, 2210, 3400, COMP2120

ENGR4230. Embedded Systems (3)

Hardware and software design of embedded systems with peripheral interfaces, using development boards. Team system design project. **Prerequisites:** ENGR4200 **Concurrent:** ENGR4230L

ENGR4230L. Embedded Systems Laboratory (1)

Design, implementation and testing of embedded systems, peripheral interfaces. **Concurrent:** ENGR4230 **Fees:** Additional fee required.

ENGR4250. Electromagnetics (3)

A vector calculus based study of the laws of Gauss, Biot-Savart, Ampere and Faraday; application of the equations of Laplace and Poisson to boundary valued problems. Development of Maxwell's equations for electric and magnetic fields. Electromagnetic properties of materials. Wave equation, plane waves and Lorentz force law. Polarization, Poynting's vector, transmission lines, waveguides, and antenna radiation. **Prerequisites:** PHYS2120, MATH3530 and MATH3540

ENGR4400. Experimental Design (3)

This course will show how to take an idea for an experiment or measurement and turn it into an executable experiment. Examples of how this was done historically will be studied. In addition, the course will discuss a variety of techniques used for design of experiments (DOE) to make measurements such as, but not limited to, electrical, pressure, temperature, force, and nuclear measurements some of which will be used in the design of actual experiments which will be implemented in the companion laboratory course. In short, the course will show how one would design an apparatus so a desired experiment or set of measurements can be performed. As a final project, students will be required to design their own experiment, build the apparatus, and

conduct the experiment. **Prerequisites:** PHYS2120, ENGR2320 or PHYS2320, MATH4240. **Concurrent:** ENGL4400L.

ENGR4400L. Experimental Design Laboratory (1)

The laboratory course will use the concepts taught in the class to design and build an actual apparatus for doing an experiment or set of measurements. Data will be collected, analyzed, and the apparatus modified as directed by the analyses. **Concurrent:** ENGR4400.

ENGR4970. Senior Design Project (1)

Capstone project integrating previous coursework with a faculty member in an individual or group design project. **Prerequisites:** Instructor's permission. May be repeated for credit. Required of all engineering majors (Undergrad Catalog 2010-2011 or earlier only).

ENGR4971. Senior Design Project I/Capstone (2)

The first in a sequence of two senior capstone design project courses. Student teams will complete a system design project under the supervision of an industry or mission client. Teamwork, project planning and management, specification, budgeting, design review, prototyping, testing, weekly reporting, project reports, and oral presentations. The deliverables are: Project Proposal, Project/System Requirements Review, and Design Review. **Prerequisites:** Sr. Engineering Majors by Instructor's permission. **Fees:** Additional fee required.

ENGR4972. Senior Design Project II/Capstone (2)

The second in a sequence of two senior capstone design project courses. Student teams will complete a system design project under the supervision of an industry or mission client. Teamwork, project planning and management, specification, budgeting, design review, prototyping, testing, weekly reporting, project reports, and oral presentations. The deliverables are: Prototype Review, Final Implementation Review and Design Report for the client. **Prerequisites:** ENGR4971 **Fees:** Additional fee required.

FREN-French

FREN1010. Elementary French (4)

For students who have less than two years of high school French. These courses are designed to be taken in sequence. Objective: to help students acquire an active command of the four basic communication skills (speaking, oral comprehension, writing, reading) in French as well as an awareness of how French language and culture are intimately intertwined. **Offered:** Alternate years. **Fulfills a General Education Tier III Cross-Cultural Experience if taken with FREN1010CL Intercultural Lab Tier III.**

FREN1020. Elementary French (4)

A continuation of FREN1010. For students who have less than two years of high school French. These courses are designed to be taken in sequence. Objective: to help students acquire an active command of the four basic communication skills (speaking, oral comprehension, writing, reading) in French as well as an awareness of how French language and culture are intimately intertwined. **Prerequisites:** FREN1010 or equivalent. **Offered:** Alternate years. **Fulfills a General Education Tier II Cross-Cultural Experience if taken with FREN1020CL Intercultural Lab Tier II.**

FREN2010. Intermediate French (4)

For students who have had at least two years of high school French or one year of college French. This sequence is designed to reactivate and further develop communication skills in French and to enhance cultural awareness of French-speaking cultures and literature. **Prerequisites:** FREN1020 or equivalent. **Offered:** Alternate years. **Fulfills a General Education Tier II Cross-Cultural Experience if taken with FREN2010CL Intercultural Lab Tier II.**

FREN2020. Intermediate French (4)

A continuation of FREN2010. For students who have had at least two years of high school French or one year of college French. This sequence is designed to reactivate and further develop communication skills in French and to enhance cultural awareness of French-speaking cultures and literature. **Prerequisites:** FREN2010 or equivalent. **Offered:** Alternate years. **Fulfills a General Education Tier II Cross-Cultural Experience if taken with FREN2020CL Intercultural Lab Tier II.**

GEOG-Geography**GEOG1050. Introduction to Geography (3)**

An introduction to the basic concepts, principles and themes in the discipline of geography. The course also includes an investigation into the unique characteristics of the world's twelve major geographic realms. Special emphasis will be placed on the influence of geography on social, political, environmental, and economic aspects of human development.

GREK-Greek**GREK2110. Elementary New Testament Greek I (3)**

A study of the basic elements of New Testament Greek. Grammar, vocabulary, and syntax will be emphasized. The course will include selected readings in the Greek New Testament. **Prerequisites:** Sophomore status and prior foreign language experience are recommended or instructor's permission. **Offered:** Alternate years.

GREK2120. Elementary New Testament Greek II (3)

A study of the basic elements of New Testament Greek. Grammar, vocabulary, and syntax will be emphasized. The course will include selected readings in the Greek New Testament. Sophomore status and prior foreign language experience are recommended or instructor's permission. **Prerequisites:** GREK2110. **Offered:** Alternate years.

GREK3010. Intermediate New Testament Greek (2)

A vocabulary review, an introduction to advanced grammar and exegetical principles and methods, and a broad reading of selected New Testament passages. **Prerequisites:** GREK2120. **Offered:** Alternate years.

GREK4250. Greek Exegesis: Parables of Jesus (2)

An advanced study of selected parables of Jesus in the Greek text. The course will focus on advanced grammar, application of exegetical principles and methods, and utilization of the major scholarly resources for Greek exegesis, applied to these New Testament materials. **Prerequisites:** GREK3010.

GREK4310. Greek Exegesis: Luke and Acts (2)

An advanced study of portions of the Gospel of Luke and the Acts of the Apostles in the Greek text. The course will focus on advanced grammar, application of exegetical principles and methods, and utilization of the major scholarly resources for Greek exegesis, applied to these New Testament books. **Prerequisites:** GREK3010.

GREK4330. Greek Exegesis: Pauline Epistles (2)

An advanced study of selected Pauline epistles in the Greek text. The course will focus on advanced grammar, application of exegetical principles and methods, and utilization of the major scholarly resources for Greek exegesis, applied to these New Testament books. **Prerequisites:** GREK3010.

HEBR-Hebrew

HEBR2110. Biblical Hebrew I (3)

A study of the basic elements of Biblical Hebrew. Grammar, vocabulary and syntax will be emphasized. Course will include selected readings in prose Biblical Hebrew. **Prerequisites:** Sophomore status and prior foreign language experience are recommended or instructor's permission. **Offered:** Alternate years.

HEBR2120. Biblical Hebrew II (3)

A study of the basic elements of Biblical Hebrew. Grammar, vocabulary, and syntax will be emphasized. Course will include selected readings in prose Biblical Hebrew. Sophomore status and prior foreign language experience are recommended. **Prerequisites:** HEBR2110. **Offered:** Alternate years.

HIST-History

HIST1030. The World and the West I (3)

This course begins with the classical eras, both east and west (ca. 600 BC) and ends in about 1600. Its goal is two fold: to understand both the primary cultural heritages of the world and their growing interconnectedness, and to put the energy and distinctiveness of the Western tradition into perspective with other political worlds and religious world-views.

HIST1040. The World and the West II (3)

This course begins in 1600 and proceeds to the present, trying to understand and assess the parallel and increasing interactive developments in the West and other parts of the world. Colonial enterprises of many types interact with indigenous cultures and systems in what we now call "third world" areas. Nation-building, with competitive empires, affects Europe, Africa and Asia. Very different independence struggles punctuate 19th and 20th century history.

HIST2030. Conflict and Consensus: American History to 1877 (3)

An introduction to American history from the period of exploration and colonization to the conclusion of reconstruction. Major themes and events include the European settlement of North America, Native American responses to European development of colonial America, the war for American independence, nation-building in the Early Republic, the development of slavery, Western expansion, and the Civil War and reconstruction.

HIST2040. Conflict and Consensus: American History from 1877 (3)

An introduction to American history from the conclusion of reconstruction to recent times. Major themes include Western expansion, industrialization and urbanization, imperialism, two world wars, American life between the wars, radicalism and revolt, and the post-Cold War world.

HIST3040. "Not the Dark Ages" (3)

This course celebrates those who preserved and extended worship, literature and community in most unsettled times, from 500 to 1100 AD. Dynamic centers of energy belie the term "Dark Ages": great families of monks, the Anglo-Celtic passion for spirituality and education, Islamic cities and culture in Spain and rulers like Charlemagne, Alfred the Great and Otto the Great. The course culminates in the remarkable fertile and energetic 12th century. **Offered:** Alternate years

HIST 3050. Renaissance and Reformation (3)

This course begins with seminal figures and movements in the pivotal 13th century, then explores the dynamic economic and cultural flourishing which underlies the long and exciting phenomenon we know best as the Renaissance. Reforms in several versions arise from that energy, culminating in profound changes in the Roman church as well as new long lived configurations of faith and practice. Impacts upon and developments in political conceptions and practice complete the picture. **Offered:** Alternate years

HIST3094. Topics in History (2-3)

A thematic approach to historical interpretation, may be conducted in a seminar format. Topics will vary. May be repeated for credit by permission.

HIST3250. History of American Culture (3)

An examination of the social currents of American thought and culture, emphasizing ideas and concepts that have influenced the development and growth of American institutions and values from the colonial era to the present. General themes include gender values, race relations, and class conflicts. **Prerequisites:** ENGL1030 or instructor's permission. **Offered:** Alternate years

HIST3330. US Foreign Policy (3)

An in-depth examination of the factors influencing the U.S. as a participant in the international system, especially from the end of World War II to the present. Topics include U.S. foreign policy and ideology, domestic politics and interest groups, public opinion and the media, and historical events considered chronologically. (See POLS3330). **Offered:** Alternate years

HIST3390. Recent America (3)

An in-depth exploration of modern America from 1945 to the present emphasizing the political, economic, diplomatic, and social aspects of the period. The course will investigate the origins of the Cold War, McCarthyism, increasing presidential power, the U.S. and the Third World, the civil rights struggle, women's movement, student revolts, Vietnam, Watergate, and the New Right and post-Cold War America. **Prerequisites:** ENGL1030 or instructor's permission. **Offered:** Alternate years

HIST3440. History of Christianity in America (3)

A study of American Christianity from the colonial period to the present. The course will focus on the varieties of the religious experience in historical context. Included will be such themes as Puritanism, the Great Awakenings, Christian utopias, the Social Gospel, Fundamentalism, and liberation theology. Emphasis will be placed on the mutual influence of religion and American culture. **Offered:** Alternate years

HIST3480. Modern Europe (1800-Present) (3)

An in-depth exploration of Europe from the political and industrial revolutions of the 18th and 19th centuries through contemporary European society and culture, including 19th century "isms" (romanticism, liberalism, socialism, nationalism, imperialism) and world wars.

HIST3490. Modern Africa (3)

An exploratory survey of African history below the Sahara and from the 18th century to the present. In addition to dealing with the extraordinary historiographic challenges, serious attention will be given to the impact of slaving operations, the persistence of tribal life and loyalties, the effects of colonial government, the movements to independence and the challenge of current situations. **Offered:** Alternate years

HIST3500. The Dragon and the Rising Sun (3)

This course traces the both parallel and interlocked histories of China and Japan from 1800 to present. With common cultural factors but very different settings, the response of these two peoples to the challenge of the West to their states and autonomy, as well as issues faced by internal dissension and tension fills the period of the 19th century. In the 20th century, the extraordinary military and economic strength of Japan and the long struggle to find balance and cohesion fills the story. Finally, the current potential and problems of each people are assessed. **Offered:** Alternate years

HIST3580. Teaching Social Studies in the Secondary School (2)

Strategies appropriate to this subject field, instructional materials and tools, curricular structure common to this subject in the secondary school. Includes opportunities for students to observe and teach a minimum of 20 hours in a secondary classroom. (See

EDUC3580) **Prerequisites:** Admission to Teacher Education Program, Junior classification. **Corequisites:** EDUC3510, EDUC3750.

HIST3850. British and American Victorians (3)

An exploration of Victorian culture, especially in Great Britain and the United States. Particular attention will be paid to transatlantic networks of social reform, politics, and evangelical faith.

HIST4030. Roman Empire and Christian Community (3)

This course explores the parallel development of two parallel "worlds", the imperial system inaugurated by Caesar Augustus and the community launched by Jesus Christ. Roots of each "world," in the Roman Republic and the Jewish heritage, are presented first. The political framework of the Empire then serves as framework as the social history of the Roman people is explored along with economic and religious factors. **Offered:** Alternate years

HIST4540. American Constitutional History (3)

A survey of United States Constitutional history from its origins to the present. Emphasis is placed on the constitutional system as a whole, rather than on constitutional law as developed by the Supreme Court. The course examines the origins and general principles of constitutional thought, traces their elaboration in the founding and development through the crises over state rights and union in the nineteenth century, the Civil War amendments, controversy over liberty of contract, New Deal intervention and the crisis of the court, the developing doctrine of civil rights and civil liberties, and the growth of the administrative state. **Offered:** Alternate years

HIST4970. Senior Thesis and Capstone (4)

This course, required for all history majors, consists of two parts. The departmental component (Thesis) is an independent research paper of 25-30 pages, which includes demonstration of historical methods and the use of primary sources. It will be written under the supervision of the history faculty. The university component (Capstone) includes a careful evaluation of the fulfillment of the university outcomes in the growth and experience of the student while at NNU, in discussion and an extended paper of 8-10 pages. **Prerequisites:** Senior standing.

HNRS-Honors**HNRS1000. Honors College Symposium (1)**

This course meets each semester and is intended for Honors College students to contextualize their classroom knowledge with other events such as lectures, concerts, plays and art exhibits occurring on campus and in the community. This course allows Honors College faculty and students to discuss these events and issues related to them with the focus especially on building community within the Honors College. This course is discussion-oriented with some writing; six of these symposia are to be taken out of the eight semesters of enrollment. (Admission by selection only)

HNRS2550. Western Intellectual Traditions I (3)

The course will focus on the Western Intellectual Tradition (WIT) from the time of the Greeks to the 16th - 17th centuries. We begin with Plato and Aristotle, and continue with Augustine, Dante, Machiavelli, Cervantes, and Thomas Hobbes. We will examine critically some of the perennial questions of "the human condition," and students will be exposed to some of the foundational texts, ideas, issues, and events that comprise the WIT. Crisis and continuity in the ancient and modern eras will be scrutinized as we evaluate critically the origins and development of the WIT through a close reading of primary texts produced by some of the greatest minds of the WIT. Our purpose, however, is not to worship blindly these texts (which are timely and timeless); rather we see to subject them to critical analysis befitting the manner in which they were composed. (Admission by selection only)

HNRS2560. Western Intellectual Traditions II (3)

This course will focus primarily on the Western Intellectual Tradition from the sixteenth century. The seventeenth century revolutions in cosmology, science, and philosophy are characterized by a number of important themes, centered around the rise of new epistemologies, methodologies, and sources of authority. In this course, we will look at the following three principle areas of change: the demise of church authority in settling scientific and philosophical questions, the demise of Aristotelian physics, and the revolutionary potential of the new scientific and religious thought. We will examine these by looking at major thinkers and events of the period and the impact that each had on the dynamic intellectual evolution of the time. By the late nineteenth century, Modern Western thought was again in crisis, calling into question the foundations of Western political, scientific, and economic power. The course will conclude with a critical evaluation of the relationship of faith, philosophy and science in modernity. (Admission by selection only)

HNRS3550. Science and Science Fiction (3)

This course will explore a tiny handful of works by some of the most significant and challenging writers of science fiction--some we may have heard of, and some who are new to us. Through these explorations, we will experience a diversity of literary landscapes, ideas, cultures, and ethnicities, most of them speculative and fictional. Perhaps most interestingly, we will discuss and learn the scientific concepts behind these stories. (Admission by selection only)

HNRS3560. Being Human: Theological and Psychological Reflections (3)

This course will examine what it means to be human from both a Theological and Psychological perspective. This is obviously an interdisciplinarian approach to the topic, one that will reap rich benefit for the students. It will show that we are integrated persons and should be considered holistically, not as spiritual beings in opposition to our psychological and social characteristics. Additionally, this course will examine being human from the perspective of spiritual formation. (Admission by selection only)

HUMN-Humanities**HUMN1010. Cornerstone (3)**

This course is intended to help students develop a life-long passion for learning. They will explore the habits of mind of various academic disciplines and discover differing perspectives on the pursuit of knowledge as well as their commonalities and connectedness. Students will be introduced to the four University outcomes, develop skills necessary for a successful college experience, and begin collecting a portfolio to document their learning and track their personal, spiritual, and academic growth throughout their college career.

HUMN4010. Capstone (1)

This course is intended to help students reflect on their undergraduate experience and plan for the future. Students will reflect on what they have learned by reviewing portfolio materials they have collected, habits of mind they have acquired through study of the disciplines, and the development of their ideas about the four University outcomes. Using the education they have acquired, they will begin planning ways to provide effective service and leadership in their families, churches, community, and work. (See CLST4010, CRIM4010, PSYC4010, SOGY4010, SPAN4010)

INTD-Interdisciplinary

INTD3550. Science and Science Fiction (3)

This course will explore a tiny handful of works by some of the most significant and challenging writers of science fiction--some we may have heard of, and some who are new to us. Through these explorations, we will experience a diversity of literary landscapes, ideas, cultures, and ethnicities, most of them speculative and fictional. Perhaps most interestingly, we will discuss and learn the scientific concepts behind these stories.

KINE-Kinesiology

KINE1000. Fundamentals of Wellness (1)

Course is an approach to health and physical education that relates the value of physical activity to the human body. The content of the course will be presented by utilizing lecture and laboratory sessions. The course emphasizes the "holistic" wellness approach to the individual regarding the dimensions of wellness.

Corequisite: KINE1000L. **Fee:** Additional fee required.

KINE1000L. Fundamentals of Wellness Laboratory (0)

Course is designed to allow students to assess personal health benchmarks related to overall wellness including: body composition, cardiorespiratory fitness, muscular strength, endurance and flexibility, skill related fitness, and blood lipids analysis. Students will develop a personal wellness program based on personal health assessments. **Corequisite:** KINE1000

KINE1010. Adapted Physical Education (1)

This course offers students who have deficiencies an opportunity to correct and overcome them as well as a chance to learn skills and recreational activities which are adapted to their particular conditions. Emphasis is given to individual guidance and healthy attitude development through this course. This course fulfills one general education KINE activity requirement. **Prerequisite:** Permission of the department chair.

KINE1020. Heart Healthy Activities (1)

Wellness activities of adult fitness such as: aerobic fitness, cycling, life guarding, physical fitness, yoga, pilates, Taekwondo, skiing, swimming (intermediate), jogging/walking, and water fitness. Two activities will be offered per semester. This course fulfills one general education KINE activity requirement. May be repeated for elective credit but not for general education credit. **Fee:** Additional fee may be required.

KINE1030. Lifetime Sport Activities (1)

Introductory skill, rules and play of a selected activity such as: archery, backpacking, badminton, bowling, golf, racquetball, rock climbing, soccer, softball, swimming (beginning), tennis, weight training, and volleyball (beginning and intermediate). Two activities will be offered per semester. This course fulfills one general education KINE activity requirement. May be repeated for elective credit but not for general education credit. **Fee:** Additional fee may be required.

KINE1310. Introduction to Recreation and Kinesiology (3)

An introductory course for majors in the field of health, kinesiology, recreation, or athletic training. Emphasis is placed on history, objectives, philosophy and careers within the profession.

KINE1960. Clinical Observation (1)

A field-based observational experience which enhances first hand practical knowledge in either a physical therapy or athletic training setting. **Prerequisite:** Instructor's permission. (See BIOL1960). May be repeated for credit.

KINE2094. Topics in Kinesiology (1-4)

A course designed for those planning to enter the field of health, kinesiology, athletic training or recreation. Current issues will be addressed in health, physical education and recreation that have not been covered in other courses. May be repeated for credit.

KINE2410. Introduction to Athletic Training and Physical Therapy with Laboratory (3)

An introductory course for students interested in athletic training or physical therapy. Emphasis will be placed on basic anatomy and exposure to career opportunities. Laboratory will coincide with lecture about joint structure, evaluation, taping and support techniques. **Fee:** Additional fee required.

KINE2430. Health Issues in Today's Society (3)

Emphasis is on major health issues and problems of adolescent and college age students including: drugs, alcohol and tobacco, human sexuality, STD's, mental health, consumer health, infectious and noninfectious diseases, and environmental health. **Offered:** Alternate years.

KINE2500. Fitness Activities (1)

A practical application of military style fitness adapted for any students who wish to improve their overall physical fitness level. Emphasis is on cardiovascular and upper body development. May be counted as one KINE heart healthy activity. May be repeated for up to 12 credits. This course fulfills one general education KINE activity requirement.

KINE2640. Kinesiology Majors Activity Laboratory (1)

Sports activity laboratory for majors in the Department of Kinesiology; emphasis is on sports skills, development and teaching techniques. A variety of activities will be covered, including: soccer, football, aerobic fitness, racketsports, fitness testing/fitness prescription, movement-rhythms, softball, volleyball, track and field, basketball, weight training, tennis and challenge course. Majors will take 6 credits; fulfills one KINE majors general ed requirement. **Prerequisite:** Must be a Kinesiology Major.

KINE2730. Nutrition Across the Lifespan (2)

A basic course surveying the nutrients required by the human body and their assimilation, function, deficiency and food sources. Course will include a study of proper dietary intake throughout the life cycle, emphasizing the importance of nutrition to good health. Includes clinical application.

KINE2750. Outdoor Pursuits (2)

Fundamental skills and instructional techniques for outdoor educational activities. Also includes outdoor equipment use and safety emphasis. Fulfills one general education lifetime activity requirement. **Fee:** Additional fee required. May be repeated for credit.

KINE2760. Intercollegiate Athletic Participation (1)

Participation in intercollegiate athletics. May be taken by athletes, managers, athletic trainers, statisticians, and cheerleaders. May be repeated for a maximum of eight credits: one credit per sport per year and a maximum of two credits per year. **Prerequisites:** Permission of the Coach and Athletic Director. This course does not satisfy a general education requirement.

KINE2850. Camp Administration and Outdoor Education (3)

An introduction to the philosophy, methods and skills necessary for outdoor leaders, along with instruction techniques in outdoor equipment use and safety emphasis. Experiences are provided in various outdoor educational settings. **Offered:** Alternate years.

KINE2960. Field Experience in Kinesiology (1)

Designed to provide an introductory experience as a leader in various health, kinesiology, and recreational settings. Students will receive experience as a teaching assistant in a Fundamentals of Wellness Laboratory setting by administering and interpreting wellness/health assessments. **Prerequisites:** KINE1000, or instructor or kinesiology department chair's permission. May be repeated for credit in a different setting.

KINE3350. Teaching School Health (2)

Course is designed to provide knowledge in three divisions of health education: healthful living, school health services, and health education. Topics include recognition of health issues of children and adolescents, (K-12) with opportunity to develop competencies in handling methods and teaching techniques. Includes a 20 hour field experience. (See EDUC3350) **Prerequisite:** Junior classification. **Corequisite:** EDUC3510.

KINE3360. Teaching Physical Education in the Secondary Schools (2)

Course will cover strategies appropriate to this subject field, instructional materials and tools, and curricular structure common to this subject in the secondary school. Includes opportunities for students to observe and teach a minimum of 20 hours in a secondary classroom. **Prerequisite:** Junior classification. **Corequisite:** EDUC3510. (See EDUC3360).

KINE3370. Teaching Health in the Elementary Schools (1-2)

This course will serve as an introduction to health education and will acquaint the teacher with contemporary concepts for teaching health in the elementary school. Emphasis will be on learning and identifying health needs in the elementary school population. **Prerequisites:** EDUC2110, EDUC2960. (See EDUC3370).

KINE3380. Teaching Physical Education in the K-8 Schools (2)

This course introduces students to the basic principles of physical education for children in grades kindergarten through eight. Emphasis will be placed on the development of systematic physical education programming. Students will participate in simulated teaching experiences and/or field observations. (See EDUC3380)

KINE3440. Advanced Athletic Training (3)

A study of advanced theory in the technique of athletic training that are necessary for the professional athletic trainer. Topics include recognition and understanding of identification, and care and rehabilitation of specific injuries. Particular emphasis is placed upon the proper use of various therapeutic modalities.

Prerequisite: KINE2410. **Offered:** Alternate years.

KINE3560. Psychology and Techniques of Coaching (3)

A study of the psychological implications of dealing with the student athlete in areas of motivation and performance. Coaching techniques in various sports and mentor experiences will be covered.

KINE3600. Motor Development and Motor Learning (2)

A study of movement education in the areas of motor behavior, motor development and learning theories. Movement patterns throughout the various life spans, Psycho-motor and perceptual-motor development are covered in the course.

KINE3630. Corrective and Adaptive Physical Education (2)

A course designed to help the students to develop understanding of the special needs child, including opportunity for learning to recognize defects, limitations, capacities and problems. Students are taught to develop individual educational programs for special needs children. Fulfills a General Education Tier III Cross-Cultural Experience.

KINE3640. Physiology of Exercise and Biomechanics (3)

An analysis of the effects of exercise and training on various body systems. Includes study of the principles of human motion and the action of muscles involved in movement and athletics.

KINE3960. Field Experience in Kinesiology/Recreation (1)

Designed to provide an advanced experience as a leader in various health, kinesiology or recreational settings. May be repeated for credit in a different setting.

KINE4094. Special Topics in Kinesiology (1-4)

Topics relating to Health, Physical Education, Athletic Training, or Recreation not ordinarily covered in other courses. **Fee:** Additional fee required. May be repeated for credit.

KINE4520. Tests and Measurements in Physical Education (3)

Course introduces the use of tests, measurement and evaluation in physical education classes. Topics include teacher and program evaluations, selection, administration, construction and evaluation of skill and written examinations. **Prerequisite:** ACT of 21 in math. Fulfills the general education math competency requirement. **Offered:** Alternate years.

KINE4560. Administration of HPERD (3)

This course is designed to serve as an introduction to the techniques of administration and supervision in kinesiology and athletics. Emphasis is given to leadership theory, principles of sport training, current issues, and preparation for entry level employment.

KINE4860. Recreation Management and Facilities Planning (3)

Development of skills and techniques necessary for successful leadership in municipal and school recreational programs, includes the study of trends, problems and interrelationships of community agencies. **Offered:** Alternate years.

KINE4950. Internship in Athletic Training (1)

Practical application of the theory of training technique in a variety of settings. Training skills and principles may be applied to achieve the established goal of prevention and care of athletic injuries. **Prerequisite:** Permission of the Department Chair. May be repeated for up to 3 credits.

KINE4960A. Recreation and Sport Internship (3)

Practical experience in planning, leading, supervising and evaluating recreation programs while working in a specific situation under qualified personnel. **Prerequisite:** Permission of the Department Chair. May be repeated for up to 6 credits.

KINE4960B. Recreation and Sport Internship (3)

Practical experience in planning, leading, supervising and evaluating recreation programs while working in a specific situation under qualified personnel. **Prerequisite:** Permission of the Department Chair. May be repeated for up to 6 credits.

KINE4970. Kinesiology Senior Capstone (1)

Capstone course that helps kinesiology majors prepare for graduation and transition into the profession on a variety of levels (employment, graduate school, etc). This course is the culminating academic experience that is intended to bring together major's knowledge and experiential base. The course is intended to help majors be reflective and thoughtful relating to their academic, social, spiritual and professional development at Northwest Nazarene University.

MATH-Mathematics

MATH0900. Essential Mathematics (3)

Course topics include whole numbers, fractions and mixed numbers, decimals, ratio, proportion, percent, measurement, geometry, introduction of algebra, solving equations, and statistics. This is a credit/no credit course. Receiving credit for this course prepares the student to take MATH1100 or MATH2240. Credit for courses numbered below 1000 is not transferable.

MATH0950. Intermediate Algebra (3)

Course topics include linear equations and inequalities, graphing lines, systems of equations, exponents, polynomials, factoring, radicals, complex numbers, and the quadratic formula. **Prerequisites:** Pass MATH0900, or COMPASS Examination score equivalent to an ACT of 21 on the Algebra section, an ACT score of at least 21; or Instructor's permission. Students must verify they have met the prerequisites on the first day of class. This is a credit/no credit course. Receiving credit for this course prepares the student to take MATH1300. Credit for courses numbered below 1000 is not transferable.

MATH1100. Liberal Arts Mathematics (3)

Students will explore mathematical ideas and logical reasoning. This class will look at mathematical applications in life which may include topics such as statistics, fair voting schemes, prime numbers, and modular arithmetic. Students will also develop their own insights and theorems through the exploration of mathematical patterns. The content of the class may vary each semester. The course is designed for non-science majors and satisfies the general education mathematics competency requirement. **Prerequisites:** ACT score of 21 or equivalency on the COMPASS Exam.

MATH1300. College Algebra (3)

Topics include polynomial arithmetic, synthetic division, zeroes of polynomials, systems of linear equations, matrices and matrix multiplication. **Prerequisites:** ACT score of 23 or instructor's permission. Students need to verify they have the prerequisites the first day of class. This course prepares students to take MATH1400 and MATH2510.

MATH1400. Trigonometry (3)

Topics include the study of the trigonometric functions, plane trigonometry, and analytic trigonometry. **Prerequisites:** MATH1300 (a grade of C or better), an ACT score of 26, or instructor's permission. Students need to verify they have the prerequisites the first day of class. This course prepares students to take MATH2510.

MATH1510. Survey of Calculus (3)

The concepts of calculus are emphasized. All concepts are considered from the intuitive point of view. Applications are drawn primarily from business, economics, and population models. Trigonometric functions are not considered. **Prerequisites:** MATH1300 (a grade of C or better), an ACT score of 26, or instructor's permission. Students need to verify they have the prerequisites the first day of class.

MATH2010. Fundamental Mathematical Structures I (3)

Includes problem solving and mathematical reasoning, sets, relations and functions, numeration, the system of whole numbers, integers and rational numbers, and number theory. Laboratory activities are included. **Prerequisites:** Math ACT score of 21 or equivalent on Compass Exam, and enrollment in a program leading to an elementary or secondary teaching certificate.

MATH2020. Fundamental Mathematical Structures II (3)

Includes probability and statistics, basic geometric concepts and measurement, constructions, congruence, similarity and transformations. Laboratory activities are included. **Prerequisites:** MATH2010 or instructor's permission.

MATH2240. Elementary Statistics (3)

Introduction to statistical terminology and basic concepts, including common uses and misuses of statistics. Topics include experimental design, sampling, descriptive statistics, correlation and regression, probability, and tests of significance. This is a valuable course for students in all majors. This course satisfies the general education mathematics competency requirement. **Prerequisites:** ACT score of 21, COMPASS score equivalent to an ACT of 21, receiving credit for MATH0900, or instructor's permission. Students need to verify they have the prerequisites the first day of class.

MATH2310. Discrete Mathematics (3)

An introduction to graph theory, logical operators, mathematical induction, enumeration and Boolean algebra. **Prerequisite:** MATH1300 (a grade of C or better). Students need to verify they have the prerequisites the first day of class.

MATH2510. Calculus I (4)

Limits, derivatives, integration and applications of the derivative, applications of integrals, integration techniques, logarithmic, exponential, trig and inverse trig functions. **Prerequisites:** MATH1400 (a grade of C or better), an ACT score of 28, or instructor's permission. Students need to verify they have the prerequisites the first day of class.

MATH2520. Calculus II (4)

Infinite series, vectors, partial differentiation, multiple integrals. **Prerequisite:** MATH2510 (a grade of C or better). Students need to verify they have the prerequisite the first day of class.

MATH3010. Teaching Mathematics in the Secondary School (2)

Course topics include strategies appropriate to this subject field, instructional materials and tools, curricular structure common to this subject in the secondary school. Includes opportunities for students to observe and teach a minimum of 20 hours in a secondary classroom. (See EDUC3570) **Prerequisite:** Junior classification. **Corequisites:** EDUC3510, EDUC3750

MATH3094. Topics in Mathematics (1-4)

Intensive study of one topic. **Prerequisite:** Instructor's permission. May be repeated for credit.

MATH3240. Probability and Statistics I (3)

Study of combinatorial analysis, probability, random variables and their distributions, estimation, statistical inference, regression and correlation, and analysis of variance. **Prerequisite:** MATH2520 (a grade of C or better). Students need to verify they have the prerequisite the first day of class. **Offered:** Alternate years

MATH3250. Probability and Statistics II (3)

A continuation of MATH3240 Probability and Statistics I. **Prerequisite:** MATH3240. Students need to verify they have the prerequisite the first day of class. **Offered:** Alternate years

MATH3280. Modeling and Operations Research (3)

A survey of fundamental operations research techniques. Emphasis is given to the linear programming model. Other topics will be chosen from network models, decision analysis, queuing theory and dynamic programming. **Prerequisites:** MATH1300 or MATH3320. **Offered:** Alternate years

MATH3310. Introduction to Abstract Mathematics (3)

Course topics include logic, mathematical induction, sets, equivalence relations and equivalence classes, and order relations. Emphasis is given to constructing sound mathematical arguments. **Prerequisites:** MATH2310 or 2510; or instructor's permission.

MATH3320. Linear Algebra (3)

A study of vector spaces, linear transformations, matrices, determinants and system of equations. Special attention is given to the connection between linear transformations and matrices. **Prerequisites:** MATH1300 or 2510. **Offered:** Alternate years

MATH3410. Modern Geometry (3)

A review of Euclidean Geometry is followed by a wider view of geometry. Topics may include hyperbolic geometry, finite geometries and metric geometries other than Euclidean. **Prerequisites:** MATH1400 or 2510; or instructor's permission. **Offered:** Alternate years

MATH3530. Vector Calculus (3)

A study of Euclidean space and the calculus of functions on this space, in particular vector fields with the operators curl and divergence. The integral calculus involving line and surface integrals will also be studied. Course will include study of Green's Theorem, Stokes Theorem, and Gauss' Theorem. **Prerequisite:** MATH2520 (a grade of C or better). Students need to verify they have the prerequisite the first day of class.

MATH3540. Differential Equations (3)

A first course in ordinary differential equations. Linear algebra will be introduced for systems of linear differential equations. **Prerequisite:** MATH2520 (a grade of C or better). Students need to verify they have the prerequisite the first day of class.

MATH3560. Numerical Analysis (3)

Topics include numerical solution of algebraic and transcendental equations and systems of linear equations; interpolation, finite differences; numerical differentiation and integration and solution of differential equations. Emphasis on methods most adaptable for computer use. **Prerequisites:** MATH2520. Recommended MATH3540 and a programming language.

MATH4100. History of Mathematics/Capstone (1)

A study of the emergence of numeration methods, the invention of new mathematical systems, the development of geometry, algebra, calculus and related concepts, and the life stories of some of the persons involved. **Prerequisite:** MATH2510. May be repeated for credit.

MATH4240. Advanced Engineering Mathematics (3)

A class in advanced mathematics with engineering applications. Topics may include probability, statistics, linear algebra, and partial differential equations. **Prerequisite:** MATH3540

MATH4320. Modern Algebra (4)

The similarities between the algebraic structures arising in the study of number systems, modular arithmetic and polynomial operations will be used to introduce the study of groups, rings, fields, and their mapping. These structures will be applied to number theoretic and geometric problems. **Prerequisites:** MATH3310 or 3320; or instructor's permission. **Offered:** Alternate years

MATH 4330. Modern Algebra (2)

A continuation of MATH4320 Modern Algebra

(4). **Prerequisite:** MATH4320. **Offered:** Alternate years

MATH4510. Introduction to Real Analysis (4)

Course one of a two-course sequence in the theory of calculus. Topics include limits, continuity, derivatives, integrals, sequence, series, series of function. An introduction to metric topology is given. **Prerequisites:** MATH2520, 3310. **Offered:** Alternate years

MATH4520. Introduction to Real Analysis (2)

A continuation of MATH4510. **Prerequisite:** MATH4510 **Offered:** Alternate years

MDLG-Modern Languages**MDLG1094. Topics in Modern Language (1-3)**

Offered on rotation, introductory modern language topics courses are taught in multiple languages. Chinese, Japanese, Arabic, American Sign, and other languages of particular relevance to the core curriculum may be offered as topics courses. Students will acquire basic vocabulary, sounds, and structures through an emphasis on conversation. Modern language courses also provide an introduction to cultures and cultural studies. May be repeated for credit.

MDLG2094. Topics in Modern Language (1-3)

Offered on rotation, introductory modern language topics courses are taught in multiple languages. Chinese, Japanese, Arabic, American Sign, and other languages of particular relevance to the core curriculum may be offered as topics courses. Students will acquire basic vocabulary, sounds, and structures through an emphasis on conversation. Modern language courses also provide an introduction to cultures and cultural studies. May be repeated for credit.

MILS-Military Science**MILS1010. Introduction to Military Science and Leadership (1)**

An introduction to ROTC, military customs and traditions, benefits of Army Service and basic military skills. Laboratory consists of participation in leadership exercises, introduction to land navigation, adventure training, rifle marksmanship, and basic First Aid.

MILS1020. Foundations in Leadership (1)

A continuation of Introduction to Military Science and Leadership

MILS1010 **Prerequisites:** MILS1010

MILS2010. Innovative Team Leadership (2)

An overview of Military Leadership which prepares students for ROTC advanced courses. Classroom and laboratory instruction includes: leadership, land navigation, adventure training, oral and written communications, responsibilities of Army officers, and other general military subjects. Course is designed to aid future leaders in acquiring effective skills for influencing others, with particular reference to positions of military leadership.

MILS2020. Military Leadership (2)

A continuation of learning leadership skills with continuing emphasis on professional development through land navigation, rappelling, first aid, marksmanship, and other military skills. Laboratory consists of progressive participation in leadership exercises, adventure training, and tactical operations.

MILS2500. Military Style Fitness (1)

A practical application of military style fitness adapted for any students who wish to improve their overall physical fitness level. Emphasis is on cardiovascular and upper body development. May be repeated for up to 12 credits. May be counted as one KINE activity.

MILS2900. Military Science Practicum (6)

A field based introduction to military subjects such as land navigation, map reading, marksmanship, and leadership. Practicum is a four-week Leadership Training course at Fort Knox, Kentucky. This course fulfills MILS1010, 1020, 2010, 2020, and ROTC program requirements. Students may also earn a two-year scholarship while at this course. The NNU Army ROTC advisor determines enrollment eligibility.

MILS3010. Adaptive Team Leadership (3)

A study of basic Army tactics and leadership skills required to increase poise and confidence for military trainers and leaders. Students learn the techniques of effective counseling, training, and leadership in a military environment. Laboratory consists of progressive participation in advanced leadership exercise and practical application of basic tactics and leadership skills. **Prerequisites:** MILS1010, 1020, 2010, 2020, or 2900

MILS3020. Leadership in Changing Environments (3)

A continuation of MILS3010. Refines the fundamentals of small unit combat operations and basic leadership skills. Prepares students for success in MILS3900, the Leader Development and Assessment Course (LDAC) at Fort Lewis, Washington. Laboratory consists of practical application of the basic soldier and leader skills studied in class including conceptualizing, decision making, communication, planning, executing, and assessing in a tactical environment. **Prerequisites:** MILS3010

MILS3900. Leadership Practicum in a Culturally Diverse Environment (6)

A field based course which provides students with the opportunity to apply the leadership and soldier skills they have learned on campus. Students will work with and provide leadership to culturally diverse groups of people. The course is completed at the thirty day Army ROTC Leader Development and Assessment Course (LDAC) at Joint Base Lewis McChord located near Tacoma Washington. Note: This course is required for all contracted students and is usually completed during the summer between the junior and senior years. **Prerequisites:** MILS3010 and 3020. **Fulfills a General Education Tier II Cross-Cultural Experience if taken with CLST1002L Intercultural Lab.**

MILS4010. Developing Adaptive Leaders (3)

An investigation of ethics and human relations, counseling techniques, military service in today's society, obligations and responsibilities of an officer on active duty, and coordination and operation of the military team. Students evaluate leadership potential of lower classmen and are responsible for planning and executing laboratory training. Prepares the prospective Army officer for initial Army Assignment. **Prerequisites:** MILS3010 and 3020

MILS4020. Leadership in a Complex World (3)

A continuation of MILS4010 Developing Adaptive Leaders. **Prerequisite:** MILS4010

MILS4960. Military Science Internship (1)

A supervised, practical work experience which provides the senior Military Science students the opportunity to apply the skills they have learned through independent study and assisting in the instruction of military science labs or participation in the SMP (simultaneous membership program) in a National Guard or US Army Reserve Troop Program Unit. **Prerequisites:** MILS3900; or instructor's permission.

MUSC-Music**MUSC0200. Master Class (0)**

Weekly one-hour recital and workshop required of music majors.

MUSC0250. Concert/Recital Attendance (0)

Music majors are required to attend a minimum of 10 concerts and recitals each semester, providing exposure to a wide variety of performances and repertoire.

MUSC0900. Fundamentals of Music (2)

Topics include music reading and conceptualizing, treble and bass clef notation, simple and compound time signatures, rhythmic notation, melodic notation, sol-fège singing, and Finale note entry software use. This class is required for those scoring below 70% on the Basics of Music pre-test. Offered Quad 1 fall semester. **Corequisite:** MUSC1210. Credit for courses numbered below 1000 is not transferable.

MUSC1010. A Survey of Art and Music (3)

An introduction to the stylistic characteristics and cultural climate of the important artistic epochs in history. Includes both the western and the non-western traditions. (See ARDE1010).

MUSC1200. Beginning Music Theory I (2)

An introduction to the fundamentals of harmony and the use of analysis as the central activity in the study of music theory. **Prerequisite:** MUSC0900 or instructor's permission. **Corequisite:** MUSC1210

MUSC1210. Beginning Music Theory Laboratory I (1)

An introduction to and application of aural skills, including sight-singing, rhythmic dictation, melodic and harmonic dictation. **Corequisite:** MUSC1200

MUSC1220. Beginning Music Theory II (3)

A further study and application of the fundamentals of harmony and the use of analysis as the central activity in the study of music theory. **Prerequisites:** MUSC1200, 1210 **Corequisite:** MUSC1230

MUSC1230. Beginning Music Theory Laboratory II (1)

A further study and application of aural skills, including sight-singing, rhythmic dictation, melodic and harmonic dictation. **Prerequisites:** MUSC1200, 1210 **Corequisite:** MUSC1220

MUSC1310. Digital Music and Technology (3)

An introduction to computer and sound technologies used in church, studio, classroom, and performing venues. Technologies will include applications in office-suite (word processing, data base, presentation, spread sheet), musical notation, musical composition, accompaniment, and digital recording as well as hands-on work in mixing and sound reinforcement.

MUSC2094. Special Topics (1-3)

A concentrated study of one topic in music. May be repeated for credit. **Prerequisite:** Instructor's permission.

MUSC2096. Field Experience in Church Music (1)

Course is an overview of the ministry and work of a church worship pastor. During a 30-hour field experience the student, the music department supervising faculty member, and the cooperating local church music leader will coordinate for weekly meetings and assignments. Course is designed for observation and hands-on experience in music ministry in the church.

MUSC2110. Introduction to Music Ministry and Leadership (2)

An introductory course dealing with the call to ministry through music. Topics include fundamental philosophies of music in the church, current issues and practical considerations of a career in the church today. **Offered:** Alternate years; normally offered fall odd numbered years.

MUSC2200. Intermediate Music Theory I (3)

Study of harmony and analysis including modulation, romantic harmony, enharmonic functions, elementary forms and 20th century techniques. **Prerequisites:** MUSC1220, 1230 **Corequisite:** MUSC2210

MUSC2210. Intermediate Music Theory Laboratory I (1)

Study and application of aural skills, including sight-singing, rhythmic dictation, four-part dictation and advanced harmonic dictation. **Prerequisites:** MUSC1220, 1230 **Corequisite:** MUSC2200

MUSC2220. Intermediate Music Theory II (3)

Further study of harmony and analysis including modulation, romantic harmony, enharmonic functions, elementary forms and 20th century techniques. **Prerequisites:** MUSC2200, 2210 **Corequisite:** MUSC2230

MUSC2230. Intermediate Music Theory Lab II (1)

Further study and application of aural skills, including sight-singing, rhythmic dictation, four-part dictation and advanced harmonic dictation. **Prerequisites:** MUSC2200, 2210 **Corequisite:** MUSC2220

MUSC2240. Improvisation (3)

Group study and exercise of improvisation. Students will explore jazz, blues, classical, and popular styles. May be repeated for credit. **Prerequisite:** Instructor's permission. **Offered:** Alternate years, normally offered fall even numbered years.

MUSC2250. Private Instruction in Instrument or Voice (1-2)

Private instruction in piano, voice, organ, strings, percussion, woodwind or brass instruments. May be repeated for credit. **Prerequisite:** Instructor's permission. **Fee:** Additional fee required.

MUSC2251. Private Instruction in Instrument or Voice for the Music Major (1-2)

Private instruction in piano, voice, organ, strings, percussion, woodwind or brass instruments. Weekly 30 or 60 minute lesson, weekly Master Class and jury examination required. May be repeated for credit. **Prerequisite:** Instructor's permission. **Fee:** Additional fee required.

MUSC2350B. Brass Methods (1)

Private or group instruction on one high and one low brass instrument, emphasizing the requisite skills to direct school instrumental programs. **Fees:** Additional fee required **Offered:** Alternate years, normally offered spring odd number years.

MUSC2350P. Percussion Methods (1)

Private or group percussion instruction emphasizing the requisite skills to direct school instrumental programs. **Fees:** Additional fee required **Offered:** Alternate years, normally offered spring even number years.

MUSC2350S. Strings Methods (1)

Private or group instruction on two string instruments emphasizing the requisite skills to direct school string programs. **Fees:** Additional fee required **Offered:** Alternate years, normally offered fall even number years.

MUSC2350W. Woodwinds Methods (1)

Private or group instruction on two woodwind instruments emphasizing the requisite skills to direct school instrumental programs. **Fee:** Additional fee required. **Offered:** Alternate years, normally offered fall odd numbered years.

MUSC2370. Bella Voce (0,1)

Women's choir whose membership is open to non-majors as well as majors. Personnel chosen by audition. May be repeated for credit. **Prerequisite:** Instructor's permission. **Fee:** Additional fee required.

MUSC2371. University Men's Choir (0,1)

Audition for placement in appropriate section. Choir sings in music department concerts, chapels, and selected churches and community events. May be repeated for credit. **Fee:** Additional fee required.

MUSC2420. Musical Theatre Production/Opera Workshop (0,1)

Hands-on involvement in the performing of an opera, opera scenes, or a Broadway musical, including acting, singing, choreography, stage lighting and set construction. May be repeated for credit. **Prerequisites:** Audition or instructor's permission. (See ARDE2420/4420).

MUSC2430. Jazz Revival (0,1)

A jazz ensemble with vocalists and instrumentalists chosen by audition, with a broad repertoire of jazz and popular music. Membership open to non-majors as well as majors. **Prerequisite:** Instructor's permission. **Fee:** Additional fee required.

MUSC2440. Orchestra (0,1)

Membership open to non-majors as well as majors. May be repeated for credit. **Prerequisites:** Audition or instructor's permission.

MUSC2450. Chamber Ensemble (0,1)

A course designed for students ready to participate in a small chamber group. Membership open to non-majors as well as majors. May be repeated for credit. **Prerequisites:** Audition or instructor's permission.

MUSC2451. Jazz Ensemble (0,1)

A course designed for students ready to participate in a jazz ensemble setting. Membership open to non-majors as well as majors. May be repeated for credit. **Prerequisites:** Audition or instructor's permission. **Fee:** Additional fee required.

MUSC2460. Concert Band (0,1)

Most woodwind, brass, and percussion instruments are represented in the Concert Band. Membership is open to majors and proficient non-majors. May be repeated for credit. Initial auditions each year are primarily for chair placement. **Prerequisite:** Instructor's permission. **Fee:** Additional fee required.

MUSC2490. Crusader Choir and Orchestra (0,1)

An ensemble of select personnel chosen by audition. Ensemble's aims are to perform a variety of choral/orchestral literature from classical to contemporary. Membership open to majors and non-majors. May be repeated for credit. **Fee:** Additional fee required.

MUSC2950. Field Experience in Music Management 1 (1)

Hands on experience managing a large ensemble through a tour, managing several small ensembles in small venue performances, or managing a large event like a festival or artist-in-residence visit. Management considerations include logistics, budgets, travel, housing and equipment needs for a variety of music groups.

MUSC2951. Field Experience in Music Management II (1)

Hands-on experience coordinating marketing and logistics between campus departments for multiple performance venues. Management considerations include calendar, scheduling, communications and equipment needs for a wide variety of music performances.

MUSC 3150. Music Technology Lab (1)

Hands-on experience creating and maintaining a variety of computer and electronic music equipment systems. Taught in conjunction with existing courses in music technology.

MUSC3200. Practicum in Worship Planning and Leadership (3)

A practical approach to the preparation for and leadership of music in varied worship settings. Includes traditional, evangelical, contemporary, and liturgical settings. Students will learn to create worship services using appropriate selections for varied situations, work with various types of accompaniment, and lead congregational music.

MUSC3210. Orchestration (3)

A study of the orchestral instrument families and exercises in writing scores for instrumental ensembles. Emphasis is placed upon full orchestra with secondary attention given to small ensembles and the special needs of school performing groups. **Prerequisites:** MUSC2220, 2230, or instructor's permission. **Offered:** Alternate years, normally offered fall even numbered years.

MUSC3220. Counterpoint (3)

A study of 18th century counterpoint with emphasis on its influence on polyphonic writing of the 20th century. **Prerequisites:** MUSC2220, 2230. **Offered:** Alternate years, normally offered spring odd numbered years.

MUSC3230. Composition (3)

The writing of original compositions, beginning with the song form and proceeding through the sonata form with emphasis given to stylistic elements. **Prerequisites:** MUSC2220, 2230, or instructor's permission. **Offered:** Alternate years, normally offered spring even numbered years.

MUSC3260. Music History: Medieval, Renaissance and Baroque (3)

An introduction to music literature from ancient times to 1750.

MUSC3270. Music History: Classic, Romantic and Modern (3)

An introduction to music literature from 1750 to the present.

MUSC3430. Performance Practices (1)

Development and improvement of skills leading to effective stylistic comparison and evaluation of live and recorded musical performances.

MUSC3440. Diction (3)

A study of Italian, German, French, and English diction employing the International Phonetic Alphabet. **Offered:** Alternate years, normally offered fall odd numbered years.

MUSC3450. Teaching Music in the Elementary School I (2)

This class focuses on the major approaches to music education including Kodaly, Orff, Gordon's music Learning Theory, Dalcroze, and Suzuki with a field experience. **Prerequisite:** Admission to Teacher Education Program or instructor's permission. **Corequisite:** MUSC3460 **Offered:** Alternate years, normally offered fall odd numbered years.

MUSC3460. Teaching Music in the Elementary School II (2)

This class focuses on the application of the learning theories presented in MUSC3450, procedures, and objectives in school music in the primary and intermediate grades including a classroom field experience and technology intensive lesson component. **Corequisite:** MUSC3450 **Offered:** Alternate years, normally offered fall odd numbered years.

MUSC3470. Teaching Music in the Secondary School I (2)

This class focuses on strategies for instrumental/choral rehearsals and classrooms, materials, tools, and curricular structure common to the subject in the secondary schools. **Prerequisites:** Junior classification. Admission to Teacher Education Program or instructor's permission. **Corequisites:** EDUC3750, MUSC3480

MUSC3480. Teaching Music in the Secondary School II (2)

This class focuses on assessment and lesson planning in the secondary music rehearsal and classroom, as well as music advocacy, fund-raising, and program development issues. It will include a significant classroom field experience and a technology intensive lesson component. **Corequisite:** MUSC3470

MUSC3500. Northwesterners (0,1)

A small vocal ensemble of select personnel chosen by audition. Ensemble will perform vocal jazz, contemporary Christian and a cappella literature. Membership open to majors and non-majors. May be repeated for credit. **Fee:** Additional fee required.

MUSC3600. Basic Conducting (2)

Introduction to the fundamentals of conducting techniques, rehearsal methods, and musical score reading. **Prerequisite:** Instructor's permission. **Offered:** Alternate years, normally offered fall even numbered years.

MUSC3610. Advanced Conducting (2)

Further study of conducting techniques, rehearsal methods and orchestral score reading. **Prerequisites:** MUSC3600 or, instructor's permission. **Offered:** Alternate years, normally offered spring odd numbered years.

MUSC3620. Basic Conducting, Choral Methods, and Materials (3)

Introduction to the fundamentals of conducting, rehearsal methods, and choral scores. Topics include development of a school choral music program and finding choral music of various styles, genres, and cultures. Emphasis will be placed on classroom management for school choirs. **Prerequisite:** Instructor's permission. **Offered:** Alternate years, normally offered fall even numbered years.

MUSC3630. Advanced Conducting, Instrumental Methods, and Materials (3)

Introduction to instrumental conducting, including rehearsal techniques, and band and orchestral score-reading. Topics include development of a school instrumental program and finding instrumental music of various styles, genres, and cultures. Emphasis will be placed on classroom management for school bands. **Prerequisite:** Instructor's permission. **Offered:** Alternate years, normally offered spring odd numbered years.

MUSC3650. Advanced Audio Technology (3)

This course is designed to teach the technical aspects of multi-track recording, mixing, mastering, and producing digital audio and MIDI data. It is taught in lecture, discussion, and demonstration formats, with emphasis on student oral presentations using supporting recordings. Offered alternate years. **Prerequisite:** MUSIC1310.

MUSC3750. Symphonic Literature (1)

A study of representative symphonic literature from the baroque, classic, romantic, and modern periods (18th, 19th, and 20th centuries). **Prerequisite:** Instructor's permission. May be repeated for credit. **Offered:** Alternate years.

MUSC4094. Special Topics (1-3)

A concentrated study of one topic in music. May be repeated for credit. **Prerequisite:** Instructor's permission.

MUSC4100. Forms and Analysis (3)

A study of standard musical forms in music from the common practice period to the present. **Prerequisites:** MUSC2220, 2230, or instructor's permission. **Offered:** Alternate years, normally offered fall odd numbered years.

MUSC4250. Private Instruction in Instrument or Voice (1-2)

Private instruction in piano, voice, organ, strings, percussion, woodwind or brass instruments. Available to juniors and seniors who have reached an appropriate level of proficiency. May be repeated for credit. **Prerequisite:** Instructor's permission **Fee:** Additional fee required.

MUSC4251. Private Instruction in Instrument or Voice for the Music Major (1-2)

Private instruction in piano, voice, organ, strings, percussion, woodwind or brass instruments. Weekly 30 or 60 minute lesson, weekly Master Class and jury examination required. May be repeated for credit. **Prerequisite:** Instructor's permission. **Fee:** Additional fee required.

MUSC4370. Bella Voce (0,1)

Women's choir whose membership is open to non-majors as well as majors. Personnel chosen by audition. May be repeated for credit. **Prerequisite:** Instructor's permission. **Fee:** Additional fee required.

MUSC4371. University Men's Choir (0,1)

Audition for placement in appropriate section. Choir sings in music department concerts, chapels, selected churches and community events. May be repeated for credit. **Fee:** Additional fee required.

MUSC4390. Piano Methods (3)

A study of piano teaching materials and methods for the beginner through college level.

MUSC4410. Voice Methods (3)

A study of voice production, teaching methods and repertoire for the various voice classifications. **Offered:** Alternate years, normally offered spring even numbered years.

MUSC4420. Musical Theatre Production/Opera Workshop (0,1)

Hands-on involvement in the performing of an opera, opera scenes, or a Broadway musical, including acting, singing, choreography, stage lighting and set construction. May be repeated for credit. **Prerequisites:** Audition or instructor's permission. (See ARDE2420, ARDE4420).

MUSC4430. Jazz Revival (0,1)

A jazz ensemble with vocalists and instrumentalists chosen by audition, with a broad repertoire of jazz and popular music. **Prerequisite:** Instructor's permission. **Fees:** Additional fee required.

MUSC4440. Orchestra (0,1)

Membership open to non-majors as well as majors. May be repeated for credit. **Prerequisites:** Audition or instructor's permission.

MUSC4450. Chamber Ensemble (0,1)

A course designed for students ready to participate in a small chamber group. Membership open to non-majors as well as majors. May be repeated for credit. **Prerequisite:** Audition or instructor's permission.

MUSC4451. Jazz Ensemble (0,1)

A course designed for students ready to participate in a jazz ensemble setting. Membership open to non-majors as well as majors. May be repeated for credit. **Prerequisites:** Audition or instructor's permission. **Fee:** Additional fee required.

MUSC4460. Concert Band (0,1)

The Northwest Nazarene University Concert Band is a course of membership in the largest instrumental ensemble of the Department of Music. Most wind and percussion instruments are represented in the ensemble. Membership is open to proficient non-majors as well as majors. May be repeated for credit. Initial auditions each year are primarily for chair placement. **Prerequisite:** Instructor's permission. **Fee:** Additional fee required.

MUSC4490. Crusader Choir and Orchestra (0,1)

An ensemble of select personnel chosen by audition. Ensemble's aims are to perform a variety of choral/orchestral literature from classical to contemporary. Membership open to majors and non-majors. May be repeated for credit. **Fee:** Additional fee required.

MUSC4510. Music in Worship and Ministry (3)

In-depth study of the role and function of music in worship and the role of the church musician in the ministry of the local church. Particular attention will be given to exploration of a variety of musical worship traditions and their musical cultures. The course will acquaint the student with day-to-day practices in ministry in the local church, administrative practices, and pastoral staff relationships. **Offered:** Alternate years, normally offered fall even numbered years.

MUSC4950A. Internship in Church Music (1-2)

A course designed to place students in a local church where, under the supervision of the instructor and the minister of music, the student will assume many of the responsibilities in the music ministry. May be repeated for credit.

MUSC4950B. Internship in Audio Engineering (1-3)

Hands-on experience mixing, reinforcing and recording sound in musical performance venues. Students will learn about professional audio engineering equipment and techniques in chapel, church and/or studio settings. **Prerequisite:** MUSC1310, MUSC2650, COMM2280.

MUSC4980. Seminar in Music Business Management (3)

Topics researched and discussed in this seminar will include producing and selling a musical recording, creation and management of a recording label, marketing and promotion and copyright issues. **Offered:** Alternate years, normally offered spring even numbered years.

NSCI-Natural Science**NSCI2094. Topics in Natural Science (1-3)**

An interdisciplinary study of a current topic in natural science. Topics may include, but are not limited to, natural resources practicum, field geology of the Pacific Northwest, and field geology. **Prerequisite:** Instructor's permission.

NSCI3094. Topics in Natural Science (1-3)

An interdisciplinary study of a current topic in natural science. Topics may include, but are not limited to, natural resources practicum, field geology of the Pacific Northwest, and field geology. **Prerequisite:** Instructor's permission.

NSCI4094. Topics in Natural Science (1-3)

An interdisciplinary study of a current topic in natural science. Topics may include, but are not limited to, natural resources practicum, field geology of the Pacific Northwest, and field geology. **Prerequisite:** Instructor's permission.

NURS-Nursing**NURS1000. Introduction to the Profession of Nursing (1)**

A survey course to help students explore nursing as a possible career path..

NURS2000. Health Assessment of Family Health Nursing (3)

The focus of this course will be health assessment through the gathering of subjective and objective data. Critical thinking will be encouraged through learning how to analyze and cluster data that is obtained through health assessment. Evidence-based practice as the foundation for clinical nursing will be incorporated. An introduction to the nursing process, therapeutic use of self, caring and communication skills will be presented. The clinical focus will be gerontology. Clinical/Nursing lab component. **Prerequisites:** NURS2100, PSYC1550, BIOL2010, BIOL2010L, ENGL1030, SOGY1550, CHEM1210, CHEM1210L, BIOL2030, BIOL2030L; admission to the nursing program. **Fees:** Additional fee required.

NURS2010. Theoretical Foundations of Nursing (3)

Students will investigate nursing history, nursing theory, nursing code of ethics, and professional practice using theory as a framework. Additionally, the theoretical and empirical bases for health promotion and risk reduction assessment and intervention in diverse environments will be studied. Students will examine issues that impact individual, family, group, community wellness and health behaviors throughout the life span, including a consideration of the health objectives for the nation. Clinical is directed toward providing health promotion, disease prevention, and therapeutic and restorative care primarily to geriatric adults. Students are afforded the opportunity to develop beginning therapeutic communication skills with diverse populations. Clinical/Nursing lab component. **Prerequisites:** Admission to the nursing program.

NURS2030. Fundamentals of Family Health Nursing (5)

Focuses on the application of nursing process, including basic clinical nursing intervention for individuals and their families. Integrates concepts from microbiology and pathophysiology into nursing interventions that are designed to meet individual and family health needs. Emphasizes the use of evidence-based nursing intervention in diverse health care settings including an introduction to medication administration, the nursing process and critical thinking application. Clinical/Nursing Lab component. **Prerequisites:** NURS2000, NURS2010, BIOL2420, BIOL2420L, KINE2730, PSYC2100. **Corequisite:** BIOL3820. **Fees:** Additional fee required.

NURS2100. Medical Terminology (1)

A hybrid independent study, with online quizzes, designed to prepare students for comprehension and utilization of medical terminology in health professions.

NURS3010. The Childbearing Family (4)

Focuses on the family, health promotion, and preventive care during the reproductive years. Application of pharmacology, physiology & pathophysiology pertaining to childbearing families will be incorporated. Clinical/Nursing Lab component. **Prerequisites:** NURS3020, NURS3030. **Fees:** Additional fee required.

NURS3015. Pediatrics and the Family Unit (3)

Focuses on the family, growth and development, health promotion, and preventive care of children. Application of pharmacology, physiology & pathophysiology pertaining to childrearing families will be incorporated. Clinical/Nursing Lab component. **Prerequisites:** NURS3020, NURS3030. **Fees:** Additional fee required.

NURS3020. Mental Health (3)

The nursing management of individuals with acute and chronic mental disorders utilizing a Stress-Coping-Adaption theoretical framework. Application of psychopharmacology will be integrated. Clinical component included. **Prerequisites:** NURS2030, NURS3040, BIOL3820. **Fees:** Additional fee required.

NURS3030. Medical Surgical Nursing: Acute and Chronic Health Needs (6)

The nursing process is applied to selected acute and chronic disease processes. Topics include clinical reasoning and critical thinking, health promotion, evidence based practice and nursing management of adult patients and their families in an acute care setting. Includes Clinical/Simulation Lab component. **Prerequisites:** NURS2030, NURS3040, BIOL3820. **Fees:** Additional fee required.

NURS3040. Pharmacology (3)

Course includes an examination of the major classifications of drugs, mechanism of action, interactions and clinical implications. Roles and responsibilities in utilizing pharmacotherapeutics will be explored. **Prerequisites:** NURS2000, NURS2010, BIOL2420, BIOL2420L. **Corequisite:** BIOL3820.

NURS4000. Medical Surgical Nursing: Complex Health Needs (5)

Course will include the impact of multifactorial complex health needs on the family. Topics will include critical thinking, evidence-based practice, and nursing management of clients pertaining to complex health needs will be practiced within high acuity settings for adults. Family presence in such settings and end of life issues will be incorporated.

Clinical/Simulation Lab component. **Prerequisites:** NURS3010, NURS3015, NURS3030, NURS4030. **Fees:** Additional fee required.

NURS4010. Nursing of Diverse Populations in the Community (4)

An experience-based study of nursing in health promotion, health protection, and health maintenance for communities with diverse populations. A collaborative role of nursing in management of community health care will be explored, and environmental influences upon the health of populations will be a focus. Clinical component included. **Prerequisites:** NURS3010, NURS3015, NURS4030. **Fees:** Additional fee required. **Fulfills a General Education Tier II Cross-Cultural Experience if taken with NURS4010CL Intercultural Lab Tier II.**

NURS4020. Leadership and Management in Professional Nursing (3)

An investigation of theories and principles of leadership and management within professional nursing practice. Topics will include principles of health care finance and political/regulator processes and policies. Nursing and health care trends within the context of regional, national and international arenas will be examined.

Prerequisites: NURS4000, NURS4010.

NURS4030. Nursing Research (3)

An analysis of the research process. Students will be guided in applying and incorporating research into evidence-based nursing practice. Human subjects protection training is required. **Prerequisites:** NURS3020, NURS3030, ENGL1030, MATH2240 or comparable statistics course.

NURS4040. Transition to Professional Nursing Practice/Capstone (4)

This capstone course facilitates the transition from student to professional nurse and assists the student to review and prepare for the National Council Licensing Examination (NCLEX). This course gives the student an opportunity to apply knowledge and skills acquired throughout the program under the mentorship of a nurse preceptor, and allows students to reflect on their educational experience and professional development in light of the institutional values of Northwest Nazarene University. Includes clinical preceptorship of 180 hours.

Prerequisites: NURS4000, NURS4010. **Co-requisite:** NURS4020. **Fees:** Additional fee required.

NURS4094. Special Topics in Nursing (1)

A study of special topics relating to current issues and trends in nursing. Subject matter may change to meet the needs of the learner. **Prerequisite:** Permission of the instructor.

OCAM-Off Campus**OCAM1094. Topics (1-16)**

An entry level off-campus program of study. **Prerequisites:** Academic advisor's permission on pre-registration schedule, off-campus program acceptance, and approved NNU application for off-campus study. May be repeated for credit under a different title.

OCAM2094. Topics (1-16)

A sophomore level off-campus program of study. **Prerequisites:** Academic advisor's permission on pre-registration schedule, off-campus program acceptance, and approved NNU application for off-campus study. May be repeated for credit under a different title.

OCAM3094. Topics (1-16)

A junior level off-campus program of study. **Prerequisites:** Academic advisor's permission on pre-registration schedule, off-campus program acceptance, and approved NNU application for off-campus study. May be repeated for credit under a different title.

OCAM4094. Topics (1-16)

A senior level off-campus program of study. **Prerequisites:** Academic advisor's permission on pre-registration schedule, off-campus program acceptance, and approved NNU application for off-campus study. May be repeated for credit under a different title.

PHIL-Philosophy**PHIL2010. Introduction to Philosophy (3)**

A study of the major problems with which philosophy deals and an introduction to the major philosophers of the Western world. Students will be introduced to critical thinking and writing.

PHIL2020. Ethics (3)

An introduction to the concept of good, involving a study of the major ethical theories of the West and their applications to contemporary moral problems.

PHIL3010. History of Ancient and Medieval Philosophy (3)

A chronological study of the foundations of Western thought from the early Greeks through the medieval period, concentrating on the primary source material from Plato, Aristotle, Augustine, and Thomas Aquinas.

PHIL3020. History of Modern Philosophy (3)

A survey of the major philosophers of the 17th, 18th, and 19th centuries with special consideration for the influence of their thought upon the modern world. **Offered:** Alternate years.

PHIL3080. Critical Reasoning (3)

An introduction to the science of logic and reasoning, including both deductive and inductive reasoning processes. Basic concepts such as validity, soundness, strength, and argument evaluation will be covered. The course will also cover fallacies (both formal and informal), truth trees, biases within argumentation, and symbolic logic.

PHIL3094. Topics in Philosophy (1-3)

An examination of a specific area in philosophy. Topics will be announced as the course is scheduled and may include: applied ethical theory, philosophy of education, philosophy of logic, philosophy of nature, etc. **Offered:** Alternate years.

PHIL3410. Philosophy and Literature of Existentialism (3)

A study of the major concepts of existential philosophy along with the literary styles that are used by the major existential thinkers. The study will include Kierkegaard, Nietzsche, Sartre, Camus, Tillich, and Buber. (See THEO3410) **Offered:** Alternate years.

PHIL3520. Philosophy of Science (3)

This course represents a survey of the major theories in epistemology as they relate to scientific and philosophical investigation. The primary objective is to enhance the interdisciplinary dialogue taking place at the interface between science and philosophy. The course will also focus on some of the ethical and metaphysical implications of current scientific investigation.

PHIL3580. Love (3)

An examination of theological and philosophical aspects of love. There will be a spiritual formation project. **Prerequisites:** THEO2100. (See THEO3580) **Fees:** Additional fees required.

PHIL3600. Clinical Ethics (3)

A review of the traditional theories of and the contemporary ethical applications to health care. The focus is the integration of ethical responsibility and the medical environment. Theorists and practitioners will contribute insight about methodology and motives that determine the decisions that are made in the dynamic of modern medical care.

PHIL4210. Contemporary Philosophy (3)

A survey of the philosophers of the 20th century and the trends in natural, social, and political science that have impacted their thought. Both the analytic and continental streams of thought will be addressed with special attention given to positivism, existentialism, linguistic analysis, and postmodernism. **Prerequisites:** 4 credits in philosophy or instructor's permission. **Offered:** Alternate years.

PHIL4430. Metaphysics (3)

An investigation of the ultimate philosophical commitments about reality. Topics selected may include the basic constituents of ontology, the nature of space and time, causality, freedom and the self. Representative figures in the history of philosophy may be considered and analyzed. **Prerequisites:** 4 credits in philosophy or instructor's permission. **Offered:** Alternate years.

PHIL4520. Philosophy of Religion (3)

A constructive study of religious claims, thoughts, and practices from the philosophic point of view. Special attention is given to problems such as: the idea of God, immortality, evil, freedom and determinism. **Prerequisites:** 4 credits in philosophy or instructor's permission.

PHIL4900. Philosophy Capstone (1)

This course is designed to bring to completion a student's NNU education, with an eye toward philosophical integration of the student's entire study. The course will involve systematic reflection of the university outcomes and will seek to further refine a student's ability to read and write philosophy.

PHIL4980. Seminar in Philosophy (3)

A study of topics will be announced as the course is scheduled and could include: personality, social philosophy, philosophy of science, and aesthetics. **Prerequisites:** 6 credits in philosophy or instructor's permission. **Offered:** Alternate years. May be repeated for credit.

PHIL4990. Philosophy and Aesthetics (3)

A senior level capstone course integrating philosophy and the visual arts. Students will have a working knowledge of basic theories in aesthetics with an aim to assessment in the visual arts. The culminating project will comprise a piece of group artwork displaying a robust synthesis of aesthetic theory and basic art practice. The project will include a ten page paper articulating the group's process.

PHYS-Physics

PHYS1010. Introduction to Physical Science (3)

An interdisciplinary physical science course that covers the main educational topics in chemistry, physics, and earth science. This course is designed for elementary education majors but may be taken by any student for general education requirement. No prior knowledge of science is assumed. **Corequisite:** PHYS1010L

PHYS1010L. Introduction to Physical Science Laboratory (1)

An interdisciplinary physical science lab that provides hands-on experimentations in the main educational topics of chemistry, physics, and earth science. This lab is designed for elementary education majors but may be taken by any student for general education requirement. No prior knowledge of science is assumed. **Corequisite:** PHYS1010

PHYS1060. Descriptive Astronomy (3)

A descriptive study of modern astronomy for the general student with an emphasis on the structure and dynamics of stars, galaxies, and the universe. The sun, planets and other objects in our local solar system will also be considered.

PHYS1060L. Descriptive Astronomy Laboratory (1)

A laboratory course taught in connection with PHYS1060. Observational and laboratory activities are included, some in the evenings. **Corequisite:** PHYS1060 **Fee:** Additional fee required

PHYS1110. College Physics I (3)

A comprehensive non-calculus based approach to the fields of physics. Designed for students whose career goals are architecture, business, physical therapy, science education, and pre-medicine. Emphasis is placed on problem solving. Topics covered include mechanics, heat, thermodynamics, and sound. **Prerequisites:** MATH1300, 1400, or pass the COMPASS math examination through Trigonometry. **Concurrent:** PHYS1110L

PHYS1110L. College Physics I Laboratory (1)

The laboratory uses the discovery approach to physical principles. The laboratory will cover basic labs in mechanics, wave motion and heat. **Concurrent:** PHYS1110 **Fee:** Additional fee required

PHYS1120. College Physics II (3)

A comprehensive non-calculus based approach to the fields of physics. Designed for students whose career goals are architecture, business, physical therapy, science education, and pre-medicine. Emphasis is placed on problem solving. Topics covered include electricity and magnetism, light and optics, and modern physics. **Prerequisites:** PHYS1110; MATH1300, 1400; or pass the COMPASS math examination through Trigonometry. **Concurrent:** PHYS1120L

PHYS1120L. College Physics II Laboratory (1)

The laboratory uses the discovery approach to physical principles, and will cover basic labs in electricity and magnetism, light and optics. **Concurrent:** PHYS1120 **Fee:** Additional fee required

PHYS2094. Topics in Physics (1-3)

A study in the field of physics not covered in other courses such as weather balloon launching or conceptual physics. **Prerequisite:** Instructor's permission. May be repeated for credit.

PHYS2110. Physics for Science and Engineering I (3)

A comprehensive calculus based examination of the fields of physics. Designed for science students whose career goals are in engineering, physics, chemistry, medicine, and veterinary science. Topics covered include mechanics, thermodynamics, wave phenomena, and fluid mechanics. **Corequisite:** MATH2510 **Concurrent:** PHYS2110L

PHYS2110L. Physics for Science and Engineering I Laboratory (1)

The laboratory uses the discovery approach to physical principles. Selected experiments from the fields of mechanics, wave motion, and heat will be performed. **Corequisite:** PHYS2110 **Fees:** Additional fee required

PHYS2120. Physics for Science and Engineering II (3)

A comprehensive calculus based examination of the fields of physics. Designed for science students whose career goals are in engineering, physics, chemistry, medicine, and veterinary science. Topics covered include electricity and magnetism, and light and optics. **Prerequisite:** PHYS2110 **Corequisite:** MATH2520 **Concurrent:** PHYS2120L

PHYS2120L. Physics for Science and Engineering II Laboratory (1)

The laboratory uses the discovery approach to physical principles. Selected experiments from the fields of electricity and magnetism, and light and optics will be performed. **Concurrent:** PHYS2120 **Fee:** Additional fee required

PHYS2310. Instrumentation in Experimental Physics I (1)

An introduction into using instrumentation in experiments. Includes using instrumentation software such as LabVIEW to design virtual instruments and interface hardware. Error analysis of measurements is also studied. Selected experiments in physics using instruments commonly used in the discipline will be performed. Experimental devices used to acquire data, such as oscilloscopes, digital multimeters, thermocouples, ADC's and DAC's, Geiger counters, SEM, and vacuum systems will be utilized. **Prerequisites:** PHYS2110, 2120 **Fee:** Additional fee required

PHYS2320. Instrumentation in Experimental Physics II (1)

A continuation of PHYS2310. Topics will include advanced LabVIEW programming and interfacing with instruments. This is accomplished by using experimental devices to acquire data, such as oscilloscopes, digital multimeters, thermocouples, ADC's and DAC's, Geiger counters, SEM, and vacuum systems.

Prerequisite: PHYS2310 **Fee:** Additional fee required

PHYS3094. Topics in Physics (1-3)

A concentrated study in a field of physics not covered in other courses such as low temperature physics, Mossbauer spectroscopy, elementary particles, relativity, and cosmology. **Prerequisites:** PHYS2120, MATH3540. May be repeated for credit.

PHYS3130. Modern Physics (3)

Course will cover basic ideas of quantum theory which led to the Rutherford-Bohr model of the atom; elementary quantum mechanics using Schrodinger's equation with applications to atoms, molecules, nuclei, and elementary particles will be studied. Topics include: atomic and molecular spectra; ionic and covalent bonds; theory of alpha, beta and gamma decay; and quantum statistics of Bose and Fermi particles. **Prerequisite:** PHYS2120 **Concurrent:** PHYS3130L

PHYS3130L. Modern Physics Laboratory (1)

This course is designed to provide students with experience in the experimental research techniques used in modern physics. Emphasis is placed on experimental methods and procedures, the relationship among various observable quantities, and data analysis. Experiments performed will include determining electron charge to mass ratio, lattice spacing determination using low-energy electron diffraction, nuclear decay rate measurements, spectroscopy, and others pertaining to topics covered in class. **Concurrent:** PHYS3130 **Fee:** Additional fee required

PHYS3410. Analytic Mechanics (3)

Application of Newtonian mechanics to physical systems. Topics covered include central force problems, equations of motion of Lagrange and Hamilton, normal modes resulting from small vibrations, and rotating frames of reference. **Prerequisite:** PHYS2110 **Concurrent:** MATH3530, 3540 **Offered:** Alternate years

PHYS3510. Thermodynamics and Statistical Mechanics (3)

An integrated approach to the study of thermodynamics and statistical mechanics. Topics covered include the properties of gases, liquids, and solids from a thermodynamic viewpoint; phase diagrams, first, second, and third laws of thermodynamics and related state functions such as energy, entropy, enthalpy; free energy, and the Gibbs function with applications to chemical and physical systems. Additional topics include probability distributions for classical and quantum systems; microcanonical, canonical and grand canonical partition-functions and associated thermodynamic potentials, conditions of thermodynamic equilibrium for homogenous and heterogenous systems. **Prerequisites:** PHYS2110 and MATH3530 **Offered:** Alternate years

PHYS4610. Electricity and Magnetism (3)

A vector calculus based examination of the laws of Gauss, Biot-Savart, Ampere and Faraday; application of the equations of Laplace and Poisson to boundary valued problems. Maxwell's equations are introduced and used to investigate electromagnetic wave propagation in different media and radiation from antennas. **Corequisites:** PHYS2120; MATH3530, 3540 **Offered:** Alternate years

PHYS4710. Optics (3)

Physical optics with emphasis on the application of the principles of interference, diffraction, and polarization; the study of lasers. Photometry and interferometry. **Prerequisites:** PHYS4610 or ENGR4250 **Offered:** Alternate years

PHYS4720. Solid State Physics (3)

An introduction to the physics of the solid state of matter. Topics include crystal structure, lattice vibrations and electronic band structure of crystals, electrical, optical, and thermal properties of solids, transport and other non-equilibrium phenomena in uniform and non-uniform solids. It is recommended that Modern Physics or Quantum Mechanics be taken before this course, or some general knowledge of solutions to Schrodinger's

Equation. **Prerequisite:** MATH3540 **Offered:** Alternate years

PHYS4810. Fundamentals of Quantum Mechanics (3)

A beginning course in quantum mechanics which starts with the postulates and derives Schrodinger's equation from physical optics principles. Several simple systems are studied and the properties of eigen functions are used to introduce matrix methods and operator theory.

Emphasis is placed on mathematical formalism with applications to atomic systems. **Prerequisites:** PHYS2120; MATH3540. **Offered:** Alternate years

PHYS4970. Research (1)

Participation with a faculty member in an individual investigative project or literature review. Required of all physics and engineering physics majors. May be repeated for credit.

PHYS4980. Senior Seminar/Capstone (1)

Required of and limited to seniors. Involves a written and oral presentation of work completed in PHYS4970. **Prerequisite:** Instructor's permission

POLS-Political Science**POLS1010. American National Politics (3)**

An introduction to American politics from the 18th century to the present. Major themes and events include the writing of the U.S. Constitution, the development of American political principles and institutions, and contemporary political practices and issues in the U.S.

POLS1030. The Foundations of Politics: The Quest for Peace and Justice (3)

Special emphasis given to peace and justice in political communities, as well as the relationship of religious faith to political thought and practice. This course emphasizes the development of reading, writing, and critical thinking skills; and examines historical and contemporary political issues rooted in perennial questions about justice.

POLS1050. Introduction to International Relations (3)

An introduction to the international political system and its major institutions, issues, and events. Major themes and events include the nature of the state system, national security and national interest, war and peace, alliances, diplomacy, the Cold War, conflict resolution, and international law.

POLS3094. Topics in Political Science (2-3)

An examination of various aspects of politics and political science conducted in a seminar format. May be repeated for a maximum of 4 credits.

POLS3310. Presidential Power: The Politics of Leadership (3)

An in-depth analysis of the presidency in the American political system. The course will examine the origins of the presidency, the nature of executive-legislative relations, the growth of presidential power, and the exercise of presidential power, especially in the modern era. **Offered:** Alternate years.

POLS3330. U.S. Foreign Policy (3)

An in-depth examination of the factors influencing the U.S. as a participant in the international system, especially from the end of World War II to the present. Topics include U.S. foreign policy and ideology, domestic politics and interest groups, public opinion and the media, and historical events considered chronologically. (See HIST3330). **Offered:** Alternate years.

POLS3410. American Political Thought and Ideology (3)

A critical investigation of political ideas and ideologies from the pre-revolutionary era through the founding period, early 20th century and New Deal, to present distinctions between liberals, conservatives, and other contemporary political orientations. The course examines the evolution of American political discourse, with particular emphasis on liberty, equality, the locus of power in the American political system, and the relationship between the included and excluded in American political history. **Offered:** Alternate years.

POLS3520. Theories of Politics (3)

A critical exploration of major themes and issues in the Western political and philosophical tradition from Plato to today, organized around the question, "Why should I obey the State?" Special emphasis will be placed on the concepts of state, citizen, obedience, and the rule of law. **Offered:** Alternate years.

POLS3610. Comparative Politics (3)

An in-depth study of how nations are governed, how different political systems operate, and historical explanations for disparate levels of development. This course examines how modern political systems try to resolve complex domestic and international problems. Topics include the theoretical foundations of comparative political analysis, the relationship between the state, markets, and civil society, and the growing importance of culture in explaining development and the quality of governance. **Offered:** Alternate years.

POLS4410. Constitutional Law (3)

An in-depth study of the U.S. Supreme Court and its role in the American political and legal systems. Landmark judicial decisions are examined concerning governmental powers, separation of powers, and federalism. Special attention is paid to legal reasoning and the role of the Court and its work in American government and society. Recommended for students interested in law school. **Offered:** Alternate years.

POLS4420. Civil Rights and Civil Liberties (3)

A critical examination of U. S. Supreme Court decisions involving constitutional rights and liberties with special attention given to the Bill of Rights and the Fourteenth Amendment. Topics will include religious freedom, freedom of expression, rights in criminal procedure, due process and equal protection, including racial and gender discrimination and sexual harassment. **Prerequisites:** POLS4410 or instructor's permission. **Offered:** Alternate years.

POLS4560. International Peace and Global Governance (3)

An in-depth study of conflict and conflict resolution in the international political system. This course examines various theories and models such as negotiation theory, peace studies, biblical models, international law, global human rights, and international order models. **Offered:** Alternate years.

POLS4960. Internship in Political Science (3)

A supervised, practical work experience in either the public or private sectors. The internship is required of all political science majors and provides an opportunity to gain practical experience in government and politics. **Prerequisites:** Instructor's permission.

POLS4970. Senior Thesis and Capstone (4)

This course, required for all political science and international studies majors, consists of two parts. The departmental component (Thesis) is an independent research paper of 25-30 pages, which includes demonstration of critical analysis and evaluation involving scholarly research and data-gathering. The university component (Capstone) includes a careful evaluation of the fulfillment of the university outcomes in the growth and experience of the student while at NNU, in discussion and an extended paper of 8-10 pages.

POLS4980. Seminar in International Studies (3)

An in-depth examination of a particular problem, issue, or event in global affairs. The course is discussion-centered and involves extensive readings in the field of international studies. **Offered:** Alternate years.

PRTH-Practical Theology**PRTH1250. Christian Ministry Retreat (1)**

A fall retreat for all Christian ministry majors, with specific emphases in spiritual formation and the development of community among students. Typically during a September weekend. **Fees:** Additional fee required.

PRTH1440. Ministerial Scholarship Practicum (0)

A practicum designed to foster spiritual formation through reflecting on personal spiritual reading (assigned weekly), sharing, accountability and prayer. This course will connect classroom learning about the Bible, theology and ministry to local church practice (praxis) through weekly ministry experience in churches and other ministry situations. Required for all ministerial scholarship recipients.

PRTH1710. Introduction to Christian Ministry (1)

A study of the meaning of a call to vocational ministry. Topics included are standards of character and service, demands and opportunities confronting the ministry, and guidance in planning college courses.

PRTH1900. Introduction to Parachurch Ministry (2)

An introduction to and study of vocational ministry outside of traditional local church or denominational contexts. Topics include the call to this type of ministry, working with local churches and governing boards, raising support, and developing an advisory committee.

PRTH2094. Topics in Evangelism (1)

An examination of some phase of evangelism not covered in other courses. May be repeated for credit.

PRTH2400. Christian Missions (3)

An introduction to the study of Christian missions. Attention will be given to biblical and theological foundations, historical perspectives, and cultural dimensions of missions in a contemporary world setting. A field trip is a required part of the course. **Fees:** Additional fee required. **Fulfills a General Education Tier II Cross-Cultural Experience if taken with PRTH2400CL Intercultural Lab Tier II.**

PRTH2440. Ministerial Scholarship Practicum (0)

A practicum designed to foster spiritual formation through reflecting on personal spiritual reading (assigned weekly), sharing, accountability and prayer. This course will connect classroom learning about the Bible, theology and ministry to local church practice (praxis) through weekly ministry experience in churches and other ministry situations. Required for all ministerial scholarship recipients.

PRTH2600. Foundations for Cross-Cultural Ministry (1)

Exploration of the call to and preparation for missionary service. Aptitude for cross-cultural service and conflict management skills will be emphasized. Weekend seminar. **Fees:** Additional fee required.

PRTH2960. Field Experience in Christian Ministry (1)

A study of and practical application of topics in pastoral theology. In addition to the weekly class time, the student will contract to be involved in some phase of Christian ministry in a local church or other appropriate ministry setting. **Prerequisites:** PRTH1710. **Fees:** Additional fee required.

PRTH3094. Topics in Practical Theology (1-3)

An examination of some phase of practical theology not covered in other courses. May be repeated for credit.

PRTH3210. Spiritual Formation (2)

A study of the theory and practice of spiritual formation and Christian discipleship. Attention will be given to the reflective discipline of one's own individual journey with God in personal spiritual development. Further attention will be given to discipling through mentoring and in small groups. A spiritual formation weekend retreat is an integral part of this course and is required of all students. **Prerequisites:** PRTH1710. **Fees:** Additional fee required.

PRTH3220. Worship Theory and Development (2)

A study of the principles of Christian worship. Attention will be given to the development of contextualized, theologically informed worship as well as the rites and sacraments of Christian worship. **Fees:** Additional fee required.

PRTH3250. Worship Leadership and the Sacraments (2)

A study of the integration of a theology of worship into local contexts. Attention will be given to the creation, production, and implementation of Christian communal worship services. This course will also provide a theology and practice of the Christian sacraments of the Lord's Supper and Baptism. **Prerequisites:** PRTH3220. **Offered:** Alternate years. **Fees:** Additional fee required.

PRTH3400. Cross-Cultural Communication of the Gospel (2)

A study of cultural and strategic dimensions involved in cross-cultural communication of the gospel. Consideration will be given to assessing cultural contexts and applying sound biblical and theological principles to strategies of communicating the gospel. **Prerequisites:** THEO2100, PRTH2400. **Fees:** Additional fee required.

PRTH3440. Ministerial Scholarship Practicum (0)

A practicum designed to foster spiritual formation through reflecting on personal spiritual reading (assigned weekly), sharing, accountability and prayer. This course will connect classroom learning about the Bible, theology and ministry to local church practice (praxis) through weekly ministry experience in churches and other ministry situations. Required for all ministerial scholarship recipients.

PRTH3710. Preaching (3)

A study of the preparation and delivery of sermons within the context of worship, including practice preaching. **Prerequisites:** BIBL3110 or BIBL3120; COMM1210.

PRTH3750. Compassionate Ministries (2)

A study of the theology of social holiness as expressed in a life of compassionate stewardship. The course will explore current literature and programs being developed by evangelical churches focusing on compassionate ministries. Special attention will be given to urban compassionate ministry centers being developed by the Church of the Nazarene. A field trip is a required part of the course. **Fees:** Additional fee required. **Fulfills a General Education Tier II Cross-Cultural Experience if taken with PRTH3750CL Intercultural Lab Tier II.**

PRTH3880. Camping and Recreation Ministry (2)

An introduction to the philosophy, methods and skills necessary to plan, organize and administer camping and recreation ministries for the local church and/or other connected entities. **Fees:** Additional fee required.

PRTH3960. Field Experience in Christian Ministry (1)

A study of and practical application of topics in pastoral theology. In addition to the weekly class time, the student will contract to be involved in some phase of Christian ministry in a local church or other appropriate ministry setting. **Prerequisites:** PRTH2960. **Fees:** Additional fee required.

PRTH4440. Ministerial Scholarship Practicum (0)

A practicum designed to foster spiritual formation through reflecting on personal spiritual reading (assigned weekly), sharing, accountability and prayer. This course will connect classroom learning about the Bible, theology and ministry to local church practice (praxis) through weekly ministry experience in churches and other ministry situations. Required for all ministerial scholarship recipients.

PRTH4710. Missional Growth and Health (2)

A study of the church's mission and development with special emphasis on church health and growth. Attention will be given to the skills of observation of church and community, both historical and contemporary. Students will describe the socialization and dynamics of the church to culture, and develop skills for effective ministry. A field trip is required. **Fees:** Additional fee required.

PRTH4820. Pastoral Leadership (3)

A study of leadership and administration in Christian ministries. Areas to be discussed will include: spiritual gifts; selecting, organizing, and maintaining a church staff; conflict management and professional ethics. Field trips to several churches will be included. **Fees:** Additional fee required.

PRTH4960. Internship in Christian Ministry (3)

A practical course, open only to seniors in the Department of Religion, involving ministry experience in areas including preaching, counseling, teaching, education, evangelism, administration and missions. This experience will be under the direction of the instructor in cooperation with the supervising ministry mentor. May be repeated for credit. **Prerequisites:** PRTH1710, PRTH2960, PRTH3960 or instructor's permission. **Fees:** Additional fee required.

PSYC-Psychology

PSYC1250. Psychology for Life (2)

An overview of the principal issues in the psychology of adjustment. The causes and patterns of behavior are analyzed to enable students to acquire insight and understanding regarding the actions of the emotionally healthy as well as the emotionally disturbed. **Fees:** Additional fee required.

PSYC1550. Introduction to Psychology (3)

A study of the basic principles of human behavior, giving attention to developmental patterns, motivation and adjustment, learning and memory processes, and individual differences in aptitude, personality, and mental health.

PSYC2100. Lifespan Development (3)

A study of growth and development of human beings from conception to death, with emphasis on the areas of cognitive processes, language development and social interactions. **Prerequisites:** PSYC1550.

PSYC2110. Educational Psychology (3)

A study of the psychological implications involved in the teaching-learning situation with emphasis on those psychological principles applicable to children ages 6-12 and adolescents 13-18. A variety of learning and developmental theories based on research from the field of psychology are covered.

PSYC2550. Psychology of Motivation and Leadership (3)

This course examines the psychological theories and methodologies of motivation and the elements of leadership, including motivating and demotivating factors, benefits of motivations, individual and team leadership, leadership styles and personalities. Applications for the organizational systems, individuals and groups will be studied.

PSYC2740. Helping Skills (2)

An introduction to the principles of counseling and psychotherapy and identification of and practice in the basic helping skills. **Prerequisites:** PSYC1550. **Offered:** Alternate years

PSYC2960. Psychology Practicum (1)

This course will prepare students for field experiences in psychology settings, including orientation, resume writing, and identifying possible sites and contact persons. All psychology students seeking field experiences in approved agencies must satisfactorily complete this course prior to registering for PSYC3960. (See CRIM2960)

PSYC2970. Sophomore Research in Psychology (1)

The student will assist an upper division research student or professor in conducting research. The student will learn the basics about the selected topic of research and gain experience in research methods. May be repeated for a maximum of 2 credits.

PSYC3094. Topics in Psychology (1-3)

A variety of subjects are presented. Different topics are covered each offering. May be repeated for credit with change of topic.

PSYC3100. Contemporary Approaches in Child & Adolescent Development (3)

This course provides an overview of the research on the emotional, cognitive, and psychological dynamics of children and adolescents. Attention is given to factors that create problems and shape the developmental trajectory into adulthood. **Prerequisites:** PSYC1550; PSYC2100 or SOWK2850

PSYC3250. Introduction to Neuropsychology (3)

An introduction to the psychology subfield of neuropsychology. The content involves an understanding of the relationships between brain and behavior. Students will be introduced to the anatomy and functions of the brain, the way brain functioning effects cognition and behavior and situations that can lead to deviations in behaviors and cognitions. **Offered:** Alternate years.

PSYC3450. Abnormal Psychology (3)

A study of the etiology and dynamics of psychopathology, designed to give the student a working vocabulary of terminology and concepts in the area of abnormal behavior. The course includes discussions about treatments and ethics involved in caring for those suffering from mental disorders. **Prerequisites:** PSYC1250 or PSYC1550.

PSYC3550. Psychology of Religion (2)

A study of the psychological implications of religious experience and a comparison of psychological and religious views of human behavior. **Prerequisites:** PSYC1550. **Offered:** Alternate years

PSYC3560. Neuropsychological Assessment (2)

This course introduces the student to specific tests used to evaluate brain functionality. The major batteries introduced will be Luria-Nebraska, Halstead-Reitan and the Delis-Kaplan Executive Functioning. Additional tests of memory, motor skills, inattention, and toxicology effects will also be introduced. **Fees:** Additional fee required. **Prerequisites:** PSYC4610 **Offered:** Alternate years.

PSYC3640. Experimental Design and Statistical Analysis I (3)

A course that integrates experimental methodology and statistical data analysis procedures in behavioral science. Emphasizes statistical descriptions, statistical inference, and hypothesis testing. **Prerequisites:** 6 credits in psychology or related field. **Corequisites:** PSYC3640L. Fulfills the General Education Mathematics Competency requirement.

PSYC3640L. Experimental Design and Statistical Analysis Laboratory I (1)

Students will be introduced to SPSS and the process of independent data collection. **Corequisites:** PSYC3640

PSYC3650. Experimental Design and Statistical Analysis II (3)

A course that integrates experimental methodology and statistical data analysis in behavioral science. Emphasizes experimental design, data collection, laboratory experience, and scientific report writing. **Prerequisites:** PSYC3640 **Corequisites:** PSYC3650L

PSYC 3650L. Experimental Design and Statistical Analysis Laboratory II (1)

Students will participate in group and individual data collection and advanced SPSS procedures and interpretation. **Corequisites:** PSYC3650

PSYC3750. Counseling Theory and Helping Skills (3)

A study of the fundamental theories of counseling and psychotherapy, with emphasis on the processes, APA ethics, and Idaho state laws involved in counseling. **Prerequisites:** 3 credits in Psychology. **Offered:** Alternate years. **PSYC3750L Lab required with this course.**

PSYC3750L Counseling Theory and Helping Skills Lab (1)

An introduction to the application of the principles of counseling and psychotherapy and identification of and practice in the basic helping skills. **Prerequisites:** PSYC1550. **Offered:** Alternate years in conjunction with PSYC3750

PSYC3850. Biological Foundations of Behavior (3)

A comprehensive study of basic brain organization and function and the neural substrates of emotion, motivation, learning, and memory. Recommended as background: BIOL2010, BIOL2030, or BIOL2230. (See BIOL3850) **Corequisites:** PSYC3850L **Offered:** Alternate years

PSYC3850L. Biological Foundations of Behavior Laboratory (1)

Students will complete lab tasks involving exploration of biopsychological concepts. Students will also complete dissection of a sheep brain and a cow eye. (See BIOL3850L) **Corequisites:** PSYC3850 **Fees:** Additional fee required. **Offered:** Alternate years

PSYC3960. Field Experience (1-2)

Readings and supervised field experience designed to give the student practical application in the areas of assessment, counseling, and behavior modification. May be repeated for a maximum of 4 credits. **Prerequisites:** PSYC2960 and instructor's permission.

PSYC3970. Junior Research in Psychology (1)

The student will begin the process of developing independent research. This may be in cooperation with a professor or senior research student. May be repeated for a maximum of 2 credits.

PSYC4010. Capstone (1)

This course provides students with a context for reflection and self-analysis regarding their educational experience at NNU. The approach in this course to self-analysis and critical reflection is two-fold: 1) students will reflect on their comprehensive educational experience through the lens of the four university outcomes, and 2) students will think about and discuss the integration of their learning with their future, post-university lives. (See CLST4010, CRIM4010, HUMN4010, SOGY4010, SPAN4010)

PSYC4110. Psychology of Learning (3)

An examination of the basic principles and theories of learning with major attention given to the problems of human learning and memory. **Prerequisites:** 9 credits in psychology. **Corequisites:** PSYC4110L **Fees:** Additional fee required. **Offered:** Alternate years

PSYC4110L. Psychology of Learning Laboratory (1)

Students will be involved in an animal behavior lab experience. **Corequisites:** PSYC4110 **Offered:** Alternate years

PSYC4350. Personality Theory (3)

A study of the development, structure, and modification of human personality. Modern theories of personality are submitted to critical analysis. **Prerequisites:** 6 credits in psychology. **Offered:** Alternate years

PSYC4550. Social Psychology (3)

A study of the inter-relationships of individuals and their social environments, including the methods of investigation and some of the theories and findings of the field of social psychology. (See SOGY4550). **Prerequisites:** 3 credits in sociology or 3 credits in psychology.

PSYC4610. Psychological Testing (3)

An introduction to the theory, problems, methods and content of psychological testing. The first part of the course deals with the basic concepts of the purpose of testing, test administration, scoring, standardization, reliability, validity, and evaluation. The remainder of the course covers the principal intelligence, achievement, aptitude, interest and personality tests. **Prerequisites:** 12 credits in psychology. **Fees:** Additional fee required. **Offered:** Alternate years

PSYC4650. Advanced Psychology

This course is a survey course in psychology in which Senior psychology majors study the major areas of general psychology in some depth, are involved in the introduction to Psychology course serving as teaching assistants, and leading activity and study groups for students in Introduction to Psychology. **Prerequisites:** Students will be psychology majors with at least junior standing. They must have completed at least 15 credits in psychology.

PSYC4720. Group Theory and Processes (3)

A study of historical and contemporary settings of groups and theoretical foundations of group work, with experience activities involving group dynamics. (See SOGY4720). **Prerequisites:** PSYC3750 or SOWK3550 **Corequisites:** PSYC4720L. **Offered:** Alternate years

PSYC4720L. Group Theory and Processes Laboratory (1)

The student will participate as a member of a "training the trainer" group experience. **Corequisites:** PSYC4720 **Offered:** Alternate years

PSYC4750. History and Systems of Psychology (2)

An historical survey of modern psychology and an analysis of its classical systems and contemporary theories. **Prerequisites:** 16 credits in psychology. **Offered:** Alternate years

PSYC4850. Introduction to Psychopharmacology (2)

Introduces the student to the pharmacological agents most widely used in persons recovering from head trauma and some areas of mental disorders, the rationale for the medications and the actions desired from the medication. **Prerequisites:** 6 credits in psychology. **Offered:** Alternate years.

PSYC4950. Practicum in Mental Measurement (3)

An introduction to the most widely used, individually administered intelligence tests: Kauffman Assessment Battery for Children, the Wechsler Intelligence Test series, the Stanford Binet Intelligence Scale, achievement tests and non-verbal cognitive tests. Administration, scoring, interpretation, and report writing are emphasized. **Prerequisites:** PSYC4610 or instructor's permission. **Fees:** Additional fee required. **Offered:** Alternate years

PSYC4960. Psychology Internship. (3)

This course requires 45 hours per credit in an approved setting of intensive experience-based learning designed to give students in-depth, work-setting related knowledge of one aspect of the field of psychology. Students assume career-related duties as deemed appropriate by their site-supervisor and approved by their major advisor. **Prerequisites:** PSYC2960, junior standing and instructor's permission. This course is available only to students in the Psychology program.

PSYC4970. Senior Research in Psychology (1-4)

The student will develop and complete an empirical research project and a written report suitable for submission to a psychological journal, or the student will assist a psychology faculty member in independent professional research. May be repeated for a maximum of 6 credits. **Prerequisites:** PSYC3640, PSYC3650. Instructor's permission.

REST-Religious Studies

REST3094. Topics in Religious Studies (1-3)

An examination of some phase of religious studies not covered in other courses. May be repeated for credit.

REST3560. World Religions: Asian Traditions (2)

A descriptive, historical, and theological examination of the great religious traditions originating in Asia, including Hinduism, Buddhism, Taoism, Confucianism, and

Shintoism. **Prerequisites:** BIBL1100, THEO2100. **Fulfills a General Education Tier III Cross-Cultural Experience if taken with REST3560CL Intercultural Lab Tier III.**

REST3570. World Religions: Western Traditions (2)

A descriptive, historical, and theological examination of the dominant Western monotheistic traditions of Judaism, Christianity, and Islam. Special attention will be given both to each tradition's uniquenesses as well as to their historical and theological connections. A brief study of Zoroastrianism will be included. **Prerequisites:** BIBL1100, THEO2100. **Fulfills a General Education Tier III Cross-Cultural Experience if taken with REST3570CL Intercultural Lab Tier III.**

REST4400. Ancient Near Eastern History and Culture (2)

A study of the history, culture, art and religion of the ancient Near East. Attention will focus on the major civilizations of the period 7000-300 BC. Israel's interrelations with these civilizations will be touched on briefly. Major archaeological contributions will be discussed. **Prerequisites:** BIBL1100, THEO2100. **Offered:** Alternate years.

REST4600. Noncanonical Writings and New Testament Interpretation (2)

A reading seminar utilizing primary, noncanonical, religious, theological and historical writings of the Hellenistic age. Representative Jewish, Christian and pagan cognate literature relevant for the interpretation of the New Testament will be surveyed. **Prerequisites:** BIBL3120. **Offered:** Alternate years.

SOGY-Sociology

SOGY1500. Introduction to Criminal Justice (3)

This course is an overview of the criminal justice system in the United States and covers four major content areas: the nature of crime and laws; policing and law enforcement; courts and adjudication; and corrections. (See CRIM1500.)

SOGY1550. Introduction to Sociology (3)

An introduction to the sociological perspective and to basic theories and procedures for studying society, with an emphasis on understanding the fundamental nature of social relationships, structures, and processes.

SOGY2030. Cultural Anthropology (3)

A course focusing on basic perspectives and concepts for understanding and productively relating to groups and individuals in other cultures. It includes an introduction to the discipline, history of the discipline and its development, and methods of cultural anthropology. **Offered:** Alternate years. **Fulfills a General Education Tier II Cross-Cultural Experience if taken with SOGY2030CL Intercultural Lab Tier II.**

SOGY2250. Issues of Developing Nations I (3)

A course designed to guide students in the study of under or lesser developed nations. Recognizing the issues are complex, the course covers the interrelatedness of political, cultural and economic development as well as the influences of religion, conflicts and special populations. The course is interdisciplinary in nature. **Offered:** Alternate years.

SOGY2430. Social Problems in Modern Society (2)

An examination of the origin, development, and attempted solutions of some of the major problems confronting contemporary society. Sociological and Christian perspectives are utilized in analyzing and responding to problems of focus. Recommended:

SOGY1550. **Offered:** Alternate years.

SOGY2970. Sophomore Research in Sociology (1)

The student will assist an upper division research student or professor in conducting research. The student will learn the basics about the selected topic of research and gain experience in research methods. May be repeated for a maximum of 2 credits.

SOGY3030. Ethnography: Exploring Intercultural Dynamics (3)

A course focusing on the contexts in which intercultural communication takes place and the impact of those contexts on communication. The course also develops ethnographic skills as a tool for adapting to a cross-cultural context. **Offered:** Alternate years. **Fulfills a General Education Tier II Cross-Cultural Experience if taken with CLST1002L Intercultural Lab.**

SOGY3180. Race, Class and Gender (3)

A study of the contemporary diversity of society with a focus on inter-group relations (e.g., assimilation, conflict, and pluralism). Emphasis is placed on gaining an understanding of the multi-cultural nature of American society in comparison with other societies and on formulating a viable response. Recommended: SOGY1550 or SOGY2430. **Offered:** Alternate years. **Fulfills a General Education Tier II Cross-Cultural Experience if taken with SOGY3180CL Intercultural Lab Tier II.**

SOGY3200. Juvenile Justice (3)

A study of the forms, causes, and consequences of juvenile delinquency. Intervention for offenders, preventive measures, and the legal and treatment system for dealing with juveniles will also be studied. The course is designed to expose students to textual/theoretical material as well as to knowledgeable professionals from agencies in the community. (See CRIM3200.)

SOGY3250. Issues of Developing Nations II (3)

A course designed to allow students an advanced study of under or lesser developed nations. Students will study the interrelated issues of political, cultural and economic development as well as the influence of religion, conflicts and special populations. Students will select a discipline in which she or he will complete an in-depth study. **Prerequisites:** SOGY1550, ECON1050 or POLS1050. **Offered:** Alternate years.

SOGY3340. Sociology of the Family (3)

A study of the nature and diversity of marriage and family relationships, and of perspectives for investigating and understanding the social issues and forces impacting them with the aim of clarifying standards and objectives. Recommended: SOGY1550. **Offered:** Alternate years.

SOGY3550. Sociology of Religion (3)

An examination of the changing role and function of religion for the individual and in society, with emphasis on understanding and responding to the forces conditioning the nature of this relationship. Recommended: SOGY1550, SOGY2030, or SOGY2430. **Offered:** Alternate years.

SOGY3970. Junior Research in Sociology (1)

The student will begin the process of developing independent research. This may be in cooperation with a professor or senior research student. May be repeated for a maximum of 2 credits.

SOGY4010. Capstone (1)

This course provides students with a context for reflection and self-analysis regarding their educational experience at NNU. The approach in this course to self-analysis and critical reflection is two-fold: 1) students will reflect on their comprehensive educational experience through the lens of the four university outcomes, and 2) students will think about and discuss the integration of their learning with their future, post-university lives. (See CLST4010, CRIM4010, HUMN4010, PSYC4010, SPAN4010)

SOGY4550. Social Psychology (3)

A study of the inter-relationships of individuals and their social environments, including the methods of investigation and some of the theories and findings of the field of social psychology. (See PSYC4550). **Prerequisites:** 3 credits in sociology or 3 credits in psychology.

SOGY4720. Group Theory and Processes (3)

A study of historical and contemporary settings of groups and theoretical foundations of group work, with experience activities involving group dynamics. (See PSYC4720). **Prerequisites:** PSYC3750 or

SOWK3550. **Corequisites:** SOGY4720L. **Offered:** Alternate years.

SOGY4720L. Group Theory and Processes Laboratory (1)

The student will participate as a member of a "training the trainer" group experience. (See PSYC4720L). **Corequisites:** SOGY4720. **Offered:** Alternate years.

SOGY4970. Senior Research in Sociology (1-4)

The student will develop and complete an empirical research project and a written report suitable for submission to a professional journal or the student will assist a faculty member in independent professional research. May be repeated for a maximum of 6 credits. **Prerequisites:** Instructor's permission.

SOWK-Social Work**SOWK2110. Introduction to Social Work and Social Welfare (3)**

This course is an introduction to the profession of social work and the role of social work in the social welfare system. This course serves as an orientation to the nature of social work practice, the issues that confront social workers, and the types of client systems served by social workers with an emphasis on small towns and rural communities. The course is organized around the major themes of poverty, socioeconomic class differences, and includes a review of the history and current nature of social welfare services.

SOWK2850. Human Behavior in the Social Environment I (3)

This is the first of two courses in human behavior in the social environment which will focus on a cell to society approach, paying special attention to small towns and rural communities. This course will review the processes for biological, psychological, intellectual, emotional, and spiritual development. An ecosystems framework will be employed to give special attention to diversity issues such as ethnicity, social class and discrimination as factors affecting human development. **Co/Prerequisites:** SOWK2110, BIOL1060, PSYC1550, SOGY1550 or SOGY2030, and POLS1030 or ECON1050.

SOWK2851. Human Behavior in the Social Environment II (3)

The second of two courses in human behavior in the social environment, this course will continue the examination of human behavior as it relates to the cell to society approach. An ecosystems framework will be employed to give special attention to diversity issues such as ethnicity, social class, and discrimination as factors affecting human

development. **Co/Prerequisites:** SOWK2110, BIOL1060, PSYCH1550, SOGY1550 or SOGY2030, POLS1030, or ECON1050; or, the instructor's permission. **Fulfills a General Education Tier III Cross-Cultural requirement if taken with SOWK2851CL Intercultural Lab Tier III.**

SOWK2960 Field Experience I (1)

Students will spend 40 hours completing rotations in various social work agencies to observe and participate in the delivery of social services. This will be arranged for students to complete in one large group and/or in several small groups. Agency assignments will be made by the instructor. **Prerequisites:** SOWK2110; or the instructor's permission.

SOWK2961 Field Experience II (1)

Students will complete an individual, in-agency, experience of 40 hours in one agency, involving observation and participation in the delivery of social services. Agency assignments will be made with the instructor's recommendations. **Prerequisites:** SOWK2110 or, the instructor's permission.

SOWK2970. Urban Field Experience (1)

This course is a several-day urban immersion experience, including coordinated readings. The foci for this course will be to look at services for the homeless and the programs for the development of housing stock for low income people in one major urban area. **Prerequisites:** SOWK1720 or 2110; and the instructor's permission. May be repeated for a maximum of two credits.

SOWK3250. Substance Abuse, Prevention, and Intervention (3)

This course is an overview of the phenomenon of addictions in general and addictions to substances in particular. This course will focus on the role of alcohol, tobacco, and other drugs in American society, the abuse of these substances, and strategies and policies for prevention and intervention of abuse. The skills required to work with substance abusers will be considered. Special attention will be given to the role of macro policies, societal values, and the support systems required for effective intervention and prevention strategies. **Prerequisites:** SOWK1720 or 2110; or instructor's permission. **Offered:** Alternate years.

SOWK3350. Child Welfare Services (3)

This course is an exploration of the nature and range of child (up to age 18) welfare services offered in the United States with some comparative studies from international social work. Material covering social work intervention strategies, governmental child welfare policies, and societal values regarding these strategies and policies will be introduced. **Prerequisites:** SOWK1720 or 2110; or instructor's permission.

SOWK3450. Gerontology and Geriatric Social Work (3)

An overview of the need for and the nature of social work practice as it pertains to the increasing population of elderly Americans. This course includes a review of the multiple dimensions of aging and the implications of these for social work practice with the elderly. Material covering social work intervention strategies, governmental policies and programs, and societal values regarding services for the elderly will be considered. **Prerequisites:** SOWK1720 or 2110; or instructor's permission. **Offered:** Alternate years.

SOWK3550. Social Work Methods I (2)

This course is a presentation of the basic skills, values, and knowledge bases for social work practice. Emphasis will be placed on the systemic contexts for the profession, its clients, and the nation's social welfare policies while introducing the student to an array of beginning social work practices. The ecosystems perspective for social work practice with an emphasis on rural communities and small towns will be used to focus on the individual and family client systems. **Prerequisites:** SOWK2110, 2850/2851, and acceptance into Methods Sequence. **Corequisite:** SOWK3590.

SOWK3551. Social Work Methods II (2)

Continuation of SOWK 3550. Students will develop an understanding of social work intervention with a strengths-based model. The ecosystems perspective for social work practice with an emphasis on rural communities and small towns will be used to focus on the individual and family client systems as well as relational systems in organizations and communities. **Prerequisites:** SOWK2110, 2850/2851, 3550, and acceptance into Methods Sequence. **Corequisites:** SOWK3590.

SOWK3560. Social Work Methods III (2)

This course is an extension of the first practice methods courses (SOWK3550/3551). During this semester, attention will be given to the social worker engaging in intervention with groups, organizations, and macro client systems. Both the strengths perspective and the planned change/intervention process will be employed for teaching and analytical purposes. Diversity factors (e.g., racism, ageism, genderism, classism, sexual orientation and "foreignism") will be considered as issues for addressing assessment, case planning, and intervention. **Prerequisites:** SOWK3550/3551. **Corequisite:** SOWK3591.

SOWK3561. Social Work Methods IV (2)

This course is the final class in the social work methods sequence. During this semester, attention will be given to the social worker engaging in intervention with groups, organizations, and macro client systems. Both the strengths perspective and the planned change/intervention process will be employed for teaching and analytical purposes. Diversity factors (e.g., racism, ageism, genderism, classism, sexual orientation and "foreignism") will be considered as issues for addressing assessment, case planning, and intervention. **Prerequisites:** SOWK3550/3551/3560. **Corequisite:** SOWK3591.

SOWK3750. Social Welfare Policy (3)

This course offers an investigation of the history, development, and current nature of welfare policies in the United States. Some comparative material with other developed countries will be added for the purposes of teaching and analysis. The dynamic interaction of organizations, rationale, and perspectives behind the policies and programs developed by federal, state, local, and private entities will be reviewed. Strategies for developing, implementing, and/or influencing the development of policies will be studied. **Prerequisites:** SOWK1720 or 2110.

SOWK3960. Field Experience III (1)

This course is an in-agency setting for observation of and engagement in social work practice under the supervision of a skilled practitioner. Students will log 40 hours. Attention will be given to identifying the knowledge, skills, and values bases of the social work profession. During this junior year practicum setting, each student shall practice using the change process approach (including assessment, goal setting, development of strategies, action plans, termination, and evaluation). **Corequisites:** SOWK3550/3551.

SOWK3961. Field Experience IV (1)

This course is an in-agency setting for observation of and engagement in social work practice under the supervision of a skilled practitioner. Students will log 40 hours. Attention will be given to identifying the knowledge, skills, and values bases of the social work profession. During this junior year practicum setting, each student shall practice using the change process approach (including assessment, goal setting, development of strategies, action plans, termination, and evaluation). **Corequisites:** SOWK3560/3561.

SOWK3962. Field Experience V (1)

This course is an in-agency setting for observation of and engagement in social work practice under the supervision of a skilled practitioner. Students will log 40 hours. Attention will be given to identifying the knowledge, skills, and values bases of the social work profession. During this junior year practicum setting, each student shall practice using the change process approach (including assessment, goal setting, development of strategies, action plans, termination, and evaluation). **Prerequisite:** Instructor's permission.

SOWK3970. Social Work Research and Statistics (3)

This course is an introduction to research and statistics as tools for understanding and improving social work practice. This course will include a review of traditional scientific research methodologies and alternative perspectives, such as the feminist approach to research. Attention will be given to evaluating descriptive, exploratory, explanatory, and evaluative research (and supportive statistical tools) to improve one's professional practice and agency programs, specifically in rural and small town communities. **Prerequisites:** SOWK2110, 2850/2851, 3550/3551, 3560/3561; or instructor's permission.

SOWK4094. Topics in Social Work (1)

This course is designed to cover current topics of interest in the field of social work. **Prerequisites:** SOWK2850/2851. This course may be repeated for credit.

SOWK4960. Social Work Practicum I (3)

This course is a senior-level social work internship in a social service agency. The student is assigned to work under the supervision of a licensed social worker. The placement is chosen to assure that the student attains necessary competencies for entry-level social work. Normally the internship experience is spread across two terms and involves 200 hours of on-location time for each semester. **Corequisite:** SOWK4980.

SOWK4961. Social Work Practicum II (3)

This course is a senior-level social work internship in a social service agency. The student is assigned to work under the supervision of a licensed social worker. The placement is chosen to assure that the student attains necessary competencies for entry-level social work. Normally the internship experience is spread across two terms and involves 200 hours of on-location time for each semester. **Corequisite:** SOWK4981.

SOWK4962. Social Work Practicum III (3)

This course is a senior-level social work internship in a social service agency. The student is assigned to work under the supervision of a licensed social worker. The placement is chosen to assure that the student attains necessary competencies for entry-level social work. Normally the internship experience is spread across two terms and involves 200 hours of on-location time for each semester. **Prerequisite:** Instructor's permission.

SOWK4980. Seminar in Social Work I (1)

This course is a senior-level seminar that runs concurrently with Social Work Practicum. This seminar is designed to help students integrate social work theory and social work practice. A small group format is used so that each student contributes to the learning of other students. The focus is for each student to be prepared for entry into generalist social work practice upon graduation. **Corequisite:** SOWK4960.

SOWK4981. Seminar in Social Work II/Capstone (1)

This course is a senior-level seminar that runs concurrently with Social Work Practicum. This seminar is designed to help students integrate social work theory and social work practice. A small group format is used so that each student contributes to the learning of other students. The focus is for each student to be prepared for entry into generalist social work practice upon graduation. **Corequisite:** SOWK4961.

SOWK4982. Seminar in Social Work III (1)

This course is a senior-level seminar that runs concurrently with Social Work Practicum. This seminar is designed to help students integrate social work theory and social work practice. A small group format is used so that each student contributes to the learning of other students. The focus is for each student to be prepared for entry into generalist social work practice upon graduation. **Prerequisite:** Instructor's permission.

SPAN-Spanish**SPAN1010. Elementary Spanish (4)**

For students who wish to begin the study of Spanish. The acquisition of basic vocabulary, sounds and structures with emphasis on conversation. An introduction to Spanish and Hispanoamerican cultures. **Fulfills a General Education Tier III Cross-Cultural Experience if taken with SPAN1010CL Intercultural Lab Tier III.**

SPAN1020. Elementary Spanish (4)

A continuation of SPAN1010. For students who wish to begin the study of Spanish. The acquisition of basic vocabulary, sounds and structures with emphasis on conversation. An introduction to Spanish and Hispanoamerican cultures. **Prerequisites:** SPAN1010 or equivalent. **Fulfills a General Education Tier II Cross-Cultural Experience if taken with SPAN1020CL Intercultural Lab Tier II.**

SPAN2010. Intermediate Spanish (4)

For students who have had at least two years of high school Spanish or one year of college Spanish. A refinement of basic skills and structure with continued emphasis on conversation and increasing emphasis on composition and reading. **Prerequisites:** SPAN1020 or equivalent. **Fulfills a General Education Tier II Cross-Cultural Experience if taken with SPAN2010CL Intercultural Lab Tier II.**

SPAN2020. Intermediate Spanish (4)

A continuation of SPAN2010. For students who have had at least two years of high school Spanish or one year of college Spanish. A refinement of basic skills and structure with continued emphasis on conversation and increasing emphasis on composition and reading. **Prerequisites:** SPAN2010 or equivalent. **Fulfills a General Education Tier II Cross-Cultural Experience if taken with SPAN2020CL Intercultural Lab Tier II.**

SPAN3010. Advanced Conversation and Composition (3)

Extensive conversation with lesser emphasis on composition. Spanish-language media such as television and Internet provides or supplements topics for discussion and writing. Counts for cultural or linguistic credit. May be repeated for credit once. **Prerequisites:** SPAN2020 or instructor's permission. **Fulfills a General Education Tier II Cross-Cultural Experience if taken with SPAN3010CL Intercultural Lab Tier II.**

SPAN3094. Topics in Hispanic Culture, Literature or Linguistics (3)

Topics of special interest in Hispanic culture (including history), literature, or linguistics. May be taught in Spanish or English. **Prerequisites:** Instructor's permission if course is taught in Spanish. May be repeated for credit.

SPAN3230. Spanish for the Medical Professional (3)

A study of language, forms and culture for medical practitioners. Useful for students majoring in nursing, biology or chemistry. Basic conversation and communication are taught, along with highly specialized terminology. **Prerequisite:** SPAN2020.

SPAN3240. Spanish-Language Children's Literature (3)

A study of various U.S. and Latin American authors of children's literature in Spanish. The course addresses the cultural and linguistic differences and similarities of Spanish language children's literature. Various perspectives, genres and literary styles will be explored. In the course, students will examine the nature of language construction and the construction of meaning in the social context. **Prerequisites:** SPAN2020 or instructor's permission.

SPAN3310. Hispanic Civilization (3)

Historical survey to the present with focus on varying themes from sociology, politics, religion and literature. The course alternates between a focus on Hispanoamerica and Spain in coordination with SPAN3510 Survey of Hispanic Literature. May be repeated once for credit. **Prerequisites:** SPAN2020 or instructor's permission.

SPAN3420. Introduction to Spanish Linguistics (3)

A study of the basics of phonetics, phonology, syntax, and lexicon of Spanish. **Prerequisites:** SPAN2010 or instructor's permission.

SPAN3510. Survey of Hispanic Literature (3)

A survey of Spanish literature from the medieval or colonial times to the present. Includes the genres of poetry, drama, and novel. The course alternates between a focus on Hispanoamerica and Spain in coordination with SPAN3310 Hispanic Civilization. May be repeated once for credit. **Prerequisites:** SPAN2020 or instructor's permission.

SPAN3630. Teaching Foreign Language in the Secondary School (2)

Strategies appropriate to this subject field, instructional materials and tools, curricular structure common to this subject in the secondary school. Includes opportunities for students to assist and teach a minimum of 20 hours (See EDUC3630) **Prerequisites:** Junior classification. **Corequisites:** EDUC3510, EDUC3750.

SPAN3950. Spanish Field Experience (1-4)

Language and culture field experience in the local community or the international setting. Students who work with predominantly Hispanic clientele, translate for a business, participate or volunteer in Hispanic Community events, or are in other ways using their Spanish may enroll in the field experience for credit. Up to 4 semester credits may be earned through the Spanish field experience. The field experience may be completed over one or more semesters during the academic year, depending on the nature of the experience and subject to approval by the chair of the department.

SPAN4010. Capstone (1)

This course provides students with a context for reflection and self-analysis regarding their educational experience at NNU. The approach in this course to self-analysis and critical reflection is two-fold: 1) students will reflect on their comprehensive educational experience through the lens of the four university outcomes, and 2) students will think about and discuss the integration of their learning with their future, post-university lives. (See CLST4010, CRIM4010, HUMN4010, PSYC4010, SOGY4010)

SPAN4970. Senior Thesis (3)

A capstone experience involving the writing of a major research paper under the close supervision of a faculty member. The paper is subject to multiple stages of criticism and rewriting. The Spanish Senior Thesis integrates the study of language and culture with the sociological approach of symbolic interactionism and the works of Blumer, Mead, Denzin, and other contemporary theorists. Required of all Spanish majors.

STSK-Study Skills**STSK1210. University Success (1)**

Students will learn several useful strategies for maximizing self-awareness, establishing goals, developing interdependence, identifying learning styles, managing time, taking notes, reading a textbook, and taking tests while developing self-management and self-motivation. Grade of C- or higher must be earned to satisfy provisional admittance requirement.

STSK1320. Computer Applications - Introduction to Word (1)

A self-study course of introductory word processing concepts using Word. This course will be graded Pass/Fail.

STSK1330. Computer Applications - Introduction to Excel (1)

A self-study course of basic spreadsheet concepts using Excel. This course will be graded Pass/Fail.

STSK1350. Computer Applications - Introduction to PowerPoint (1)

A self-study course introducing PowerPoint. This course will be graded Pass/Fail.

STSK1410. Reading Strategies (1)

An independent study course that assists readers in developing higher level reading skills while increasing reading speed and comprehension. Focus will also be given to strategies for reading different types of documents.

STSK1510. Mathematics Strategies (1)

An individualized study of mathematics emphasizing re-entry, review, or development of mathematics competency in new areas. May be repeated for credit.

STSK1610. English Strategies (1)

An individualized study of English writing conventions necessary to develop effective prose writing.

STSK1810. Major and Career Exploration: A Strengths-Based Approach (2)

This course is designed to assist students in their major and career exploration process. Activities and course assignments are interactive and reflective in nature, and include self and career exploration, in-class and outside of class activities, usage of career assessment resources, exploration of academic majors and career options.

STSK3120. Academic Peer Mentoring (1)

This course is required of Academic Peer Mentors within the Academic Advising Office. It is a one semester, one credit, letter grade course consisting of learning theory and skill training for coaching provisionally admitted freshmen. Topics include: time management, sensory learning preferences, note-taking, reading strategies, test taking, memory, education and development theory, motivation, self-regulation, wellness, and other general university study skills. May be repeated for credit. **Prerequisite:** Instructor's permission.

STSK3710. Career and Life Planning: Preparing for the Journey (2)

This course will assist students with many aspects of transitioning from NNU, including clarifying strengths and goals, marketing yourself to find a meaningful job/career path, and exploring adjustments to change. Activities and course assignments will be interactive and will include creating a vision for life and work, learning how to develop job search skills and tools.

STSK4120. Writing Consulting (1)

This class is required of writing consultants in the Academic Support Center. It is a semester long, one credit, letter grade course that covers the basics of editing, structure of essays and research papers, improvement of writing and how to do a one-on-one writing conference for various disciplines. The first half of the semester consists of class work and an internship; the second part of the semester consists of a continued internship with one-on-one meetings with the professor. **Prerequisite:** Instructor's permission.

THEO-Theology

THEO2100. Introduction to Christian Theology (3)

A study of the essential doctrines of the Christian faith in systematic form. The underlying foundation will be biblical faith, with special emphasis given to the interpretation of the Wesleyan-Arminian tradition. This course is designed for general students. **Prerequisites:** BIBL1100.

THEO3094. Topics in Theology (1-3)

An examination of some phase of theology not covered in other courses. May be repeated for credit. **Prerequisites:** THEO2100.

THEO3410. Philosophy and Literature of Existentialism (3)

A study of the major concepts of existential philosophy along with the literary styles that are used by the major existential thinkers. The study will include Kierkegaard, Nietzsche, Sartre, Camus, Tillich, and Buber. **Offered:** Alternate years. (See PHIL3410)

THEO3540. Christian Holiness (3)

A study of the doctrine of Christian perfection, stressing its biblical and historical background with particular attention to its development in the writings of John Wesley and the Wesleyan holiness tradition. Special emphasis will be given to spiritual formation aspects of entire sanctification. This course is designed for general students. **Prerequisites:** BIBL1100, THEO2100.

THEO3560. Theological Explorations of Evangelism (3)

A study of the various historical and contemporary expressions of evangelism from a theological perspective. The course seeks to help students develop a theological understanding of evangelism within the broader categories of ecclesiology and discipleship, as well as enabling them to reflect on and evaluate different methods often associated with evangelistic practices.

THEO3580. Love (3)

An examination of theological and philosophical aspects of love. There will be a spiritual formation project. **Prerequisites:** THEO2100. (See PHIL3580). **Fees:** Additional fee required.

THEO3590. Theology of the Church (3)

An advanced study of ecclesiology exploring the relationship between communal worship, Christian belief, and ethics. The course will also explore the biblical and theological background of various Christian traditions, the relationship of the Church to culture, current ecclesiological shifts, and the trajectory of the Church in a postmodern culture. **Prerequisites:** THEO2100.

THEO4240. Theology of Holiness (2)

A study of the theology of entire sanctification designed for Christian Ministry majors. Emphasis will be given to its biblical and historical background, especially as developed by John Wesley and the Wesleyan holiness tradition. **Prerequisites:** BIBL1100, BIBL3110 or BIBL3120, THEO2100.

THEO4530. Christian Theology I (3)

An advanced systematic study of the Christian faith from a Wesleyan perspective, with particular reference to historical development and contemporary understanding. The subjects include Theological Methodology, Revelation and Inspiration, the Trinitarian God, Humanity, and Sin. **Prerequisites:** Two courses in theology or instructor's permission. **Fees:** Additional fee required.

THEO4540. Christian Theology II (3)

An advanced systematic study of the Christian faith from a Wesleyan perspective, with particular reference to historical development and contemporary understanding. The subjects include Christology, Soteriology, Pneumatology, Christian Ethics, and Eschatology. **Prerequisites:** Two courses in theology or instructor's permission. **Fees:** Additional fee required.

THEO4900. Religion Capstone (1)

The course evaluates how students in the department of religion have integrated theology and ministry practice through the use of case studies. The case studies will provide a context for faculty to assess whether students have integrated the university outcomes in their understanding of Christian ministry.

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Basketball, Men's Assistant Coaches: Rye Olson, Randy Carter
Basketball, Women's Head Coach: Ryan Bragdon
Basketball, Women's Assistant Coaches: Elpidia Allen, John Hartman
Golf, Men's and Women's Head Coach: Craig Stensgaard
Golf, Men's and Women's Assistant Coaches: Chris Jensen, Scott Nicholes, Fred Sutton
Soccer, Men's Head Coach: Coe Michaelson
Soccer, Men's Assistant Coaches: Stephen Marshall, Dane Manley
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Soccer, Women's Assistant Coach: Macey Vasquez
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Ronald W. Strohmeyer (2005-), Associate Professor of Biology
 B.S., Florida International University; Ph.D., Arizona State University

John D. Stutz (2013-), Assistant Professor of Engineering
 B.S., University of Alabama; M.S., University of Alabama in Birmingham; Ph.D., University of Alabama in Huntsville

Danielle Sutton (2013-), Clinical Instructor of Nursing
 B.S.N., M.S.N., South University

Fred Sutton (2012-), Associate Professor of Business

B.S., California State University; M.B.A., Keller Graduate School of Management; D.B.A., Argosy University

Barry W. Swanson (1991-), Associate Professor of Music

B.Mus.Ed., Southern Nazarene University; M.A., Boise State University; Ph.D., University of Idaho

Mollie M. Sweet (2003-), Associate Professor of Business

B.S., Miami University; M.B.A., Northwest Nazarene University; Ph.D., Northcentral University

David S. Tarrant (2012-), Vice President for Financial Affairs

B.B.A., The University of Toledo, OH; M.B.A., Crown College

Terri Theriot (2001-), Associate Professor of Social Work

B.S., Northwest Nazarene University; M.S.W., Walla Walla College

Richard P. Thompson (2007-), Professor of Biblical Studies

B.A., Olivet Nazarene University; M.Div., Nazarene Theological Seminary; Ph.D., Southern Methodist University

Kevin Timpe (2009-), Professor of Philosophy

B.A., Mount Vernon Nazarene College; M.A., Nazarene Theological Seminary; Ph.D., Saint Louis University

Heidi L. Tracht (2010-), Assistant Professor of Academic Advising & Testing, Director

B.S., Olivet Nazarene University; M.S., Capella University

Jamie Tucker (2006-), Associate Professor of Art

B.A., Saint Mary-of-the-Woods College, M.F.A., Indiana State University

George Turner (1974-), Associate Professor of Music

B.A., Northwest Nazarene University; M.A., University of Denver

R.G. Vanderpool (2006-), Associate Professor of Business

B.A., Northwest Nazarene University; M.S., University of Oregon; Ph.D., University of Idaho

Devon Van Essen (2011-), Instructor of English

B.A., Northwest Nazarene University; M.A., University of Oregon

Richard Van Schyndel (2008-), Associate Professor of Business

B.S., Northwest Nazarene University; M.A.M., University of Redlands

Dennis R. Waller (1982-87, 1990-), Professor of Concurrent Credit

B.A., Northwest Nazarene University; M.A., Boise State University; Ed.D., Seattle University

Gary Lee Waller (1997-2004, 2009-), Professor, Director of Non-traditional Programming

B.A., Northwest Nazarene University; M.Div., Nazarene Theological Seminary; D.Min., San Francisco Theological Seminary

Whitney T. Ward (2013-), Assistant Professor of Education

B.A., M.A., Ed.S., Northwest Nazarene University

Burton J. Webb (2010-), Vice President for Academic Affairs

B.S., Olivet Nazarene University; M.A., Ball State University; Ph.D., Indiana University School of Medicine

L. Kay Webb (2010-), Assistant Professor of Counseling

B.A., Olivet Nazarene University; M.M., M.A., Ph.D., Ball State University

Konya Weber (2001-), Professor of Business

B.A., Mount Vernon Nazarene University; M.B.A., St. Joseph's University; Ph.D., Touro University International

Jane Weis (2013-), Assistant Professor of Nursing

B.S., University of San Francisco; M.S.N., University of Cincinnati

Eric P. Werth (2012-), Assistant Professor of E-Learning

B.S., Albertson College of Idaho; M.S., Oregon State University; Ed.D., Liberty University

Loredana Werth (2011-), Assistant Professor of Education

B.S., College of Idaho; M.S., Oregon State University; Ph.D., University of Idaho, Boise

Alan Wheatley (2001-), Associate Professor of World History

B.A., Point Loma Nazarene University; M.Div., Nazarene Theological Seminary; C.Phil., Ph.D., University of California, Los Angeles

B. Joseph Willey (2012-), Instructor of English as a Second Language

B.A., M.Ed., Mid-America Nazarene University

Celia I. Wolff (2014-), Assistant Professor of Biblical Studies

B.A., Seattle Pacific University; M. Div., Duke University Divinity School

Arnold Ytreeide (2005-), Associate Professor of Mass Communications

B.A., Northwest Nazarene University; M.A., Boise State University; Ph.D., University of Vallais

Bonnie J. Zaroban (2009-), Assistant Professor of Nursing

B.S.N., M.S.N., University of Nebraska Medical Center

President Emeritus

Richard A. Hagood (1985-2008), President; Education

B.A., Northwest Nazarene University; M.S., University of Oregon; Ph.D., University of Illinois Urbana-Champaign

Vice Presidents Emeriti

Samuel L. Dunn (1994-2007), Vice President for Academic Affairs, Business and Mathematics

B.A., B.S., Olivet Nazarene University; M.S., University of Wisconsin-Milwaukee; M.B.A., University of Puget Sound; Ph.D., University of Wisconsin-Milwaukee

Kenneth D. Hills (1989-1998), Vice President for Student Development, Psychology

B.A., Northwest Nazarene University; M.A., Ph.D., University of Wyoming

Harold E. Weber (1971-1998), Vice President for Financial Affairs, Business

B.A., Northwest Nazarene University; M.B.A., Santa Clara University

Faculty Emeriti

Evelyn Bennett (1977-2005), Academic Support Center

B.A., Northwest Nazarene University; M.A., Boise State University

Gaymon L. Bennett (1971-2006), English

B.A., Northwest Nazarene University; M.A., California State University-Los Angeles; Ph.D., Washington State University

Marvin R. Bloomquist (1958-1994), Music

B.A., B.Mus., Northwest Nazarene University; M.A., University of Minnesota; D.M.A., University of Missouri-Kansas City Conservatory of Music

A. Wendell Bowes (1982-2011), Religion

B.A., Northwest Nazarene University; M.Div., Nazarene Theological Seminary; Th.M., Princeton Theological Seminary; Ph.D., Dropsie College

Dennis D. Cartwright (1985-2006), Education

B.A., Northwest Nazarene University; M.A., Boise State University; Ed.D., University of Idaho

Ed Castledine (1982- 2010), Director of Academic Advising and Testing

B.A., Northwest Nazarene University; M.A.T., Lewis and Clark College

Raymond M. Cooke (1971-1997), History

B.A., Northwest Nazarene University; M.A., University of Idaho; Ph.D., University of Oregon

C.S. Cowles (1975-1984, 1986-2001), Religion

B.A., Azusa Pacific University; B.D., Nazarene Theological Seminary; S.T.D., San Francisco Theological Seminary

Richard D. Craig (1992-2007), Education

B.A., The College of Idaho; M.Ed., The College of Idaho;

Ed.D., Brigham Young University

Edwin Crawford (1976-2009), Philosophy, Religion

B.A., Northwest Nazarene University; M.A., Whitworth College; L.H.D., Northwest Nazarene University

Donald L. Davis (1989-2000), Art

B.A., Northwest Nazarene University; M.F.A., University of Idaho

Robert R. DeCloss (1986-2012), Professor of Mathematics

B.A., Point Loma University; M.A. Claremont Graduate School; Ph.D., Oklahoma State University

William Fyffe (1978-2007), Biology

B.S., California State University-Long Beach; M.A., Ph.D., University of California-Los Angeles

Janet Harman (1973-2013), Professor of Education

B.A., Northwest Nazarene University; M.A., University of Colorado; Ph.D., University of Idaho

Double E. Hill (1948-1986), Music

B.Mus., Northwest Nazarene University; M.Mus., University of Idaho; Ph.D., University of Illinois

Reginald Hill (1969-2008), English

B.A., George Fox University; M.A., University of Oregon

Martha Hopkins (1966-2000), Kinesiology

B.A., Northwest Nazarene University; M.S., Indiana University; Ed.D., University of Idaho

Jean Horwood (1969-1992), Physical Education

B.S., Ursinus College; M.Ed., Temple University

W. Arthur Horwood (1969-1992), Physical Education

B.A., Roberts Wesleyan College; M.A., Ed.D., Michigan State University

Jerry Hull (1978-2007), Social Work

B.A., Northwest Nazarene University; M.Div., Nazarene Theological Seminary; M.A., University of Nebraska at Omaha; M.S.W., University of Tennessee

Arthur Imel (1964-1994), Chemistry

B.S., Willamette University; M.S., Ph.D., Oregon State University

Chris Kapicka (1994-2008), Biology

B.S., Boise State University; M.S., Washington State University; Ph.D., University of Nevada, Reno

Fred Knight (1964-1986), Education

B.A., Th.B., Northwest Nazarene University; M.A., University of Wichita; Ed.D., University of Southern California

Irving W. Laird (1967-1997), Special Ministries

B.A., Eastern Nazarene College; B.D., Nazarene Theological Seminary; M.S., Butler University; D. Min., American Baptist Seminary of the West

Ruth A. Long (1946-1984), Art

B.A., Northwest Nazarene University; M.A., University of Idaho

George Lyons (1991-2013), Professor Biblical Studies

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

Janine Lytle (1968-1994), French

B.A., Northwest Nazarene University; M.A., University of Washington

Thomas E. Mangum (1982-2006), Biology

B.A., Northwest Nazarene University; M.A., Ed.D., Ball State University

Darrell Marks (1959-1998), Vice President for Institutional Advancement, Physics

B.A., Northwest Nazarene University; M.S., Massachusetts Institute of Technology; Ph.D., Oregon State University

Larry McMillin (1986-2012), Professor of Education, Extended University Services

B.A., Northwest Nazarene University; M.Ed., Oregon State University; Ed.D., University of Northern Colorado

Phyllis McMillin (1979-1982; 1986-2013), Associate Professor of Education

B.A., Northwest Nazarene University; M.Ed., Oregon State University

Paul Miller (1969-1998), Educational Media, Information Resources

B.A., Northwest Nazarene University; M.A.T., Michigan State University; Ph.D., University of Wisconsin

Newell Morgan (1975-2003), Spanish

B.A., Northwest Nazarene University; M.A., Ph.D., University of New Mexico

Elizabeth Murtland (1987-1998), Family and Consumer Sciences

B.A., Northwest Nazarene University; M.S., Utah State University

Lynn R. Neil (1981-2001), English

B.A., Northwest Nazarene University; M.A., Boise State University; Ed.D., Utah State University

Ralph E. Neil (1981-2006), Dean, School of Theology and Christian Ministries; Religion, Philosophy

B.A., Northwest Nazarene University; M.Div., D.Min., Nazarene Theological Seminary

Earl Owens (1960-1998), Speech Communication

B.A., University of California; M.A., Stanford University; Ed.D., University of Northern Colorado

Ronald Ponsford (1976-2013), Dean, School of Arts, Humanities and Social Sciences; Professor of Psychology

B.A., Point Loma Nazarene University; M.A., Fuller Theological Seminary; Ph.D., Fuller Graduate School of Psychology

Leon Powers (1974-2006), Biology

B.A., Northwest Nazarene University; M.Nat.Sc., University of Idaho; Ph.D., Idaho State University

Helen M. Rambo (1957-1994), Library

B.A., Northwest Nazarene University; M.L., University of Washington

Irene Runkle (1968-1983), Home Economics

B.S., Iowa State University; M.A., Albertyson College of Idaho

Francis Sharpton (1970-2001), Physics

B.S., College of Ozarks; M.S., University of Arkansas; Ph.D., University of Oklahoma

Marvin Stallcop (1965-2006), Music

B.A., Northwest Nazarene University; M.Mus., University of Montana; Ed.D., Arizona State University

Paul Taylor (1966-2002), Kinesiology

B.S., University of Kansas; M.S., University of Colorado; D.P.E., Indiana University

Ernest L. Thompson (1974-1998), Education

B.A., Northwest Nazarene University; M.Nat.Sc., University of Idaho

Merilyn Thompson (1970-79, 1988-2006), Registrar; Communication Studies

B.A., Northwest Nazarene University; M.S., Portland State University

Eula Tombaugh (1958-1983), Home Economics

B.S., Iowa State University; M.A., University of Minnesota

Kenneth F. Watson (1985-1998), Assistant to the President; Chemistry

B.A., Northwest Nazarene University; Ph.D., Oregon State University

Lilburn Wesche (1961-1981, 1988-1997), Education

B.A., Northwest Nazarene University; M.Ed., Trinity University; Ed.D., University of Northern Colorado

Jim Willis (1966-2006), Music

B.A., Northwest Nazarene University; M.Mus., University of Portland; D.M.A., University of Missouri-Kansas City

JoAnn Willis (1968-2006), Dean, School of Academic Resources; Psychology

B.A., Northwest Nazarene University; M.A., University of Missouri-Kansas City; Ph.D., Oregon State University

Adelaide Woodcock (1967-1972, 1976-1986), Education

B.S., M.A., Ball State University

Robert C. Woodward (1958-1991), History

B.A., Northwest Nazarene University; M.A., Ph.D., University of Oregon

Kenneth Yoder (1980-2007), Mathematics

B.A., Eastern Nazarene College; M.Ed., University of North Carolina; M.A., University of California-Los Angeles

Senior Fellows

Clark Childers (2004-), Physics

B.A., California State Polytechnic University, Pomona; M.S., University of Idaho; Sc.D., Point Loma Nazarene University

Mark Gismondi (2014-), Political Science and International Studies

B.A., Ph.D., University of Oklahoma; M.A., The University of Central Oklahoma

Wallace C. Johnson (1993-), Chemistry

B.A., Northwest Nazarene University; M.S., New Mexico Highlands University

Annotated Academic Calendar 2014-2015

Fall Semester (FA14)

Aug 22-25	Fri-Mon	New Student Orientation, Testing, and Registration
Aug 25	Mon	Returning Student Registration
Aug 26	Tues	Classes Begin: Semester and Quad I
Aug 27	Wed	Last Day to Enroll at NNU (Register and Make Arrangements for Payment)
Sept 1	Mon	Labor Day (Student Holiday)
Sept 3	Wed	Last Day to Add a Semester and Quad I Class
Sept 5	Fri	Last Day to Drop a Semester and Quad I Class without a 'W'
Sept 23	Tues	Last day to Withdraw from a Quad I Class with a 'W'
Oct 13-14	Mon-Tues	Fall Break (Student Holiday)
Oct 15	Wed	Quad I Classes End
Oct 16-17	Thurs-Fri	Final Examinations for Quad I
Oct 20	Mon	Quad II Classes Begin
Oct 21	Tues	Quad I and Semester Mid-Term Grades Due
Oct 27	Mon	Last Day to Add a Quad II Class
Oct 29	Wed	Last Day to Drop a Quad II Class without a 'W'
Oct 31	Fri	Last Day to Withdraw from a Semester Class with a 'W'
Nov 14	Fri	Last Day to Withdraw from a Quad II Class with a 'W'
Nov 26-28	Wed-Fri	Thanksgiving (Student Holiday)
Dec 5	Fri	Last Day of Undergraduate Classes
Dec 8-11	Mon-Thurs	Final Examinations for Semester and Quad II Classes
Dec 16	Tue	Grades Due

Spring Semester (SP15)

Jan 12	Mon	Check-In, Registration, and Testing
Jan 13	Tues	Classes Begin: Semester and Quad I
Jan 14	Wed	Last Day to Enroll at NNU (Register and Make Arrangements for Payment)
Jan 19	Mon	Martin Luther King Day (Student Holiday)
Jan 21	Wed	Last Day to Add a Semester and Quad I Class
Jan 23	Fri	Last Day to Drop a Semester and Quad I Class without a 'W'
Feb 10	Tues	Last day to Withdraw from a Quad I Class with a 'W'
Feb 16	Mon	Presidents' Day (Student Holiday)
Mar 4	Wed	Quad I Classes End
Mar 5-6	Thurs-Fri	Final Examinations for Quad I
Mar 9	Mon	Quad II Classes Begin
Mar 10	Tues	Quad I and Semester Mid-Term Grades Due
Mar 16	Mon	Last Day to Add a Quad II Class
Mar 18	Wed	Last Day to Drop a Quad II Class without a 'W'
Mar 20	Fri	Last Day to Withdraw from a Semester Class with a 'W'
Mar 23-27	Mon-Fri	Semester Break
April 3	Fri	Good Friday (Campus Holiday)
April 6	Mon	Easter Monday (Student Holiday)
April 14	Tues	Last Day to Withdraw from a Quad II Class with a 'W'
May 1	Fri	Last Day of Undergraduate Classes
May 4-7	Mon-Thurs	Final Examinations for Semester and Quad II Classes
May 9	Sat	Baccalaureate and Commencement
May 12	Tues	Grades Due

Important Contact Numbers

Area Code 208

Admissions (Admission information, campus visitations)

Admissions Welcome Center	467-8000
Fax	467-8645
Toll Free	1-877-NNU-4-YOU
WEB	www.nnu.edu
E-mail	admissions@nnu.edu

Academic Advising and Testing

Administration Building	467-8463
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Academic Support Center (Reading, writing, study methods, computer applications, mathematics instruction, course-related tutoring, study sessions, editing papers, and accommodations for learning disabilities)

Administration Building, Room 6	467-8666
---------------------------------	----------

Athletics

Johnson Sports Center	467-8876
-----------------------	----------

Bookstore (Textbooks, general books, gifts, clothing, supplies)

Student Center	467-8844
----------------	----------

Career Center (Career advising, interest assessment, resume development, and employment information)

Student Center Lobby	467-8402
----------------------	----------

Counseling Center

Appointments	467-8466
Director	467-8674
Counselor	467-8766
Student Center	

Extended University Services

Center for Professional Development	467-8495
Summer School - Undergraduate	467-8495
Study Tours	467-8870
Concurrent Credit	467-8373
Express Education	467-8373
Business	467-8870
Counseling	467-8870
Education	467-8495
Religion	467-8538
Social Work	467-8870

Financial Aid (Information on financial assistance and scholarship programs)	
Administration Building	467-8638
Food Service (Sodexo Campus Services, Amity Perk Coffee Shop)	
Student Center	467-8667
Graduate Studies	
Master of Education ♦Curriculum and Instruction, Educational Leadership, Exceptional Child, Reading (online), Director of Special Education and Related Services Certification	467-8341
Master of Arts - Christian Education, Missional Leadership, Pastoral Ministry, Spiritual Formation	467-8368
Master of Divinity with emphases in: Christian Education, Missional Leadership, Spiritual Formation, Youth Church and Culture	
Master of Business Administration	467-8123
Master of Social Work	467-8679
Master of Science in Counseling	467-8345
Master of Science in Nursing	467-8642
Housing Services	
Married student housing and rentals	467-8633
Residence halls and apartments	467-8643
Student Center	
Internet Address	www.nnu.edu
Multi-Cultural Affairs	467-8768
Student Center	
Registrar's Office (Transcript evaluations, Veterans Affairs, School records)	
On-Line Transcript Request:	www.nnu.edu/transcripts
Administration Building	467-8541
Security	467-8550
24/7 Campus EMERGENCY	467-8911 on Campus 8911
Administration (Non-Emergency)	467-8550 on Campus 8550
(Administration available Monday-Friday 8-5 PM)	
STEP (Accelerated Delivery Degree Program)	467-8100
Student Development	
Crusader	467-8656
Oasis	467-8656
Student Government Association	467-8771/467-8778
Student Center	467-8643

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