



Northwest Nazarene UNIVERSITY

Great minds • Great hearts • Great futures

Undergraduate Catalog 2010-2011

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Northwest Nazarene University

Undergraduate Catalog 2010-2011

This university catalog is correct in content and policy as of the date of publication. The provisions of this catalog are not to be regarded as an irrevocable contract between the student and the university. The university reserves the right to make changes of any nature in programs, calendar, academic policy, tuition and fees, or academic schedules whenever these changes are deemed by the university administration as necessary or desirable, including changes in academic policies, class schedules, course content, and the canceling of scheduled classes or other academic and non-academic activities.

The University

History

A desire to educate their own children led the founders of Northwest Nazarene University (NNU), 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, 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 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 mid-sixties. The name of the institution was changed from Northwest Nazarene College to Northwest Nazarene University in 1999.

The university presently offers undergraduate majors in 33 areas and master's programs in eight disciplines. In addition to programs on its home campus, NNU students may study in cooperative programs in 10 countries around the world. Northwest Nazarene University serves approximately 1,350 undergraduate students, 600 graduate students, and 9,000 continuing education students each year.

Campus

The university is located in Nampa in the Boise, Idaho, metropolitan area. The area provides many urban and rural advantages. The altitude of 2,500 feet, the year-round mild climate, and the rich, fertile Treasure Valley surrounding the campus are assets. Visitors come from distant places to attend conferences and to enjoy Idaho's skiing, hunting, and fishing areas. People are discovering and enjoying Idaho, the Gem State.

The campus, with its 34 buildings, covers 85 acres in the south part of Nampa. The campus has been carefully planned for maximum use and development.

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. It is accredited by the Northwest Commission on Colleges and Universities, an institutional accrediting body recognized by the Council for Higher Education Accreditation. In addition to regional university accreditation, several 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 School of 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.

The university is a member of the American Association of Colleges for Teacher Education, The Association of Governing Boards, the Council for Christian Colleges and Universities, the Institute for Holy Land Studies, the Nazarene Association of Colleges for Teacher Education, and the Nazarene Association of Schools and Colleges.

Mission

The essential mission of the university is the development of Christian character within the philosophy and framework of genuine scholarship.

Northwest Nazarene University is a Christian comprehensive university with a liberal arts philosophy of education. NNU is fully committed to an educational process that pursues both intellectual and spiritual development. This pursuit is centered firmly in the Person of Jesus Christ, and is designed to instill a habit of mind that enables each student to become God's creative and redemptive agent in today's world.

Relationship to the Church

The task of the university, as an institution of the Church of the Nazarene, will be to serve the church by providing an educated laity and ministry, loyal to Christ, and by emphasizing the Wesleyan doctrine of perfect love. Its theological programs, based upon the doctrines set forth in the *Manual* of the Church of the Nazarene, will conserve, maintain, advocate, and promulgate the New Testament doctrine of entire sanctification or Christian holiness.

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 Testament 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 2005-2009)

Institutional Outcomes

Northwest Nazarene University will endeavor to fulfill its mission through the following institutional outcomes:

Christlike Character

NNU students will grow toward Christlikeness: demonstrating ethical behavior, loving and respecting others, offering grace as they have received it, building up the community of Christ, and representing Christ to the world.

Academic Excellence

NNU students will demonstrate understanding and appreciation of the liberal arts, expertise in a major field of study, and professional growth. Throughout their lives they will endeavor to reach their potential and be transformed by their pursuit of knowledge about God and creation.

Creative Engagement

NNU students will apply their natural gifts and acquired knowledge to respond creatively to life: producing original works of art, new synthesis of knowledge, novel expression of ideas, and inspired solutions to problems—in the home, the workplace, the church, and the greater community.

Social Responsiveness

NNU students will be faithful stewards of their knowledge, skills, and resources, and be agents of social justice and divine mercy. Compassionately they will show love for people of all faiths and cultures, and identify with and advocate for those in need-- locally and globally.

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 outcomes, NNU has grouped the academic objectives into three categories.

Acquisition of the following skills and knowledge bases helps to equip NNU students for demonstrating the four institutional outcomes:

I. Abilities of the Liberally Educated

Students will develop abilities that enable them to function well at the university and after graduation. Students will be able to:

1. Think logically, analytically, creatively, and independently.
2. Read, write, speak, and listen effectively.
3. Understand and use quantitative operations in problem solving.
4. Understand and use contemporary technology.
5. Practice good patterns of physical, psychological, social, and spiritual well being.
6. Understand and appreciate a Christian liberal arts education.

II. Contextual Disciplines of the Liberally Educated

Students will develop a world view informed by Christian perspectives that provides the context for further studies in the liberal arts. Such a viewpoint requires that students gain:

1. An understanding of the advancement of civilization.
2. An understanding of the human condition.
3. An understanding of the content and message of the Bible.
4. An understanding of the major doctrines of the Christian faith from a Wesleyan perspective.
5. A philosophy of life that integrates one's Christian faith with one's understanding of the world.

III. Explorations of the Liberally Educated

Students will explore the world of knowledge as described by the many disciplines of the university. Such explorations will lead to:

1. An understanding of the natural world.
2. An understanding of human expression through the arts.
3. An understanding of human expression through literature.
4. An understanding of one's individual identity as part of the complex of all human activity and relationship.

Academic Organization

Direction and encouragement for the achievement of the academic objectives are provided in programs offered by the six schools of the university: Arts, Humanities, and Social Sciences; Business; Education, Social Work and Counseling; Nursing and Health Sciences; Science and Mathematics; and Theology and Christian Ministries.

Two additional academic units are: Extended University Services, which offers continuing education and professional advancement opportunities; and Learning Resources.

The academic objectives, programs, and course descriptions are described for each school in the subsequent pages of this catalog.

University Learning Resources

Academic Advising and Testing

The Office of Academic Advising is responsible for oversight of the academic advising and schedules for all freshman students. The Academic Advising Office endeavors to enhance the educational experience of each student through assistance in discovering his or her abilities, interests, and career objectives. All students are encouraged, particularly during their freshman year, to meet with the director of academic advising to review their personal and career goals in relationship to their test scores and academic record. Student progress is monitored each semester and the Academic Advising staff counsels those encountering difficulties.

The university also provides special advising to learning disabled students who wish to identify themselves and provide documentation of their needs. Such students should contact the advisor for learning disabled students.

The Office of Testing administers the CAAP, ACT, and COMPASS mathematics and English tests and proctors correspondence course examinations for current students. The results are made available to the individual student and/or the appropriate advisors. The Office of Testing also administers the PRAXIS exams on national test dates.

Academic Support Center

The Academic Support Center supports the entire academic program by providing students with the Writing and Study Skills Centers, Peer Tutoring Service, the Advisor to Students with Learning Disabilities and Supplemental Instruction. All NNU students are provided with a variety of academic services free of charge. These services include writing consulting, subject area tutoring by peers, courses for credit (study methods, writing, reading, mathematics, and computer applications), academic counseling, and accommodations for learning disabilities. Supplemental instruction is offered for selected courses. The Center is located on the lower level of the Administration building and provides a comfortable, open study area, a small computer center where students may work with writing consultants, and individual study rooms. Students are welcome to utilize the Center to study on their own or in groups. For a detailed description of the courses offered see course listings under Study Skills (STSK).

Information Technology

The mission of the Department of Information Technology is to provide the University with integrated, broadly accessible computer and telecommunication resources in order to make information and resources available to users when and where they need it.

Computers

University computer systems are available to provide learning and teaching resources for students and faculty in all academic areas. Desktop computers running the Windows XP operating systems are distributed throughout the campus to provide access through a Novell network to internet, E-mail, Microsoft Office suites, and specific software programs that are applicable to academic departments. Several computer labs support the general student population. An additional Macintosh lab is provided for graphic arts and music majors. Kiosks for short-term use across the campus are available also.

The following teams within the Department of Information Technology help to service computer needs on the NNU campus:

Network Services

The following are provided by this team:

- Computer accounts: Using a secure login, students may check their personal information, such as grades, student bills, NNU E-mail account and other information.
- High-speed internet service: A network port is available for each person residing in the main residence halls and in some campus apartments.
- Wireless network connection: Access throughout the entire campus after registering a wireless-capable personal computer on the network.

Technical Response Center

This team provides critical individual, program and institutional academic computing services. These include training and consultation on information technologies for NNU students and employees, as well as print management for the campus. Academic Computing also provides technical support to the students and employees of NNU through the Technical Response Center.

Administrative Services

This team provides NNU students and employees with timely and appropriate access to institutional data, and makes sure this data is secure, reliable, and is as up-to-date as possible. Students may access their personal student information by using a web browser at my.nnu.edu.

Telecommunications

Offices are equipped with a state-of-the-art VOIP phone system. Students may request a campus phone extension and voice mail. Students must provide their own telephone and long distance service. Long distance service may be obtained through prepaid phone cards, cell phones and local long distance providers.

John E. Riley Library

Vital to the educational and intellectual life of the university, the John E. Riley Library contains circulating and reference collections of almost 125,000 books and currently receives thousands of electronic and print 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. 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 57,000,000 additional books and other library 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 in addition to campus networked computers.

The University Archives, located in the lower level of the Library, contains items pertaining to the history of the University. Use of the Archives is by appointment only.

Media Technology

Media Technology, located in the Wiley Learning Center, room 119, offers a wide variety of audio/visual services for the campus. Services offered include making photocopies and transparencies, sending and receiving faxes, providing materials to produce signs and instructional materials, laminating, audio duplicating and recording, video duplicating and recording, photography and other related services. Media Technology sells a wide range of supplies including graphic arts and production materials, blank audio and video tapes, and storage media. Additional computer print credit may also be purchased at Media Technology.

The Media Technology facilities include audio/visual viewing rooms and work stations, audio and video recording studios and a photographic studio. Media Technology maintains a library of video, tapes, and DVDs for instructional use by faculty members and students. A wide variety of audio/visual equipment and materials are available for classroom instruction, for student assignments, and for use by other members of the campus community. Media Technology provides audio/visual equipment for classroom use at no charge and rents audio/visual equipment and laptop computers to the campus community.

Wesley Center for Applied Theology

The Wesley Center for Applied Theology 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 Center administers programs that:

1. promote scholarly study, research, understanding, and appreciation of the Wesleyan tradition and its applications to academic disciplines, campus sectors, churches, and social structures;
2. provide church leaders with information and resources, and equip them to lead in spiritual development that is necessary for healthy church growth;
3. identify, analyze, and respond to conditions and perspectives that degrade humans, create dependency, and contribute to avoidance of responsible behavior; and,
4. develop on-line master classes which will further ministry education and enhance ministry skills.

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 physical disabilities should be directed to the Office of Academic Advising, and inquiries concerning accommodations for students with learning disabilities should be directed to the Learning Disabilities Advisor in the Academic Support Center. 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 provide the basis for computing an academic core grade point average (GPA) that will be used for advising purposes. These 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. Write or e-mail the Office of Enrollment Services, NNU, 623 Holly Street, Nampa, ID 83686-5897, or [admissions\(at\)nnu.edu](mailto:admissions(at)nnu.edu), for information and an application packet, or submit an internet application at www.nnu.edu.
2. Complete the application for admission and return it with the \$25 application fee to the Office of Enrollment Services.
3. Request transcripts for all high school, college, and university work to be sent directly to the Office of Enrollment Services.
4. Complete all additional forms included in the application packet and return them to the Office of Enrollment Services 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 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 an official transcript from all colleges and universities previously attended be sent to the Office of Enrollment Services. 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, have passed the GED, or have taken and passed an approved Ability to Benefit (ATB) test by submitting transcripts or results of the GED or ATB test in order for NNU to determine eligibility for federal funds.

International Students

Students from countries outside the United States for whom English is not the native language are normally required to take the Test of English as a Foreign Language (TOEFL) administered by the Educational Testing Service, Box 955, Princeton, NJ 08540. Students must receive a minimum score of 80 on the TOEFL (IBT), with a minimum of 20 on each subsection, to be admitted to the university. A minimum score of 550 is required for the TOEFL paper exam and a minimum score of 213 is required for the TOEFL (CBT).

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.

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 upon request from the Office of Enrollment Services. 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 Enrollment Services.

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 870 or above on the Math and Critical Reading sections of 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 Education 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 870 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 above 17), MATH 0900 Essential Mathematics (unless the ACT math score was above 19), 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 3.0 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 as any other NNU freshman applicant, which includes 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 Equivalency Diploma (GED) 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 11 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 School students should contact the NNU Center for Professional Development 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.

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

Unclassified students may be admitted to classes as Temporary Non-Degree students, provided they give evidence of possessing the requisite ability. To apply as a Temporary Non-Degree student she/he 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 required to do the same work as required of regularly classified students, except in the case of those who may be granted permission 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 application during the Spring semester of the freshman year to the Department of Nursing.

Admission to Teacher Education

Admission to Teacher Education 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

1. Show proof of high school graduation, or proof of 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 you retain your space in the incoming class (see Deposits and Fees).
4. Be an active participant as your class schedule is prepared in the Office of Academic Advising. Indicate your acceptance of the schedule when requested.
5. Complete and return 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 at www.nnu.edu/catalog. 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 as part of the consideration of 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 from Churches of the Nazarene, businesses, and 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 also require a fee for specialized instruction, such as private lessons, transportation, equipment, and**

supplies. These charges are detailed in the annual supplement (“Calendar and University Costs”), which become a part of the catalog.

Payment

Payment and/or satisfactory financial arrangement of the balance due on a student’s account must be completed by August 15, 2010, for fall semester, and January 3, 2011, 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 September 1, 2010, for fall semester and January 12, 2011, 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 15, 2010, for fall semester and January 3, 2011 for spring semester (due dates referenced above).

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 November 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 July 15	50% Refund
By July 16 and thereafter	No Refund
Date of Cancellation for spring semester	Amount of Refund
By November 15	Full Refund
By December 15	50% Refund
By December 16 and thereafter	No Refund

Books and Supplies typically average about \$500 per semester and are available for purchase in the university bookstore.

Incidental charges may be expected at registration time to cover such items as the yearbook picture fee, residence hall key deposit, and refrigerator rental, microwave rental, etc.

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.

There are no refunds for incomplete independent study or correspondence courses. There are generally no refunds for enrolled students withdrawing solely from the dorm after the last day to add courses. There are prorated refunds for withdrawing solely from the board plan after the start of the semester.

Refund Distribution: Students who withdraw from NNU and have received federal financial aid may be required to return all or part of that aid based on the percent of the semester that the student is no longer enrolled. When a refund to federal programs is required, following is the refund distribution:

1. Unsubsidized Federal Stafford Loan
2. Subsidized Federal Stafford 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

No refund is made to the student when all charges have been met by federal or institutional aid, or when the amount of refund exceeds cash payment made by 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.

Repayment of Unearned Aid: Students who receive federal financial aid and withdraw from NNU may be required to repay the appropriate program a percentage of their unearned aid. The responsibility to repay unearned aid is shared by NNU and the student in proportion to the aid each is assumed to possess. NNU’s share is the lesser of:

1. The total amount of unearned aid,
2. NNU’s charges multiplied times the percentage of aid that was unearned, and,
3. NNU’s share is allocated among the Title IV programs in an order specified by law.

The student’s share is the difference between the total unearned aid and NNU’s share. After the student’s share is fully allocated among any of the Title IV loan programs, any amount owed to a federal grant program is reduced by half.

Student Financial Aid

In an effort to assist students in their pursuit of a comprehensive Christian education, NNU is committed to providing scholarships, awards, grants, allowances, state and federal funds (Title IV aid) to its 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, allowances, 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 have to apply for aid from NNU and from federal sources every year. The following information will explain this process in more detail. Returning students will need to secure the appropriate application(s) for scholarships from the Financial Aid Office, Northwest Nazarene University, 623 Holly Street, Nampa, ID 83686-5897 during January each year. Scholarship applications may also be obtained in the student's departmental office during January. All institutional scholarships, grants, awards and allowances are considered when determining a student's minimum financial aid award offer.

Demonstration of Need for Aid - Northwest Nazarene University uses the Free Application for Federal Student Aid (FAFSA) to determine a student's eligibility for federal aid. The FAFSA is the document colleges use to determine the family's ability to pay and resulting need. Students should submit a copy of the FAFSA to the federal processor indicating that Northwest Nazarene University should receive this information by inserting NNU's federal school code, 001624, into the appropriate question. The FAFSA can be completed at www.fafsa.ed.gov and should be filed as early as possible after January 1st each year for the following school year.

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. Non-traditional accelerated degree-seeking students receive one-third of the year's total award each semester (fall, spring, summer).

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 mailed to each student with the offer of financial aid each year. It is also available through the Financial Aid Office or at www.nnu.edu/sap.

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

Restriction: The Financial Aid Office sets a maximum amount (cost of attendance per school year) that a student cannot exceed in total aid received for that year. In certain cases where the maximum cost of attendance is exceeded, the Financial Aid Office will reduce aid until the total amount given/borrowed is below or equal to the cap set on cost of attendance.

Institutional 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. If any additional application forms are required, they are generated from the Application for Admission and Financial Aid. First-time freshman should mark the applications they wish to receive on this form. The majority of NNU's endowed and departmental scholarships are awarded to select students who meet the required criteria of individual scholarships after one year of attendance at NNU.

Requirements: All scholarship recipients are to be enrolled full-time, have a minimum cumulative grade point average of 2.00 (or higher, if so indicated), and meet any other eligibility requirements detailed in the criteria of the scholarship.

Restrictions: 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. Non-traditional, accelerated degree-seeking students receive alternative benefits and are not awarded scholarships or allowances offered by the university. Federal funding is the main source of aid for students pursuing a degree through an accelerated non-traditional program.

Awards

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 \$325 received from the church during the 2010-2011 academic year. This applies to Nazarene and non-Nazarene churches located in the Northwest Education Region. NNU will match a church award until work is completed on the first bachelor's degree for a traditional full-time undergraduate student.

NYI Awards: NNU will match cash awards given by District Nazarene Youth International organizations of the Northwest Education Region for music or activity competition at the district level. The maximum amount that may be matched is \$500 per academic year.

Allowances

Eligibility for university allowances generally requires a student to be enrolled full-time.

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.

Nazarene Tuition Remission Allowance: Dependents of full-time faculty and first-line administrators at U.S. and Canadian Nazarene colleges/universities or Nazarene Theological Seminary are eligible and should apply for up to a full tuition allowance. The requirements as described by the General Church Department of Education and NNU are in force for this allowance. Applicants must provide a signed Tuition Remission Recommendation Form from the institution where the parent is employed.

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, pastoral staff, District Superintendent, or Assistant District Superintendent serving the Northwest Educational Region (or outside of any other Nazarene education region). The definition of "dependents" will be consistent with the U.S. Department of Education definition when awarding federal funds and includes those under 25 years of age. Full-time missionaries and military chaplains on active duty and their dependents are also entitled to this allowance.

Full-time Christian workers, both defined in terms of their service and location by the above paragraph, may receive this allowance or a prorated professional allowance for less than full-time enrollment while attending Northwest Nazarene University. This allowance would be granted to those full-time Christian workers who are pursuing course work leading to their first baccalaureate degree in a traditional undergraduate program.

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 one-half tuition reduction.

Federal Grants

The United States Government, through the Department of Education, has made funds available for several Federal grant programs. For Pell, LEAP and SEOG awards, available funds are allocated on the basis of greatest financial need to applicants filing by the designated dates. Because such need is a confidential matter between the family and the university, public announcement of the grant recipients and award amount is not made. Student transcripts, FAFSA's, and other information are reviewed annually to determine eligibility for ACG and SMART awards.

Federal Pell Grant: All undergraduate students are urged to apply for the Federal Pell Grant. Eligibility is determined by completing the Free Application for Federal Student Aid (FAFSA). The FAFSA can be submitted online at www.fafsa.ed.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.

Leveraging Educational Assistance Partnership Program (LEAP) and Federal Supplemental Educational Opportunity Grant (SEOG). These grants are awarded to students with financial need as evidenced in the filing of the Free Application for Federal Student Aid. Eligibility for the SEOG is also contingent upon receiving the FAFSA information by the school's priority filing deadline of March 1st.

Academic Competitiveness Grant (ACG). The Academic Competitiveness Grant provides up to \$750 for the first year of undergraduate study and up to \$1,300 for the second year of undergraduate study. The Academic Competitiveness Grant award is in addition to the student's Pell Grant award. In order to be eligible for this grant, a student must be a US citizen, Federal Pell grant eligible, enrolled full-time in a degree program, in his or her first or second year of a program of study, completed a rigorous secondary school program of study and as a second-year student must have at least a cumulative GPA of 3.00.

National Science and Mathematics Access to Retain Talent Grant (SMART). The National SMART Grant provides up to \$4,000 for each of the third and fourth years of undergraduate study. The National SMART Grant award is in addition to the student's Pell Grant award. In order to be eligible for this grant, a student must be a US citizen, Federal Pell grant eligible, enrolled full-time as a third or fourth year student in a baccalaureate degree program, have at least a cumulative GPA of 3.00, and be enrolled in an eligible major.

Federal Loans

The Federal Perkins and Subsidized Stafford 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.

Subsidized Federal Stafford Loans: These are low-interest federal loans borrowed through a bank or the federal government used to help pay for educational expenses. Applications are available through the Financial Aid Office and are sent with award letters if a completed FAFSA has been received by NNU. Repayment begins 6 months after graduation or discontinuance of at least half-time, degree-seeking enrollment.

Unsubsidized Federal Stafford Loans: Students who do not qualify or only qualify for part of the Subsidized Stafford Loan may apply for the Unsubsidized Stafford 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.

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.

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. To view current openings 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 be eligible to participate in this program. Eligibility is determined by a Financial Aid Office review of the completed FAFSA information, cost of attendance, and other aid and 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.

Idaho State Work Study Program: Students working off-campus in jobs that are closely related to their major field of study and who show “need” may be eligible to participate in this program. Contact the Financial Aid Office for further details.

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.

Financial Aid for Study Abroad Opportunities

Students considering Study Abroad Programs may be eligible to receive federal financial aid to help pay educational related expenses. The following conditions are required to receive federal financial aid:

1. Student must be admitted to a program leading to a degree.
2. Student must be making satisfactory academic progress.
3. Student must enroll in a program of study abroad that is approved for credit at NNU.
4. Student must be eligible to receive federal financial aid.
5. Student must complete a Free Application for Federal Student Aid (FAFSA) for eligibility to be determined.

Contact the Financial Aid Office or Registrar’s Office for additional information. Other types of aid will be reviewed on a case by case basis to determine the student's eligibility for such awards while studying abroad. Many types of institutional aid are not available for study abroad programs. Check with the Financial Aid Office for specifics.

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 any student loan, the total amount that must be repaid, length of the repayment 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 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 Financial Aid Office.
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 Stafford Loan.
8. Notify the university of a change in name, address, or attendance status. If a student has a Federal Stafford Loan, they must also notify their lender of these changes.
9. Satisfactorily perform the work agreed upon in a Federal College Work Study job.

Fee Page

2010-2011 School Year

Tuition

	Cost Per Semester	Cost Per Year
12-19 Undergraduate Semester Credits	\$ 11,405	\$ 22,810

(Less than 12 or more than 19 — \$988 per semester credit)

Post-Baccalaureate/NNU Graduate \$494 per semester credit

Post-Baccalaureate/non-NNU Graduate \$988 per semester credit

Graduate Studies Tuition

Contact the following Graduate Studies Offices for Tuition Rates:

Education	(208) 467-8341
Counseling	(208) 467-8345 toll free (888) 901-7366
Reading	(208) 467-8366
MBA	(208) 467-8123 toll free (887) NNU-4-MBA
Nursing	(208) 467-8642
Religion	(208) 467-8432
Social Work	(208) 467-8679
Step Degree Completion Program	(208) 467-8100 toll free (877) NNU-4-BIZ

Fees

	Cost per Semester	Cost per Year
Undergraduate enrolled in 12 or more credits	\$ 140	\$ 280
Health clinic and accident insurance	\$ 20	
Student Government Association	\$ 85	
Registration	\$ 10	
Athletic Facilities	\$ 25	
Undergraduate enrolled for 6-11 credits		
Student Government Association	\$ 45	
Registration	\$ 10	
Athletic Facilities	\$ 15	

Undergraduate enrolled for 1-5 credits

Registration	\$ 10
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Special Fees

Key deposit	\$ 10
Dorm dues	\$ 25 per semester(paid with tuition payment)
Contingency deposit	\$ 50 a one time refundable deposit
University credit by exam	\$100 per exam (plus \$330/credit)
Non-credit fee per course credit	\$ 40
Undergraduate graduation fee	\$ 50
Late payment and/or late registration fee	\$100
Return check fee	\$ 10

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: \$494 per semester credit.

Board And Room

Room cost is for a single student in a shared dorm room. 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
Platinum Meal Plan and Single Student in Shared Dorm Room	\$ 3,010	\$ 6,020

This meal plan offers students unlimited entries/meals per day and week. Dining hall hours are Monday - Friday from 7:00a.m. to 10:00p.m. The dining hall operates on reduced hours Saturday and Sunday. 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.

Annual Cost For Tuition, Fees, Room And Board

	Cost Per Semester	Cost Per Year
Tuition	\$ 11,405	\$ 22,810
Fees	140	280
Room and Board	3,010	6,020
Total	\$ 14,555	\$ 29,110

Statement of Charges

Students will receive a Student Data Sheet (SDS) 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 subsidized and unsubsidized Stafford loan, Plus loan, 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.

Undergraduate Degree Requirements

Northwest Nazarene University offers the Bachelor of Arts and the Bachelor of Science degrees. Majors are offered in 35 fields of study. To qualify for a bachelor's degree at NNU, the student must satisfy the nine (9) 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 43 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 standard or honors 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 application should be placed on file with the registrar the beginning of the semester prior to the semester in which the student plans to graduate.
9. Favorable Vote of Faculty. The names of students nearing completion of their programs will be presented for review to the faculty of the university. A favorable two-thirds vote of the faculty is required before an NNU degree is granted.

The Standard General Education Program

According to our 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, and traditions of humanity 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 (55 credits)

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

Abilities	17 credits	Cr.
ENGL1020	English Composition	3
ENGL2020	Research Writing and Critical Thinking	3
COMM1210	Intro to Public Speaking	2
KINE1000	Fundamentals of Wellness	1
KINE1020	Heart Healthy Activity	1
KINE1030	Lifetime Sport Activity	1
MATH1100	Liberal Arts Mathematics (or an approved alternate course)	3
HUMN1010	Cornerstone	3
Contextual	15 credits	
BIBL1100	Intro to Biblical Studies	3
THEO2100	Intro to Christian Theology	3
PHIL	Approved Philosophy Elective	3
HIST	Approved U.S. History Elective	3
HIST	Approved non-U.S. History Elective	3
	Cross-Cultural Requirements	
	Cross-Cultural Experience(s)	
	Awareness Seminar	
	Reflection Paper	

Explorations	23 credits	
ARDE/MUSC	Approved Art History or Music Lit Elective	3
ENGL	Approved Literature Elective	3
BIBL/THEO	Approved Bible Lit or Theology Elective	3
Science	Seven credits of science to include one laboratory	7
Social Science	Two areas from the following to total 6 credits:	6
	Economics (ECON)	
	Geography (GEOG)	
	Political Science (POLS)	
	Psychology (PSYC)	
	Approved Communications Elec	
HUMN4010	Capstone	1

To complete the General Education Program at Northwest Nazarene University, the student must take 55 semester credits of courses distributed in three categories. The categories with the number of credits required in each are:

I. Abilities (17 credits)

All courses in this category must be passed with a grade of C- (1.700) or higher.

ENGL1020. English Composition (3)

To be completed by end of first year of residence

ENGL2020. Research Writing and Critical Thinking (3)

To be completed by end of second year of residence

COMM1210. Introduction to Public Speaking (2)

Or: COMM3210. Advanced Public Speaking (3)

KINE1000. Fundamentals of Wellness (1)

KINE Activity Courses - Two different courses (2)

One must be a heart healthy activity

KINE1020. Heart Healthy Activities (1)

KINE1030. Lifetime Sport Activities (1)

The following courses count for General Education KINE activity requirements:

KINE1010, KINE1020, KINE1030, KINE1240, KINE2500, (KINE majors only may take KINE2640)

Mathematics Competency (3)

MATH1100. Liberal Arts Mathematics (3); or, a higher level mathematics course; or, one of the following quantitative courses approved by the General Education Council.

BSNS2330. Math for Business and Finance (3);

BSNS3330. Mathematics for Business and Finance (3);

KINE4520. Tests and Measurements in Physical Education (3);

PSYC3640. Experimental Design and Statistical Analysis I (3)

Prerequisite: A student must have an ACT mathematics score of 21 or above, an SAT score of 550 or above, or must have successfully completed MATH0900 or the equivalent.

HUMN1010. Cornerstone (3)

To be successfully completed by the end of the first year in residence

II. Contextual Disciplines (15 credits)

BIBL1100. Introduction to Biblical Studies (3)

To be completed during first 3 semesters of residence, must be completed with a grade of C- or better.

THEO2100. Introduction to Christian Theology (3)

To be completed by the end of the fifth semester in residence, must be completed with a grade of C- or better.

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 or THEO elective. Students transferring as seniors (90 credits) must complete only THEO2100.

Philosophy elective (3)

Select one course from:

- PHIL2010. Introduction to Philosophy (3)
- PHIL2020. Ethics (3)
- PHIL3010. History of Ancient and Medieval Philosophy (3)
- PHIL3020. History of Modern Philosophy (3)
- PHIL3060. Critical Reasoning (3)
- PHIL3510. Philosophy of Science (3)
- PHIL3600. Clinical Ethics (3)

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

Select one U.S. history option 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 option from:

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

Cross-Cultural Experience

- 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:

- Participation in one face-to-face Cross-Cultural Awareness Seminar (4 hrs, no credit) prior to participating in a cross-cultural experience; **and**
- Approved travel (e.g., cross-cultural semester abroad, 2 week mission trip); **and**
- A ten page paper reflecting on the cross-cultural experience; **or**

Students who have lived overseas after the age of seven for at least 1 year.

Tier II Experiences:

Participation in one face-to-face Cross-Cultural Awareness Seminar (4 hrs, 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**

Participation in one on-line Cross Cultural Awareness Seminar; and

Any of the following approved courses (which includes 10-15 contact hours and a 5 page paper):

- BSNS4600. Global Business Strategies (3)
- CRIM4450. Culture and Criminal Justice (3)
- EDUC2250. Cultural Diversity in Education (2)
- EDUC3310. Teaching the Bilingual/Bicultural Child (1)
- EDUC3410. Content Literacy in Secondary Classrooms (3)
- FREN1020. Elementary French (4)
- FREN2010. Intermediate French (4)
- FREN2020. Intermediate French (4)
- FREN3010. Advanced Conversational French (3)
- NURS2000. Health Assessment and the Promotion of Family Health (5)
- NURS3020. Family Mental Health (3)
- NURS4010. The Family Within the Community (4)
- PRTH3750. Compassionate Ministries (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:

Participation in one on-line Cross-Cultural Awareness Seminar prior to 10 hours of approved cross-cultural contact experience; and

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

Participation in one on-line Cross Cultural Awareness Seminar; and

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

- FREN1010. Elementary French (4)
- KINE3630. Corrective and Adaptive Physical Education (2)
- REST3560. World Religions: Asian Traditions (2)
- REST3570. World Religions: Western Traditions (2)
- SOGY1010. Exploring Cultural Anthropology (3)
- SOGY2030. Cultural Anthropology I (2)
- SOGY2040. Cultural Anthropology II (2)
- SPAN1010. Elementary Spanish (4)
- SOWK2851. Human Behavior and the Social Environment II (2)

III. Explorations (23 credits)

Humanities Electives (one course must be taken from each area) (6)

Art History/Music Literature Elective

- ARDE1010. A Survey of Art and Music (3)
- ARDE1190. Introduction to the Visual Arts (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)
- MUSC3750. Symphonic Literature (1)

Literature Elective

- 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)

Upper-division Bible Literature or Theology (3)

(BIBL, THEO prefixed courses)

Science Electives with one lab requirement (7)

Science (BIOL, CHEM, NSCI, PHYS prefixed courses)

Social Science (6)

Select two areas from the following:

- Economics (ECON prefixed courses)
- Geography (GEOG prefixed courses)
- Political Science (POLS prefixed courses)
- Psychology (PSYC prefixed courses)
- Sociology (SOGY prefixed courses)
- COMM2030. Interpersonal Communication (3)

HUMN4010. Capstone (1)

The Honors General Education Program

Open only to students in the honors program

Honors General Education Requirements at a Glance (55 credits)

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

Honors	8 credits	Cr.
HUMN2500	Western Intellectual Traditions	2
HUMN2510	Western Intellectual Traditions	2
HUMN2520	Western Intellectual Traditions	2
HUMN2530	Western Intellectual Traditions	2
Abilities	12 credits	
ENGL2020	Research Writing & Critical Thinking	3
KINE1000	Fundamentals of Wellness	1
KINE1020	Heart Healthy Activity	1
KINE1030	Lifetime Sport Activity	1
MATH1100	Liberal Arts Mathematics (or an approved Math Competency Course)	3
HUMN1010	Cornerstone	3
Contextual	12 credits	
BIBL1100	Introduction to Biblical Studies	3
THEO2100	Introduction to Christian Theology	3
HIST/PHIL	Approved non-U.S. History or Philosophy Elective	3
HIST	Approved U.S. History Elective	3
	Cross-Cultural Requirements:	
	Cross-Cultural Experience(s)	
	Awareness Seminar	
	Reflection Paper	
Explorations	23 credits	
ARDE/MUSC	Approved Art History or Music Lit Elective	3
ENGL	Approved Literature Elective	3
BIBL/THEO	Approved Bible Lit or Theology Elective	3
Science	Seven credits science to include one lab	7
Social Science	Two areas from the following to total 6 credits:	6
	Economics (ECON)	

Geography (GEOG)		
Political Science (POLS)		
Psychology (PSYC)		
Approved Communications Elective		
HUMN4010	Capstone	1

To complete the honors General Education Program at Northwest Nazarene University, the student must complete HUMN2500, 2510, 2520, and 2530, and 47 semester credits of courses distributed in three categories. The categories with the number of credits required in each are:

I. Abilities (12 credits)

All courses in this category must be passed with a grade of C- (1.700) or higher.

ENGL2020. Research Writing and Critical Thinking (3)

To be completed by end of second year of residence

KINE1000. Fundamentals of Wellness (1)

KINE activity (KINE1020 or KINE1030 courses) - Two different courses (2)

One must be a heart healthy activity

KINE1020. Heart Healthy Activities (1)

KINE1030. Lifetime Sport Activities (1)

The following courses count for General Education KINE activity requirements:

KINE1010, KINE1020, KINE1030, KINE1240, KINE2500, (KINE majors only may take KINE2640)

Mathematics Competency (3)

MATH1100. Liberal Arts Mathematics (3); or, a higher level mathematics course; or, one of the following quantitative courses approved by the General Education Council.

BSNS2330. Math for Business and Finance (3);

BSNS3330. Mathematics for Business and Finance (3);

KINE4520. Tests and Measurements in Physical Education (3);

PSYC3640. Experimental Design and Statistical Analysis I (3)

Prerequisite: A student must have an ACT mathematics score of 21 or above, an SAT score of 550 or above, or have successfully completed MATH0900 or the equivalent.

HUMN1010. Cornerstone (3)

To be successfully completed by the end of the first year in residence

II. Contextual Disciplines (9 credits)

BIBL1100. Introduction to Biblical Studies (3)

To be completed during first 3 semesters of residence, must be completed with a grade of C- or better.

THEO2100. Introduction to Christian Theology (3)

To be completed by the end of the fifth semester in residence, must be completed with a grade of C- or better.

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

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

Select one Philosophy or Non-U.S. History Elective from:

- HIST1030. The World and the West I (3)
- HIST1040. The World and the West II (3)
- HIST3480. Modern Europe (1800-Present) (3)
- PHIL2010. Introduction to Philosophy (3)
- PHIL2020. Ethics (3)
- PHIL3010. History of Ancient and Medieval Philosophy (3)
- PHIL3020. History of Modern Philosophy (3)
- PHIL3060. Critical Reasoning (3)
- PHIL3510. Philosophy of Science (3)
- PHIL 3600. Clinical Ethics (3)

U.S. History Elective (3)

Select one U.S. history option 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)

Cross-Cultural Experience

- 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:

Participation in one face-to-face Cross-Cultural Awareness Seminar (4 hrs, no credit) prior to participating in a cross-cultural experience; **and**
Approved Travel (e.g., cross-cultural semester abroad, 2 week mission trip); **and**
A ten page paper reflecting on the cross-cultural experience; **or**

Students who have lived overseas after the age of seven for at least 1 year.

Tier II Experiences:

Participation in one face-to-face Cross-Cultural Awareness Seminar (4 hrs, 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**

Participation in one on-line Cross Cultural Awareness Seminar; **and**

Any of the following approved courses (which includes 10-15 contact hours and a 5 page paper):

BSNS4600. Global Business Strategies (3)
 CRIM4450. Culture and Criminal Justice (3)
 EDUC2250. Cultural Diversity in Education (2)
 EDUC3310. Teaching the Bilingual/Bicultural Child (1)
 EDUC3410. Content Literacy in Secondary Classrooms (3)
 FREN1020. Elementary French (4)
 FREN2010. Intermediate French (4)
 FREN2020. Intermediate French (4)
 NURS2000. Health Assessment and the Promotion of Family Health (5)
 NURS3020. Family Mental Health (3)
 NURS4010. The Family Within the Community (4)
 PRT33750. Compassionate Ministries (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:

Participation in one on-line Cross-Cultural Awareness Seminar prior to 10 hours of approved cross-cultural contact experience; and
 A five page paper reflecting on the cross-cultural experience; **or**
 Participation in one on-line Cross Cultural Awareness Seminar; and
 Any of the following approved courses (which includes 5-10 contact hours and a 5 page paper):

FREN1010. Elementary French (4)
 KINE3630. Corrective and Adaptive Physical Education (2)
 REST3560. World Religions: Asian Traditions (2)
 REST3570. World Religions: Western Traditions (2)
 SOGY2030. Cultural Anthropology I (2)
 SOGY2040. Cultural Anthropology II (2)
 SPAN1010. Elementary Spanish (4)
 SOWK2851. Human Behavior and the Social Environment II (2)

III. Explorations (23 credits)

Upper-division Bible Literature or Theology (3)

(BIBL, THEO prefixed courses)

Humanities Electives (one course must be taken from each area) (6)

Art History/Music Literature Elective

ARDE1010. A Survey of Art and Music (3)
 ARDE1190. Introduction to the Visual Arts (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)
 MUSC3750. Symphonic Literature (1)

Literature Elective

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)
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)

Science Electives with one lab requirement (7)

Science (BIOL, CHEM, NSCI, PHYS prefixed courses)

Social Science (6)

Select two areas from the following:

Economics (ECON prefixed courses)
Geography (GEOG prefixed courses)
Political Science (POLS prefixed courses)
Psychology (PSYC prefixed courses)
Sociology (SOGY prefixed courses)
COMM2030. Interpersonal Communication (3)

HUMN4010. Capstone (1)

Honors Programs Note: Completion of the year-long Honors Program satisfies the following Standard General Education requirements, which are not listed above: ENGL1020. English Composition (3), COMM1210. Introduction to Public Speaking (2), a Philosophy elective, or a non-U.S history elective.

Majors Offered

Northwest Nazarene University offers undergraduate degrees in 35 majors. The degree requirements are given in this catalog in the section describing the sponsoring department. The majors offered are:

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

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 School 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 maximum of nine credits may be duplicated in the major or another minor. Fifty percent of the course credits must be taken at NNU, and fifty percent must be upper-division credits. Refer to the department for the specific requirements for each minor.

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:

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

Appeals Process

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 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 who have semester and cumulative grade point averages (GPA) at or above the university standard are considered to be in good academic standing. (1.75 for first year students, 2.0 for all others)

First year students who earn a cumulative GPA below 1.75 for two semesters will be academically suspended from the university.

After the first year of residency, if a semester GPA is below standard, the student will be notified via a letter stating that he/she is on "academic warning" status. Students on academic warning are considered to be in good academic standing. A student who earns a grade point average below standard for two consecutive semesters shall be placed on academic probation.

If the cumulative GPA falls below standard, the student will be placed on "probationary" status. Students on probation do not have good academic standing.

If, while on probation, a student earns a semester GPA that is below the university standard, the student will be academically suspended from the university.

If a student's grades were hindered by unforeseen circumstances, the student may appeal the suspension through written communication to the Academic Progress Committee. The process of appeal does not guarantee reinstatement.

Students who have been academically suspended may be reinstated after providing a transcript showing a minimum of 12 credits earned with a GPA of at least 2.0. Academic standing is determined by the student's Northwest Nazarene University cumulative grade point average.

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 outcomes of Christlike Character and Academic Excellence by fostering a spirit of honest intellectual inquiry. The University has identified as 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 for more than one course or assignment without prior written approval from the professor;
4. Using copyrighted material without appropriate citation or copying software or media files (such as music, movies, etc.) without permission;
5. Signing a roll sheet for another student who is not in class;
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, library (by hiding books, for example), or 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 reading assignments.
11. Altering, falsifying, or misrepresenting an academic document.
12. Helping someone alter or falsify an academic document.
13. Communicating false information whether oral, written, electronic or nonverbal.
14. Forging signatures.

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

At the instructor's discretion, depending on the nature of the offense, the student's grade or ability to earn credit for the course may be affected. All students who violate the principles of academic integrity will be reported to the appropriate academic school and the Vice President for Academic Affairs. Violations may also lead to further disciplinary action through the Academic School Dean in cooperation with the office of the Vice President for Academic Affairs. This report shall include a brief description of the offense. In serious cases, or cases that constitute repeat offenses, the student may be suspended or expelled.

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 upon completion of at least 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, which will apply toward a minimum 6-credit requirement in Theology and/or Biblical literature.

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 six (6) 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, even if such credit appears on the transcript from another institution. Original documentation is to be secured from ETS and these 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 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	MUSC1210 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 BI 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.	ENGL1020 English Composition	3
	English Elective (Not Literature)	3
English Lit./Comp.	ENGL1020 English Composition	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
	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.

Changes in Registration (Drop/Add)

Adding a course is permitted through the 4th 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.

Special Student refers to students who are allowed to attend NNU without submitting the credentials required for admission with regular status. Students under this status are allowed to register for six (6) or fewer credits during any semester except the Summer Session.

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
6000-7999	Graduate level courses

Students may enroll in a course numbered one level higher than their classification with the exception of the lowest quartile freshmen, and sophomores who have a cumulative grade point average less than 2.000.

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. 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 Education Right to Privacy Act (FERPA) enacted in 1979 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 nor invades student privacy. Students may request that directory information not be disclosed.

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

Non-Directory Information is personally identifiable information and is not given.

Student ID Number
Social Security Number*
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, indoor and outdoor track and field, and soccer.

Women – basketball, cross country, 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.

Grade Reports

Grades are distributed to students at the end of the semester through the "my.nnu.edu" web-based portal system. A parent will 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. Normally, 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 and the instructor concerned and upon payment of the non-credit fee, a student may enroll in approved courses on a non-credit basis. Senior citizens who are 60 years of age or older may enroll for courses each semester tuition-free, provided the section limit (if applicable) has not been reached. A person who enrolls in a course on a non-credit basis may not receive credit for it without re-enrolling for the course.

Semester Credit

One semester credit is a quantitative measure representing a class meeting once a week for 14 weeks for 60 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.

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 completion of a signed request in the Registrar's Office. 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 or Theology (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. **One Cross-Cultural Experience from any Tier**
 - f. **Math Competency**
MATH1100 Liberal Arts Mathematics (3 credits); or a higher level mathematics course;
or a quantitative course approved by the General Education Council
(An equivalent transfer course may be substituted for this requirement)
 - g. **Students who earned a grade of "D" from the transferring institution will be required to repeat the courses in which NNU requires a grade of "C-" or better.**

- h. **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 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 pre-requisites, 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 Holly Street, Nampa, ID 83686.

The minimum number of credits required to complete a degree is 124 semester credits of which 43 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 or Academic Advising and obtain approvals from the major advisor and office of Academic Advising. 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

Northwest Nazarene University Programs

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.

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 Curriculum Committee of the school in which that department is located must approve this plan. The plan will be presented to the Academic Council Undergraduate for monitoring and compliance. 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: Freshman Honors

This program, which provides an integrative learning experience for academically superior freshmen, is offered as an alternative to some of the general education requirements. The program introduces students to a unified and flexible approach to knowledge. It offers significant interdisciplinary learning experiences during the first year at NNU. Class structure includes team teaching and small discussion groups. Students accepted into the program form a cohesive learning group that stays together for the entire academic year. The screening and selection committee establishes specific program acceptance criteria. Enrollment is limited.

Graduation requirements for students in the honors program are the same except for the general education program.

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

Summer School

Summer School is designed to provide students with opportunities that will help complete or enhance their university degree by providing core and elective courses. Students may optimally plan their collegiate career with the assistance of their advisors. Potentially, some degrees could be achieved in three years with Summer School courses. Summer School could also help students avoid extra semesters. Incoming freshmen and transfer students are welcome to take Summer School classes at NNU.

Department Of Military Science

Coordinators: Major Rodney Nelson, Sergeant Major Clinton Beers

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 Corp (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 32-day summer leadership course or two years and two summer leadership courses.

A complete statement of requirements is available in the Military Science office.

Financial Assistance

Each advanced course student (Junior/Senior) receives an allowance of \$400 - \$500 per month for up to ten months during the school year for two years. Summer Leadership course pay is in addition to meals, quarters, medical/dental, and travel pay is \$775 (approximately). A uniform allowance of \$300 is paid to each commissioned student upon entry to active duty.

Off-Campus Programs

Council for Christian Colleges And Universities (CCCU)

Coordinators: Mark Gismondi, International Programs; Steve Shaw, U.S. Programs

For more information regarding all study abroad programs, please visit the History and Political Science Department's web site.

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.

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.

Contemporary Music Program (CMP)

The Contemporary Music Program 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.

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.

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.

Jerusalem University College

Coordinator: Wendell Bowes, Department of Philosophy and Religion.

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.

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 the 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.

Middle East Studies Program (MESP)

This program, based in Cairo, Egypt, allows Council students to explore and interact with the complex and strategic world of the modern Middle East. The interdisciplinary seminars give students the opportunity to explore the diverse religious, social, cultural and political traditions of Middle Eastern people. In addition to seminars, students study the Arabic language and work as volunteers with various organizations in Cairo. Through travel to Israel, Palestine, Jordan, Syria and Turkey, students are exposed to diversity and dynamism of the region. MESP encourages and equips students to relate to the Muslim world in an informed, constructive and Christ-centered manner at a time of tension and change. Students earn 16 semester hours of credit.

Russian Studies Program (RSP)

RSP students are exposed to the depth and diversity of the culture during a semester spent in Russia's three largest cities: Moscow, St. Petersburg and Nizhni Novgorod. In addition to three seminar courses entitled History and Sociology of Religion in Russia; Russian Peoples, Cultures and Literature; and Russia in Transition, students receive instruction in the Russian language, choosing either 4 or 6 semester hours of language coursework. For those choosing 4 hours of Russian, a seminar course, International Relations and Business in Russia, is available. RSP strives to give students as wide an experience as possible in this complex nation, beginning with time in Moscow, the heart of both medieval and modern Russia. Students then spend 12 weeks in Nizhni Novgorod, a strategic city on the Volga River. After six weeks of language instruction, students live with a Russian family for the remainder of their stay in this city. Students also participate in a service opportunity in Nizhni Novgorod. The program concludes with time in the complex and intriguing city of St. Petersburg, the Russian "window to the West." Students earn 16 semester hours of credit.

Summer Program – Oxford

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.

The Scholar's Semester at 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

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

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

Ambrose University College

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

European Nazarene College is located in the village of Büesingen, a German enclave on the northern border of Switzerland. The campus overlooks the Rhine River and is just an hour's drive from Zurich and two hours from the Alps. The college offers the Bachelor of Arts degree through affiliation with MidAmerica Nazarene University, and is accredited by the Northwest Commission on Colleges and Universities. It is an educational institution in the Wesleyan tradition, which exists to prepare laypeople and future pastors for ministry in the church. Courses are offered in Bible, biblical languages, church history, communications, ministry, missions, music, philosophy, social science, and theology. Most EuNC students come from countries in the Eurasia region - Europe, western Asia, the Middle East, and North Africa. Classes are in English.

Korea Nazarene University

Korea Nazarene University is a four-year university located in Chonan City about 40 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

Nazarene Theological College (NTC) of Australia is a sister university of Northwest Nazarene University. NTC 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.

Additional Off-Campus Study Programs

Africa Nazarene University

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.

Kazak-American Free University

Coordinator: Dr. Ronald R. Galloway, Department of Business and Economics.

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

Romania 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.

Universidad Internacional-Mexico

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.

Graduate Studies

Northwest Nazarene University provides graduate programs in business, education, counseling, Christian ministries, and social work. Additional information and a copy of the graduate catalog may be found on the NNU website at www.nnu.edu.

For program advising and graduate curricular questions please contact the following:

Masters Program	Director	Phone	E-mail
Business	Dr. Ron Galloway	(208)467-8123	mba[at]nnu.edu
	Prof. Brenda Johnson	(208)467-8415	mbaonline[at]nnu.edu
Teaching and Learning	Prof. Cathy Beals	(208)467-8250	tl[at]nnu.edu
Curriculum and Instruction	Prof. Cathy Beals	(208)467-8250	ci[at]nnu.edu
Educational Leadership	Dr. Mike Poe	(208)467-8341	el[at]nnu.edu
Exceptional Child	Dr. Karen Smucker	(208)467-8341	ec[at]nnu.edu
Counseling	Dr. Brenda Freeman	(208)467-8345	counseling[at]nnu.edu
Christian Education	Dr. Mark Maddix	(208)467-8368	mar[at]nnu.edu
Divinity (M.Div.)	Dr. Mark Maddix	(208)467-8368	mar[at]nnu.edu
Missional Leadership	Dr. Jay Akkerman	(208)467-8368	mar[at]nnu.edu
Pastoral Ministry	Dr. Jay Akkerman	(208)467-8368	mar[at]nnu.edu
Spiritual Formation	Dr. Jay Akkerman	(208)467-8368	mar[at]nnu.edu
Social Work	Professor Mary Curran	(208) 467-8679	msw[at]nnu.edu

Extended University Services

Course of study:

The Course of Study Online is ministerial training done via the computer. The 24 modules (courses) are provided by the Clergy Development Office of the Church of the Nazarene. Each module is produced by a recognized, experienced educator in the Church of the Nazarene. These modules are written for delivery in a classroom setting and are adapted for presentation online. The modules are offered as professional training which is distinct from the courses for academic credit offered by the University.

Module facilitators are ordained Nazarene pastors currently serving in Nazarene Churches throughout North America. Each holds a minimum of a Master's degree. Many have earned doctorates.

The COS Online program is open to anyone pursuing ordination in the Church of the Nazarene through the modular course of study program. The program is offered in either English or Spanish. For more information, contact the Course of Study Online (English) office at (208)467-8371 or the Course of Study Online (Spanish) office at (208)467-8337.

Professional Development:

The Center for Professional Development at Northwest Nazarene University provides convenient and life-friendly classes for working adults. Programs include community education classes for personal improvement, professional development and apprenticeship classes for business and individuals and customized training programs delivered on request to employers throughout the Treasure Valley.*

*Continuing Education courses are designed for professional development and are not normally considered part of a degree program.

Student Life

Northwest Nazarene University is committed to the development of the whole person. The opportunities provided by a residential campus setting add significantly to one's education. Education involves not only the mind, but 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.

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

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 of both developing scholars and growing Christians. Thus, each new student is encouraged to recognize the privileges available to participate 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 will be considered valid and remain 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 said policies. A copy of the Student Handbook 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.

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. Student Government Association (SGA) consists of the Student Executive Council, a Student Senate, a Student Judicial Board, and Class Councils.

Clubs and Organizations

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

Accounting Club
Alpha Epsilon Delta Honor Society
American Marketing Association
Art Club
Chemistry Club
College Democrats
College Republicans
Drama Club
Fellowship of Christian Athletes
Fencing Club
Ground Floor Graphic Design Club
International Students Club
Middle Eastern Affairs Club
Midnight Ridazz - Bicycle Club
Multi Cultural Affairs Club
Near Space Club
Outdoor Recreation Club
Phi Kappa Delta, Honorary Forensic Society
Photography Society
Political Science Club
Psychology Club
Recycling Club
Sigma Pi Sigma Honor Society
Social Work Club
Society For A Change
Society of Physics Students
Student Association of Social Workers
Students In Free Enterprise
Student Managed Fund
Student National Education Association

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 counseling provided by professional counselors, and/or supervised interns.
2. Co-curricular seminars covering issues such as safety, relationships, personal choices, and other pertinent issues.
3. Referral sources within the local community through the Counseling Center. These include special needs, emergency hospitalization, and psychiatric care. 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, get support, and develop skills in the general areas of relationships, trust, and honesty.
6. A contracted psychiatric nurse practitioner who comes twice a month to prescribe psychotropic drugs when warranted.
7. Peer Counselors. 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.

The Office of Multi Cultural Affairs

The office provides ongoing support to U.S. students of color, international students and children of missionaries in the academic, spiritual and social aspects of their lives. We seek to promote an awareness, cooperative efforts, and an understanding about the various aspects of ethnic, religious and cultural diversity. The office provides a means for students and campus personnel to address these issues in collaboration with individuals from the Treasure Valley. Students can be involved in multicultural events and clubs both on and off campus.

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 their students in employment searches. The Career Center will help students write effective résumés, 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, a current listing of helpful career development websites, the Career Center Home Page: www.nnu.edu/career. 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, Résumés 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 the development of 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.

Campus 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 programs, covenant and accountability groups, international and domestic mission trips, and community service opportunities.

Chapel Services, Convocations and Campus Ministries:

The purpose of the Chapel/Convocation program at Northwest Nazarene University is to build and maintain a sense of community. The spiritual, ethical, and cultural content of these gatherings, in keeping with the Mission Statement of Northwest Nazarene University, is designed to build Christian character and is imperative to the pursuit of a Christian liberal arts education. **Consequently, attendance is required of all undergraduate students.** 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. Community Chapels include a blend of Christian music, periodic 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 Staley Distinguished Christian Scholar Lecture Series was established by Mr. and Mrs. Thomas F. Staley. The Foundation seeks to bring to the campus a variety of speakers to address life issues in the Christian context.

The John E. Riley Intellectual Life Lecture Series has been endowed by alumni and friends to honor Dr. John E. Riley for his years of service to the University. The purpose of the series is to bring Christian scholars to the campus to stimulate thought and understanding especially in the area of relating the religious faith to other fields of knowledge and experience.

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

With approximately 60 percent of the total student population living in Northwest Nazarene University’s residential halls, the University intends that each student’s living environment would serve to enhance the total educational experience while enrolled.

In order to integrate this goal, professionals work directly 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. They may become involved as a

member of the Residence Hall Council, Residence Peer Board, Residential Life Board, or Student Life Executive Committee.

Activities offered in the residence halls include community service events, study breaks, holiday/theme parties, bible studies, wing events, wellness activities and trips.

Referrals to the Office of Student Development or other University campus support systems are made when students need further assistance in their personal, spiritual, or academic development as a person.

Many special speakers or community resource people interact within the residence halls through presentations, panel discussions, or other co-curricular activities. This enables students to stay abreast of current life and campus issues as they develop.

Residence Halls

All unmarried students who do not have senior standing, are less than 21 years of age (*Note: Students in the class of 2013 and on will be required to be 22 before moving off-campus*) before the day that classes start for the semester, and who do not reside with parents/guardians, are required to live in one of the residence halls. Northwest Nazarene University's residence halls have a capacity for more than 800 students. Halls are divided into upper and lower division categories.

Students desiring 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.

Security

The Security Office is located in the South Nampa Police Campus Substation at 916 E. Maple Street, just west of the university tennis courts and Olsen Apartments. While school is in session, the Security Office hours are Monday-Friday 9:00-5:00 pm. Security administration can be contacted during regular office hours at (208) 467-8550 or, on campus at 8550. Security provides an on campus transport/escort service anytime students or campus personnel do not feel comfortable walking by themselves.

It is the student's responsibility to remain involved in the safety and security of the NNU community. The University's effort to provide security on campus should not be deemed an assumption of any duty to provide personal protection to students or campus personnel, as each individual remains personally responsible for their own safety. The purpose of security is simply to provide assistance whenever it is available. Each individual must remain alert to their surroundings at all times, and report any unusual behaviors or incidences immediately to Security at (208) 467-8911 or, on campus at 8911.

Vehicles

All students, faculty, and staff must register their vehicles with the Department of Security. You are responsible for acting within NNU standards as it pertains to vehicle use on campus. A complete copy of NNU vehicle privileges and guidelines is available at the Security Office or can be located on the Northwest Nazarene University web site.

Food Services

Meals are provided at Northwest Nazarene University by Sodexo, Inc. and Affiliates.

All students living on campus are required to carry a meal plan, with the exception of Holly residents. Meal plan options are based on the residence hall in which you live. 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, 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 called Campus League. All of the activities and sports provided by Campus League are excellent opportunities 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...

School of Arts, Humanities, and Social Sciences

Dean of the School of Arts, Humanities, and Social Sciences: Ronald E. Ponsford

The School of Arts, Humanities, and Social Sciences offers a curriculum that is the core of a Christian liberal arts education. The various academic majors, minors, and programs found within this school prepare students to develop the “habit of mind” that is essential for transforming themselves and the world they inhabit. The academic programs in this school also prepare students for formal study beyond the undergraduate degree.

This school is comprised of six departments (Art, Behavioral Sciences and Cultural Studies, Communication Studies, English, History and Political Science, and Music) and two programs (Applied Studies and Liberal Studies). Majors available in the school, by department or program, are:

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

Department of Art and Design

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

Department of Behavioral Sciences and Cultural Studies

Majors

Bachelor of Arts, Criminal Justice
Bachelor of Arts, Cultural Studies
 Interdisciplinary Emphasis
 Social Science/Sociologist Emphasis
Bachelor of Arts, Psychology
 Industrial and Organizational Emphasis
 Interdisciplinary Emphasis
 Neuroscience/Neuropsychology Emphasis
 Scientist/Practitioner Emphasis
Bachelor of Arts, Spanish
Bachelor of Science, Criminal Justice
Psychology Education
See Secondary Education: Psychology Second Teaching Field
Spanish Education
See Secondary Education: Spanish First Teaching Field, Spanish Second Teaching Field

Minors

Criminal Justice
Cultural Studies
Psychology
Spanish

Department of Communication Studies

Majors

Bachelor of Arts, Communication
Broadcast and Performance Emphasis
Communication Science Emphasis
Bachelor of Arts, Mass Communications
Communication Education
See Secondary Education: Second Teaching Field

Minors

Broadcasting
Communication
Drama
Media Production

Department of English

Majors

Bachelor of Arts, English
Bachelor of Arts, Journalism
English Education
See Secondary Education: English Teaching Area, English First Teaching Field, English Second Teaching Field

Minors

Literature
Professional Writing

Department of History and Political Science

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
Social Science Education
See Secondary Education: Social Science Teaching Area, Social Science Second Teaching Field

Minors

History
Political Science

Pre-Professional Program

Pre-Law

Department of Music

Majors

Bachelor of Arts, Music
Applied Emphasis
Track I Piano
Track II Voice
Track III Instrumental
Track IV Theory
Commercial Music Emphasis
General Music Emphasis
Worship and Music Ministry Emphasis
Music Education
See Secondary Education: Music Teaching Area, Music Second Teaching Field

Minors

Music
Worship and Music Ministry

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 including course work in an applied area coupled with course work in the humanities, mathematics and science, and social sciences. The program is administered by the Director of Academic Advising.

Requirements: 60 credits including 12 credits in humanities, 12 credits in social sciences, 12 credits in mathematics and science, and 24 credits selected from one or two of the following areas: applied art, business, Christian ministry, communication studies, computer science, education, engineering, English (courses in writing or composition which may include ENGL1020 and ENGL2020), kinesiology, music (education, theory, and applied), nursing, and/or social work. 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

Bachelor of Arts, Art

The art curriculum aims to provide students with fundamental experiences in the visual arts; and 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, as well as classes for art education.

Administrator: Chair, Department of Art

Requirements: 54-61 credits: Completion of the prescribed core courses (30 credits) plus the requirements for one area of emphasis (24-31 credits).

Core Courses: 30 credits

- ARDE1020. 2D Design (3)
- ARDE1040. Drawing 1 (3)
- ARDE2010. 3D Design (3)
- ARDE2070. Figure Studies (3)
- ARDE2410. Painting 1 (3)
- ARDE2760. Photography 1 (3)
- ARDE3250. Art History 1 (3)
- ARDE3750. Art History 2 (3)
- ARDE4250. Contemporary Art History (3)
- ARDE4960. Internship (3)

Graphic Design Emphasis: 31 credits

- ARDE2350. Graphic Design 1: Introduction To Visual Communication (3)
- ARDE2280. Illustration 1: Visual Voice (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)
- ARDE3440. Introduction to Web Design (3)
- ARDE4360. Graphic Design 4: Portfolio Preparation (3)
- ARDE4870. Senior Exhibition (1-3) (1 required)

Two courses selected from:

- ARDE3070. Drawing 2 (3)
- ARDE3410. Painting 2 (3)
- ARDE3500. Studio Practice and Critique (3)
- ARDE3760. Photography 2 (3)
- ARDE4440. Advanced Web Design (3)

Studio Art Emphasis: 24 credits

ARDE2430. Introduction to Computer Graphics (3)
ARDE3500. Studio Practice and Critique (3)
ARDE4500. Studio Practice and Critique (3)
ARDE4870. Senior Exhibition (1-3) (3 required)

Four courses selected from:

ARDE3050. Ceramics 2 (3)
ARDE3060. Printmaking (3)
ARDE3070. Drawing 2 (3)
ARDE3410. Painting 2 (3)
ARDE3430. Digital Photography (3)
ARDE3760. Photography 2 (3)
ARDE3770. Photojournalism (3)
ARDE4030. Sculptural Installation (3)

Minor, Graphic Design

Requirements: 24 credits

ARDE1020. 2D Design (3)
ARDE1350. 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)

Two courses selected from:

ARDE3430. Digital Photography (3)
ARDE3440. Introduction to Web Design (3)
ARDE3770. Photojournalism (3)
ARDE4250. Contemporary Art History (3)

Minor, Photography

Requirements: 21 credits

ARDE1020. 2D Design (3)
ARDE2430. Introduction to Computer Graphics (3)
ARDE2760. Photography 1 (3)
ARDE3060. Printmaking (3); or,
ARDE3770. Photojournalism (3)
ARDE3430. Digital Photography (3)
ARDE3760. Photography 2 (3)

One course selected from:

ARDE3250. Art History 1 (3)
ARDE3750. Art History 2 (3)
ARDE4250. 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 selected from:

ARDE3250. Art History 1 (3)

ARDE3750. Art History 2 (3)

ARDE4250. Contemporary Art History (3)

Two courses selected from:

ARDE3060. Printmaking (3)

ARDE3070. Drawing 2 (3)

ARDE3410. Painting 2 (3)

ARDE4030. Sculptural Installation (3)

Department of Behavioral Sciences and Cultural Studies

The Department of Behavioral Sciences and Cultural Studies provides an interdisciplinary approach to the study of individuals and groups. The department offers a broad understanding of human behavior, including the development, relationships, and interactions of individuals in systems. Drawing primarily on models from psychology, sociology, and language and cultural studies, 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; modern languages; and models of advocacy and social justice.

The department contributes to the liberal 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, cultural studies, psychology, and Spanish. 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, language, culture, and related fields. The department models and trains its students to be Christian professionals serving the community.

Faculty: Glenna Andrews (Department Chair), David Blowers, James Cresswell, Benjamin Earwicker, Ronald Ponsford

Majors

Bachelor of Arts, Criminal Justice

Bachelor of Arts, Cultural Studies

Interdisciplinary Emphasis

Social Science/Sociologist Emphasis

Bachelor of Arts, Psychology

Industrial and Organizational Emphasis

Interdisciplinary Emphasis

Neuroscience/Neuropsychology Emphasis

Scientist/Practitioner Emphasis

Bachelor of Arts, Spanish

Bachelor of Science, Criminal Justice

Psychology Education

See Secondary Education: Psychology Second Teaching Field

Spanish Education

See Secondary Education: Spanish First Teaching Field, Spanish Second Teaching Field

Minors

Criminal Justice

Cultural Studies

Psychology

Spanish

Bachelor of Arts, Criminal Justice

The mission of the Criminal Justice major is to graduate individuals who are (1) 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) competent in the theories, models, and methods of investigation in criminology, and in the fields and practices within criminal justice; (3) and who 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 non-traditional students through alternative scheduling and delivery designed for professionals who work in the field, 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 and Cultural Studies

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 credits of which 22 shall be numbered above 2999

COMM2030. Interpersonal Communications (3)

CRIM1500. Introduction to Criminal Justice (3)

CRIM2250. Law Enforcement and Community Policing (3)

CRIM3150. Corrections (3)

CRIM3200. Juvenile Justice (3); or,

CRIM3550. Criminology (3)

CRIM3960. Field Placement in Criminal Justice (1-2)

CRIM4250. Criminal Court Systems (3); or,

CRIM4350. Criminal Law (3)

CRIM4450. Culture and Criminal Justice (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)

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

SOGY2430. Social Problems (2)

Bachelor of Arts, Cultural Studies

Administrator: Chair, Department of Behavioral Sciences and Cultural Studies

Learning Objectives:

1. Graduates of this emphasis will be able to conduct ethnographic and statistical research and understand research methods in cultural studies and sociology. (Academic Excellence)
2. Graduates of this emphasis 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 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)
4. Graduates of this emphasis and general education students will be able to identify the major theoretical perspectives and contributors to the discipline. (Academic Excellence)
5. 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: 53-55 credits: 24 core credits of which 15 shall be numbered above 2999; the requirements for one area of emphasis (29-31 credits); and the cultural immersion experience for major students

Core courses: 24 credits

CRIM3550. Criminology (3); or,
CRIM3200. Juvenile Justice (3)
SOGY1550. Introduction to Sociology (3)
SOGY2030. Cultural Anthropology I (2)
SOGY2040. Cultural Anthropology II (2)
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)

Interdisciplinary Emphasis

A course of study for students who plan on graduate work or employment in diverse cultural settings.

Requirements: 29 credits

POLS1050. Introduction to International Relations (3)

PSYC1550. Introduction to Psychology (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)

Social Scientist/Sociologist Emphasis

A course of study in general sociology for students who plan on graduate work or social science research.

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)

PSYC3650. Experimental Design and Statistical Analysis II (3)

PSYC3650L. Experimental Design and Statistical Analysis Laboratory II (1)

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, Psychology

Administrator: Chair, Department of Behavioral Sciences and Cultural Studies

Learning Objectives:

1. Graduates of this emphasis 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 emphasis 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 emphasis 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 emphasis and general education students will be able to identify the major theories and contributors to the discipline. (Academic Excellence)
5. Graduates of this emphasis 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: 52-56 credits: 24 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.

Industrial and Organizational Emphasis

This emphasis is designed for students interested in working with the theory and methods of psychology within the business and/or industrial field, such as management, human resources and other integrated fields.

Requirements: 32 credits

PSYC1250. Psychology for Life (2)
PSYC3760. Adult Psychology (2)
PSYC4610. Psychological Testing (3)
PSYC4720. Group Theory and Processes (3)
PSYC4720L. Group Theory and Processes Laboratory (1)
PSYC4970. Senior Research in Psychology (1-4) (1 required)

Eight credits in Communication (8)

Suggested courses:

COMM2010. Small Group Communication (3)
COMM2030. Interpersonal Communication (3)
COMM3020. Organizational Communication (3)

Four courses in Business selected from: (12)

BSNS3410. Business Law I (3)
BSNS3420. Business Law II (3)
BSNS3510. Principles of Marketing (3)
BSNS3640. Principles of Management (3)
BSNS3650. Human Resource Management (3)
BSNS3810. Business Ethics (3)
BSNS4670. Organizational Behavior (3)

Interdisciplinary 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: 32 credits

- PSYC1250. Psychology for Life (2)
- PSYC2740. Helping Skills (2)
- PSYC3450. Abnormal Psychology (3)
- PSYC3750. Counseling Theory (2)
- PSYC4720. Group Theory and Processes (3)
- PSYC4720L. Group Theory and Processes Laboratory (1)

Two courses selected from:

- PSYC3360. Child Psychology (2)
- PSYC3660. Adolescent Psychology (2)
- PSYC3760. Adult Psychology (2)

Three elective credits in psychology (PSYC2110 will not meet this requirement) (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 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 Behavioral Sciences 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:

Cultural Immersion Experience:

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.

Bachelor of Science, Criminal Justice

The mission of the Criminal Justice major is to graduate individuals who are (1) 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) competent in the theories, models, and methods of investigation in criminology, and in the fields and practices within criminal justice; (3) and who 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 non-traditional students through alternative scheduling and delivery designed for professionals who work in the field, 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 and Cultural Studies

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: 55 credits of which 32 shall be numbered above 2999

COMM2030. Interpersonal Communications (3)
CRIM1500. Introduction to Criminal Justice (3)
CRIM2250. Law Enforcement and Community Policing (3)
CRIM3150. Corrections (3)
CRIM3200. Juvenile Justice (3)
CRIM3550. Criminology (3)
CRIM3960. Field Placement in Criminal Justice (1-2)
CRIM4250. Criminal Court Systems (3); or,
CRIM4350. Criminal Law (3)
CRIM4450. Culture and Criminal Justice (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)
PSYC3640. Experimental Design and Statistical Analysis (3)
PSYC3640L. Experimental Design and Statistical Analysis Lab (1)
PSYC4550. Social Psychology (3)
SOGY1550. Introduction to Sociology (3)
SOGY2430. Social Problems in Modern Society (2)
SOGY3180. Race, Class, and Gender (3)

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 and Cultural Studies

Requirements: 23-24 credits of which 12 shall be numbered above 2999

POLS1030. The Foundations of Politics: The 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 (3)

CRIM3550. Criminology (3); or,

CRIM3200. Juvenile Justice (3)

SOGY3180. Race, Class and Gender (3)

Three credits in political science, psychology, or sociology numbered above 2999 (3)

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 Behavioral Sciences and Cultural Studies

Requirements: 20-24 credits, of which 9 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 I (2)

SOGY2040. Cultural Anthropology II (2)

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 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

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)

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 Behavioral Sciences 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.

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

Broadcast and Performance Emphasis

Communication Science 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 an emphasis on broadcasting, relationship issues, public speaking, research, and/or performance. 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: 49 credits: 26 core credits and the requirements for one area of emphasis (23)

Core Courses: 26 credits

- COMM1010. Introduction to Communication (3)
- COMM1210. Introduction to Public Speaking (2)
- COMM2020. Media Systems and Literacy (3)
- COMM2030. Interpersonal Communication (3)
- COMM3050. Nonverbal Communication (2)
- COMM3420. Persuasion (3)
- COMM4440. Rhetorical Theory and Criticism (3)
- COMM4610. Communication Research and Theory (3)
- COMM4950. Internship in Communication Studies (2)
- COMM4970. Senior Project (1)
- COMM4980. Seminar in Communication Studies (1)

Communication Science Emphasis

A course of study that prepares students for roles involving an understanding of the process of human communication that shape relationships, groups, and organizations, that persuade and entertain individuals, and that influence public opinion, media use, and attitude and behavioral change.

Requirements: 23 credits

- COMM1420. Introduction to Public Relations (3)
- COMM2010. Small Group Communication (3)
- COMM3020. Organizational Communication (3)
- COMM4094. Topics in Communication Studies (3)
- Eleven credits in communication, psychology, sociology, business, or political science of which 6 shall be numbered above 2999 (11)

Broadcast and Performance Emphasis

A course of study that prepares students for a career in diverse public performance fields such as newscaster, announcer, radio personality, spokesperson, press secretary, or a variety of corporate positions.

Requirements: 23 credits

- COMM2120. Communication Activities (1)
- COMM3120. Advanced Communication Activities (1)
- COMM3210. Advanced Public Speaking (3)
- COMM3280. Media Law and Ethics (3)

Fifteen Credits from the following (15):

- COMM1310. Oral Interpretation (3)
- COMM2250. Introduction to Scriptwriting (3)
- COMM2600. Introduction to Performance (3)
- COMM3500. Argumentation and Debate (3)
- COMM3600. Broadcast Communication (3)
- ENGL2610. Introduction to Journalism (3)
- ENGL3520. Twentieth Century Drama (3)
- ENGL3610. Advanced Reporting (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. Media 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)

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. Media 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, 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 English

Faculty: Darrin Grinder (Department Chair), Kevin Dennis, Benjamin Fischer, Jill Macauley, Ralph Speer, Julie Straight

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)

Majors

Bachelor of Arts, English

Bachelor of Arts, Journalism

English Education

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

Minors

Literature

Professional Writing

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 English

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)

ENGL3210. Major Authors in American Literature (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 credits in English (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, Journalism

The journalism major offers students the opportunity to learn theoretical and practical news gathering, reporting, and publication management skills. The major is designed to train students for careers in professional broadcast, newspaper, magazine, and online journalism by emphasizing teaching AP format writing, narrative theory, and best journalism practices.

Administrator: Chair, Department of English

Requirements: 43 credits and one minor or second major selected from the approved list

ARDE2430. Introduction to Computer Graphics (3)
ARDE3770. Photojournalism (3)
COMM3280. Media Law and Ethics (3)
ECON2420. Macroeconomic Analysis (3)
ENGL2610. Introduction to Journalism (3)
ENGL3610. Advanced Reporting (3)
ENGL3630. News Analysis and Opinion Writing (3)
ENGL3640. News Editing (3)
ENGL3660. Magazine Writing (3)
ENGL3950. Newspaper Practicum (3)
ENGL4960. Senior Internship (3)
ENGL4980B. Senior Seminar in Journalism (1)
GEOG1050. Introduction to Geography (3)
PHIL2020. Ethics (3)
POLS3410. American Political Thought and Ideology (3)

One major or minor must be selected from:

Bachelor of Arts, Art (with Graphic Design Emphasis)
Bachelor of Arts, Communications
Bachelor of Arts, Mass Communications
Broadcasting
Economics
History
Literature
Media Production
Philosophy
Photography
Political Science
Spanish

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 English

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 English

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)

English as a Second Language Program (ESL)

The English Language Institute (ELI) at Northwest Nazarene University encourages respect for cultural diversity and serves international students by providing opportunities for improvement of English language skills for academic work as well as social skills for the American university environment.

Objective: The ESL Program is designed for English as a second or additional language learners who plan to pursue a degree at Northwest Nazarene University (NNU). This program provides four levels of academic English preparation courses. Each course is designed to develop ESL students' language skills for reading in an academic context, writing research papers, and comprehending academic lectures.

Language Assessment Policy

A new student enrolled in the ESL Program will take a language assessment as a placement test to determine the level of his or her language proficiency. This language assessment includes an evaluation of reading, listening, writing, and speaking. The student will then be placed in one of four levels depending on his or her level of proficiency.

TOEFL CBT	TOEFL IBT	IELT	ELI Language Assessment	ELI Level
Below 30	Below 8	1	Below 34	L1 (Beginner)
33 - 60	9 - 18	1 - 1.5	35 - 38	L1 (Beginner)
63 - 90	19 - 29	2 - 2.5	39 - 45	L2 (Intermediate)
93 - 120	30 - 40	3 - 3.5	46 - 53	L2 (Intermediate)
123 - 150	41 - 52	4	54 - 57	L3 (Advanced)
153 - 180	53 - 64	4.5 - 5	58 - 65	L3 (Advanced)
183 - 210	65 - 79	5.5 - 6	66 - 74	L4 (Academic Preparation)
213	80	6.5	75	NNU Admission requirement

English Only Policy

Immersion in an English-language speaking environment will help a student learn the language as well as improve his or her English language skills. Therefore, students will be encouraged to speak only English in the classroom. Any student failing to comply will be required to spend one hour with an English conversation tutor in the Academic Support Center after class. He or she will report her time to the ESL Director.

Attendance Policy

Attendance will be a significant part of each grade. A student missing 30% of courses will not earn his or her certificates. The NNU catalog clearly explains student responsibilities; please read the Academic Perspectives chapter.

Exchange Students

Exchange students with a qualifying score (TOEFL IBT 60; IELTS 4.5; or ELI Language Assessment 60) and the ESL Director's approval, may take 2 traditional undergraduate lower-division courses.

An exchange student enrolled in Level 4 courses may take traditional undergraduate courses based on the credits needed after consulting with and obtaining approval from his or her academic advisor.

Academic Standing

Students with a TOEFL IBT score below 80 must enroll in the ESL Program. While in the program, students must maintain an accumulative grade point average (GPA) of 2.7 (B-) in their ESL courses in order to move on to the next level in the program. Students who have a GPA less than 2.7 will be required to repeat the same level.

Curriculum

The ESL Program provides four levels of language courses to ESL students. Level 1 (Beginner) and Level 2 (Intermediate) courses establish the learner's language skills. Level 3 (Advanced) and Level 4 (Academic Preparation) courses help students develop study skills and learning strategies to increase their academic competence and to build the confidence desired to engage in classroom activities. The courses students take in the levels of the ESL Program appear in the table below.

	Language Courses	Language instruction Hrs/per week	Traditional Undergraduate Courses w/Academic Advisor's approval
Level 1 Beginner	ENGL0750 ENGL0760 ENGL0770 ENGL0780	14 hrs instruction 5 hrs tutoring @ Academic Support Center	
Level 2 Intermediate	ENGL0850 ENGL0860 ENGL0870 ENGL0880	14 hrs instruction 5 hrs tutoring	1 content course: ENGL0890
Level 3 Advanced	ENGL0950 ENGL0960 ENGL0970 ENGL0980	12 hrs instruction	1 or 2 traditional lower -division undergraduate course(s)
Level 4 Academic Prep	ENGL1060 ENGL1070	4 hrs instruction	2 traditional lower-division undergraduate courses

Department of History and Political Science

Faculty: Alan Wheatley (Department Chair), Christian Esh, Mark Gismondi, 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

Social Science Education

See Secondary Education: Social Science Teaching Area, Social Science 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: 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 modern foreign language (same language) (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.

Administrator: Chair, Department of History and Political Science

Requirements: 62 credits from the departments of Behavioral Sciences and Cultural Studies, 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)

Twenty-two credits in a modern foreign language of which 6 shall be numbered above 2999 (22)

Study abroad is required of all International Studies majors. Students who have not lived in a second culture are required to travel and study abroad (or in the United States under certain circumstances). Students should begin early to plan for the required study abroad.

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: Chair, Department of History and Political Science

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 Music

Faculty: Barry Swanson (Department Chair), Casey Christopher, Walden Hughes, Judy Marlett, 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

Commercial Music Emphasis (new program, currently in approval process by National Association of Schools of Music)

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, Commercial, and General Music: : 46-59 credits: 29-31 core credits and the requirements for one area of emphasis (16-29)

Core Courses: 29-31 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 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. Choral Conducting (2)
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.
- 6.

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.

Track I Requirements (Piano): 23 credits

Major performance medium: 13 credits
MUSC3220. Counterpoint (3); or,
MUSC3230. Composition (3)
MUSC3430. Performance Practices (1)
MUSC4390. Piano Methods (3)
Three credits in music numbered above 2999 (3)
Recital during junior and senior years

Track II Requirements (Voice): 21 credits

Major performance medium: 12 credits
MUSC3220. Counterpoint (3); or,
MUSC3230. Composition (3)
MUSC3440. Diction (3)
MUSC4410. Voice Methods (3)
Recital during junior and senior years

Track III Requirements (Instrumental): 21 credits

Major performance medium: 12 credits
MUSC3220. Counterpoint (3); or,
MUSC3230. Composition (3)
MUSC3099. Directed Study - Methods (3)
Three credits in music numbered above 2999 (3)
Recital during junior and senior years

Track IV Requirements (Theory): 19 credits

Major performance medium: 8 credits
MUSC3210. Orchestration (3)
MUSC3220. Counterpoint (3)
MUSC3230. Composition (3)
MUSC3610. Instrumental Conducting (2)
Recital and/or project during junior and senior years

Commercial Music Emphasis (new program, currently in approval process by National Association of Schools of Music)

Designed for students interested in pursuing a career in commercial music avenues.

Requirements: 29 credits

MUSC3150. Music Technology (1)
MUSC3210. Orchestration (3)
MUSC3230. Composition (3)
MUSC3950. Field Experience in Music Management (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)
BSNS2170. Computer Applications in Business (3)
BSNS3510. Principles of Marketing (3)
BSNS3530. Marketing Communications (3)

Communication Studies Courses:

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

- MUSC1010. A Survey of Art and Music (3)
- MUSC2240. Improvisation (3)
- MUSC3220. Counterpoint (3); or,
MUSC3230. Composition (3)
- MUSC3750. Symphonic Literature (1)
- 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: 52 credits

Modified Core Courses: 20-22 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)
- MUSC2110. Introduction to Music Ministry (1)
- MUSC2200. Intermediate Music Theory I (3)
- MUSC2210. Intermediate Music Theory Laboratory I (1)
- MUSC3260. Music History: Medieval, Renaissance and Baroque (3); or,
MUSC3270. Music History: Classic, Romantic and Modern (3)
- MUSC3600. Choral Conducting (2)

Additional Music Courses: 19 credits

- MUSC2096. Field Experience in Music Ministry (1)
- MUSC2240. Improvisation (3)
- MUSC3200. Practicum in Worship Planning and Leadership (2)
- MUSC3210. Orchestration (3)
- MUSC3530. Church Music Resources and Materials (3)
- MUSC3610. Instrumental Conducting (2)
- MUSC4510. Music in Worship and Ministry (3)
- MUSC4950A. Internship in Church Music (1-2) (2 required)
- Half Recital in the senior year

Visual Media and Technology courses: 4 credits

- ARDE2430. Introduction to Computer Graphics (3)
- COMM1260. Introduction to Video (1)

Religion Courses: 7 credits

- PRTH1710. Introduction to Christian Ministry (1)
- PRTH2960. Field Experience in Christian Ministry (1)
- PRTH3220. Worship Theory and Development (2)
- PRTH4820. Pastoral Leadership (3)

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. 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.

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

Requirements: 51-53 credits in music, 28 credits in education, 8 credits in applied lessons

- 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. Choral Conducting, Methods and Materials (3)
- MUSC3630. Instrumental Conducting, Methods, and Materials (3)

MUSC4100. Forms and Analysis (3)
 Eight credits in applied lessons (8)
 *EDUC1100. Introduction to Teaching (1)
 PSYC2110. Educational Psychology (3)
 *EDUC2960. Field Experience (1)
 EDUC3150. Education of the Exceptional Child (3)
 *EDUC3410. 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 (12) or *EDUC4870
 Student Teaching in the Senior High School (12)
 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 Crusader Choir (primary performance medium - voice) or Concert Band (primary performance medium-instrumental)
3. study privately each semester in their primary performance medium (voice or instrumental) (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.
- 6.

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

Requirements: 26-28 credits

MUSC0900. Fundamental 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. Choral Conducting, 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)

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. Choral Conducting (2); or,
- MUSC3610. Instrumental 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: 24-27 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 (1)
- MUSC3210. Orchestration (3)
- MUSC3260. Music History: Medieval, Renaissance and Baroque (3); or,
- MUSC3270. Music History: Classic, Romantic and Modern (3)
- MUSC3530. Church Music Resources and Materials (3)
- MUSC3600. Choral Conducting (2)
- MUSC4950A. Internship in Church Music (1-2)
- PRTH3220. Worship Theory and Development (2)

School of Business

Dean of the School of Business: Stephen Mountjoy

The mission of the School of Business at Northwest Nazarene University is to educate students for the purpose of developing 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 be provided with 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 development of skills relevant to and which 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 decisionmaking.
3. Students will be involved in activities which 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.

Students in the Department of Business and Economics may pursue the following majors: Accounting, Business Administration, Economics, Global Business, Management, or Marketing. Students pursuing a Bachelor of Science in Business may choose to pursue a Management of Information Systems emphasis. Alternatively, many Business majors will choose to pursue a specialization through a business related minor. The following minors are offered by the School of Business: Accounting, Economics, Global Business, Management, Marketing, and Business Administration.

Department of Business and Economics

Majors

Bachelor of Arts, Global Business

Bachelor of Science, Accounting

Bachelor of Science, Business Administration

Bachelor of Science, Economics

Bachelor of Science, Management

Bachelor of Science, Marketing

A Bachelor of Arts is available in any of the above majors if the student completes two semesters of an intermediate foreign language.

Emphasis:

Management Information Systems

Minors

Accounting

Economics

Management

Marketing

Global Business

Business Administration

Accelerated Business Administration (ABA)/STEP

Bachelor of Science, Business Administration, ABA/STEP

Department of Business and Economics

Faculty: Stephen Mountjoy (Dean), Konya Weber, (Department Chair), Ron Galloway, (Associate Dean, MBA Director), Bill Russell (Associate Dean, Assistant to the President) Karen Jones (ABA/STEP Director), David Chaplin, Peter Crabb, Samuel Dunn, Mark Emerson, Brenda Johnson, Jeff Lineman, Joel Pearsall, Dave Peterson, Mollie Sweet, Ann Thompson-Crabb, RG Vanderpool, Dick Van Schyndel, Teri Whilden

Business and Economics Department majors 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 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)
BSNS2220. Business Communication (3)
ECON2410. Microeconomic Analysis (3)
ECON2420. Macroeconomic Analysis (3)
BSNS2330. Math for Business and Finance (3)

Admission to Advanced Standing

To qualify for entrance into upper-division courses applicable for completion of degrees within the Department of Business and Economics, students must complete the following requirements for acceptance into Advanced Standing:

1. Be officially admitted to Northwest Nazarene University and be declared either an Accounting, Business Administration, Economics, Global Business, Management, or Marketing major
2. Have completed at least two business classes 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 approval of the Department Chair
3. Have a minimum cumulative grade point average of 2.5
4. Adhere to the School of Business Department Standards and University Outcomes
5. Make application for Advanced Standing
6. Interview with a faculty panel and receive a positive recommendation
7. Be accepted by vote of the business faculty

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

Majors

Bachelor of Arts, Business Administration
Bachelor of Arts, Global Business
Bachelor of Science, Accounting
Bachelor of Science, Business Administration
Bachelor of Science, Economics
Bachelor of Science, Management
Bachelor of Science, Marketing

Minors

Accounting
Economics
Management
Marketing
Global Business
Business Administration

ABA/STEP

Bachelor of Science, Business Administration

Bachelor of Science, Accounting

Objective: To provide students with a general understanding of multiple areas of accounting in order to prepare students for a career in public, corporate, or governmental accounting, or students who want to embark on a management career with a strong accounting emphasis. It is also designed 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 (3)
- ACCT4020 Auditing (3)
- ACCT4510 Advanced Financial Accounting (3)
- 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 Financial Management (3)
- BSNS3810 Business Ethics (3)
- BSNS4690 Global Operations Management (3)
- BSNS4980 Senior Seminar In Business (3)
- ECON2410 Microeconomic Analysis (3)
- ECON2420 Macroeconomic Analysis (3)
- Two upper division electives (six credits) offered by the Department of Business and Economics (excluding BSNS3960 and BSNS4960)

Bachelor of Science, Business Administration

Objective: 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)
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. Financial Management (3)
BSNS3810. Business Ethics (3)
BSNS3960. Internship in Business (3)
BSNS4690. Global Operations Management (3)
BSNS4980. Senior Seminar In Business (3)
ECON2410. Microeconomic Analysis (3)
ECON2420. Macroeconomic Analysis (3)
Two upper division electives (six credits) offered by the Department of Business and Economics (excluding BSNS3960 and BSNS4960)
Students pursuing a Bachelor of Science in Business may also pursue a Management of Information Systems Emphasis.

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: Two semesters of an Intermediate Foreign Language are required. (62 credits)

Bachelor of Science, Economics

Objective: 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: 54 credits; completion of the prescribed courses.

Core Courses (33 credits):

ACCT2060. Financial Accounting (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. Financial Management (3)
BSNS3810. Business Ethics (3)
BSNS4600. Global Business Strategies (3)
BSNS4980. Senior Seminar In Business (3)
ECON2410. Microeconomic Analysis (3)

Major Courses (15 credits):

ECON2420. Macroeconomic Analysis (3)
ECON3150. Managerial Economics (3)
ECON3510. Money and Financial Institutions (3)
ECON3770. Saving and Investing (3)
ECON4050. Global Economics (3)

Elective Courses (Select 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: Two semesters of an Intermediate Foreign Language are required. (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 of global business.

Administrator: Chair, Department of Business and Economics

Requirements: 62 credits; completion of the prescribed courses

Core Courses (33 credits):

ACCT2060. Financial Accounting (3)
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. Financial Management (3)
BSNS3810. Business Ethics (3)
BSNS4600. Global Business Strategies (3)
BSNS4980. Senior Seminar In Business (3)
ECON2410. Microeconomic Analysis (3)

Major Courses (15 credits):

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

Elective Courses (Select 6 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 (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 of management.

Administrator: Chair, Department of Business and Economics

Requirements: 54 credits; completion of the prescribed courses

Core Courses (33 credits):

ACCT2060. Financial Accounting (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. Financial Management (3)
BSNS3810. Business Ethics (3)
BSNS4600. Global Business Strategies (3)
BSNS4980. Senior Seminar In Business (3)
ECON2410. Microeconomic Analysis (3)

Major Courses (15 credits):

ACCT2070. Managerial Accounting (3)
BSNS2170. Computer Applications in Business (3)
BSNS3650. Human Resource Management (3)
BSNS4610. Entrepreneurship (3)
BSNS4690. Global Operations Management (3)

Elective Courses (Select 6 credits):

BSNS2220. Business Communications (3)
BSNS3010. Personal Finance and Stewardship (3)
BSNS3960. Internship in Business (3)
BSNS4670. Organizational Behavior (3)
ECON2420. Macroeconomic Analysis (3)

To earn a Bachelor of Arts in Management: Two semesters of an Intermediate Language are required. (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 of marketing.

Administrator: Chair, Department of Business and Economics

Requirements: 54 credits; completion of the prescribed courses

Core Courses (33 credits):

ACCT2060. Financial Accounting (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. Financial Management (3)
BSNS3810. Business Ethics (3)
BSNS4600. Global Business Strategies (3)
BSNS4980. Senior Seminar In Business (3)
ECON2410. Microeconomic Analysis (3)

Major Courses (15 credits):

BSNS3530. Marketing Communications (3)
BSNS3550. Sales Management (3)
BSNS3580. Retail Management (3)
BSNS4560. Marketing Metrics (3)
BSNS4590. Global Marketing (3)

Elective Courses (Select 6 credits):

- BSNS2220. Business Communications (3)
- BSNS3960. Internship in Business (3)
- ECON3150. Managerial Economics (3)
- COMM3420. Persuasion (3)
- COMM3600. Broadcast Communication (3)
- ARDE2350. Graphic Design 1: Introduction to Visual Communication (3)
- ARDE2430. Introduction to Computer Graphics (3)

To earn a Bachelor of Arts in Marketing: Two semesters of an Intermediate Foreign Language are required. (62 credits)

Minor, Accounting

Requirements: (21 credits). For the student who wishes to have a working knowledge of accounting.

Core Accounting courses (12 credits)

- ACCT2060 Financial Accounting
- ACCT2070 Managerial Accounting
- ACCT3510 Intermediate Accounting I
- ACCT3520 Intermediate Accounting II

Choose three (3) electives (9) credits

- ACCT3010 Income Taxation
- ACCT3040 Cost Accounting
- ACCT4020 Auditing
- ACCT4510 Advanced Financial Accounting
- BSNS3420 Business Law II

Minor, Management

Requirements: (21 prescribed credits). For the student who desires to concentrate in management and organizational development.

- 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)
- BSNS4610. Entrepreneurship (3); or,
 - ECON3150. Managerial Economics (3)
- BSNS4670. Organizational Behavior (3)

Minor, Marketing

Requirements: (18 prescribed credits). For the student who desires to pursue a career in brand management, marketing research, advertising or other marketing related fields.

BSNS3510. Principles of Marketing (3)
BSNS3530. Marketing Communications (3)
BSNS3550. Sales Management (3); or,
ECON3150. Managerial Economics (3)
BSNS3580. Retail Management (3)
BSNS4560. Marketing Metrics (3)
BSNS4590. Global Marketing (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.

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, Business Administration

Requirements: 18 credits in Accounting, Business Administration, Economics, Global Business, Management and Marketing. Nine (9) of the 18 credits must be upper division. Students must meet with a Department of Business and Economics advisor to develop a program of study. **(Only available to students not enrolled in the School of Business).**

ABA/STEP Program, Bachelor of Science, Business Administration

Objective: The Accelerated Business Administration (ABA)/STEP program offers a Bachelor of Science in Business Administration in an accelerated delivery format for students 23 years of age and older with previous college experience. Please contact the ABA/STEP Office for details.

Administrator: Director, ABA/STEP Program

Requirements: 51credits; completion of the prescribed courses; completion of the ETS Business Exam

Core Courses:

- ACCT2060. Financial Accounting (3)
- ACCT2070. Managerial Accounting (3)
- BSNS3170. Computer Applications in Business (3)
- BSNS3030. Management Information Systems (3)
- BSNS3220. Business Communication (3)
- BSNS3410. Business Law I (3)
- BSNS3510. Principles of Marketing (3)
- BSNS3640. Principles of Management (3)
- BSNS3710. Financial Management (3)
- BSNS3810. Business Ethics (3)
- BSNS4690. Global Operations Management (3)
- BSNS4980. Senior Seminar In Business (3)
- ECON3410. Microeconomic Analysis (3)
- ECON3420. Macroeconomic Analysis (3)
- BSNS3330. Math for Business and Finance (3); or,
MATH2240. Elementary Statistics (3)

Two electives offered by the Department of Business & Economics. (ECON1010 and ECON1050 cannot be used by as electives)

School of Education, Social Work, and Counseling

Dean of the School of Education, Social Work and Counseling: Jim Bader

The School of Education, Social Work, and Counseling prepares professionals to serve the educational, social service and counseling needs of communities. These accredited programs are delivered in an environment that honors Christ and Christian principles through undergraduate and graduate programs leading to professional licensure/certification. Professional development activities are provided for practicing professionals.

The three departments in this school include: Education, Social Work, and Counselor Education. Programs available in the school by departments are as follows:

Education

- | | |
|------------------------|--|
| Undergraduate - | Elementary Education

Accelerated Certification for Educators (ACE) Elementary
Special Education
Secondary Education

Multiple teaching fields/areas to teach at the secondary level
Accelerated Certification for Educators (ACE) Secondary (post-bac) |
| Graduate - | Curriculum and Instruction

Director of Special Education
Education Specialist

Educational Leadership

Exceptional Child

Reading
Teaching and Learning |

Social Work

- | | |
|------------------------|--------------------------|
| Undergraduate - | Social Work |
| Graduate - | Social Work (MSW) |

Counselor Education

- | | |
|-------------------|--|
| Graduate - | School Counseling

Marriage and Family Counseling

Community Counseling |
|-------------------|--|

Descriptions of majors, areas of emphasis, minors, and other programs are found in this chapter, while course descriptions are found at the end of the catalog, arranged alphabetically by discipline.

Department of Education

Majors

Bachelor of Arts, Elementary Education

Bachelor of Arts, Special Education

Bachelor of Arts, Secondary Education

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

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

Political Science Second Teaching Field Emphasis

Psychology Second Teaching Field Emphasis

Social Science Teaching Area Emphasis

Social Science Second Teaching Field Emphasis

Spanish Teaching Area Emphasis

Spanish First Teaching Field Emphasis

Spanish Second Teaching Field Emphasis

Department of Social Work

Majors

Bachelor of Arts, Social Work

Minors

Social Welfare

Department of Education

Faculty: Karen Blacklock (Department Chair), Jim Bader, Cathy Beals, Jan Cantrell, Terry Cantrell, Janet Harman, Lynette Hill, Phyllis McMillin, Michael Poe, Duane Slemmer, Karen Smucker and Debra Ujiye.

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.

Learning Objectives: Objectives for graduation from NNU's education programs are grounded in the Critical/Social conceptual framework. Objectives are clearly aligned with state standards and university outcomes.

1. **Citizenship/Democratic Society:** Graduates of education programs will promote democratic values, facilitate equal voice and equal access for all students and parents, examine and challenge social inequities in schools and communities, and formulate responses to local and global issues in education. (Social Responsiveness)
2. **Liberal Arts/Continuing Learning:** Graduates of education programs will value learning, evidence breadth of knowledge, and demonstrate an inquiry-based habit of mind. They will be effective communicators who question educational assumptions and use educational research to stimulate reflection and inform classroom practice. (Academic Excellence)
3. **Professional Knowledge and Skills:** Through a learner-centered approach, graduates of education programs will apply theories, strategies, and research in teaching and learning to challenge, interest, accommodate, and assess a diverse student population. They will relate to students and families in a manner that stimulates learning and creates a positive, productive environment. They will use reflection to improve teaching and learning. (Creative Engagement, Christlike Character, Social Responsiveness)
4. **Role of Schooling:** Graduates of education programs will demonstrate understanding of the historical and philosophical purposes of schools and a range of legal and societal influences. They will use their knowledge to make decisions about their teaching and work to improve school conditions and educational opportunities for all. (Academic Excellence, Social Responsiveness)

Learner-Centered Approach

To facilitate mastery of the knowledge base and outcomes, the teacher education program is built on learner-centered principles. This means that all learners, both faculty and students, collaborate to provide a learning community that encourages individuals to build foundations on which they can create meaningful, coherent uses of knowledge.

ADMINISTRATOR

The Chair is the administrator of the Education Department. The Director of Teacher Education has oversight responsibilities for the education programs across campus.

ACCREDITATION

The teacher education program is accredited by the Northwest Association of Schools and Colleges and 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 and the Association of Independent Liberal Arts Colleges of Teacher Education.

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/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 work taken at NNU.
2. **Dispositions for teaching.** These values, commitments, and professional ethics are listed on the Professional Progress Report in the Teacher Education Handbook. 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 COMPASS scores of 86 on English and 46 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 dispositions for teaching.

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 test of content (PRAXIS II test).
3. Demonstrating ability in planning, instruction, assessment, and student management and motivation during methods practicum, and,
4. Satisfactory ratings on dispositions for teaching.

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 4420, 4440, 4450, 4460, and 4810.

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 test of content (PRAXIS II test).
3. Demonstrating ability in planning, instruction, assessment, and student management and motivation, and
4. Satisfactory ratings on dispositions for teaching.

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 exams, and been recommended by the Teacher Education Council for certification.

Majors

Bachelor of Arts, Elementary Education

Bachelor of Arts, Special Education

Bachelor of Arts, Secondary Education

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

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

Political Science Second Teaching Field Emphasis

Psychology Second Teaching Field Emphasis

Social Science Teaching Area Emphasis

Social Science 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: 55 credits in professional education; 42-43 other required credits, most of which also meet general education requirements.

Professional Education Courses:

- *EDUC1100. Introduction to Teaching (1)
- EDUC2110. Educational Psychology (3)
- EDUC2250. Cultural Diversity in Education (2)
- EDUC2750. Technology in the Classroom (2)
- *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)
- *EDUC4420. Methods of Instruction for the Elementary Classroom (9)
- *EDUC4440. Elementary Internship I (2)
- *EDUC4450. Elementary Internship II (12)
- *EDUC4460. Assessment and Intervention in Reading (3)
- *EDUC4810. Elementary School Start-Up (1)

One course selected from:

- ARDE3330. Teaching Art in the Elementary School (3)
- KINE3380. Teaching Physical Education in the Elementary School (2)

*Courses must be taken at Northwest Nazarene University.

Other Required Courses:

English

- ENGL1020. English Composition (3)
- ENGL2020. Research Writing and Critical Thinking (3)
- ENGL2120. English Grammar and Usage (2)
- ENGL3740. Children's Literature (3)

Social Science

- 12 elective credits including:
- U.S. History
- Non-U.S. History
- GEOG1050. Introduction to Geography (3)

Mathematics

- MATH2010. Fundamental Mathematical Structures I (3)
- MATH2020. Fundamental Mathematical Structures II (3)

Science

- 2 science electives in different areas, including one lab (7)

Fine Arts

- Art history/Music literature elective (3)

Health

- KINE1000. Fundamentals of Wellness (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 and content courses in the elementary major with a grade of C (2.0) or better.
4. Maintain a 2.75 or better cumulative GPA.
5. Pass the PRAXIS II elementary content and pedagogy tests.
6. Pass the Idaho Comprehensive Literacy Assessment (ICLA).
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.

Accelerated Certification for Educators (ACE) Elementary

Objective: The ACE Program offers a Bachelor of Arts in Elementary Education in an accelerated delivery format for students 23 years of age and older with at least 68 college credits upon entry.

Administrator: Director, ACE Program

Requirements: 49 credits in professional education; 40 other required credits, most of which also meet general education requirements.

Professional Education Courses:

- *EDUC1100. Introduction to Teaching (1)
- EDUC2110. Educational Psychology (3)
- EDUC2250. Cultural Diversity in Education (2)
- EDUC2750. Technology in the Classroom (2)
- *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)
- *EDUC4460. Assessment and Intervention in Reading (3)
- *EDUC4540. Methods of Teaching Social Studies and Language Arts in the Elementary Classroom - ACE (4)
- *EDUC4550. Methods of Teaching Science and Mathematics in the Elementary Classroom - ACE (4)
- *EDUC4900. Student Teaching in Elementary Schools - ACE (10)

One course selected from:

ARDE3330. Teaching Art in the Elementary School (3)

KINE3380. Teaching Physical Education in the Elementary Schools (2)

*Courses must be taken at Northwest Nazarene University.

Other Required Courses:**English**

ENGL1020. English Composition (3)

ENGL2020. Research Writing and Critical Thinking (3)

ENGL2120. English Grammar and Usage (2)

ENGL3740. Children's Literature (3)

Social Science

12 elective credits including:

U.S. History

Non-U.S. History

GEOG1050. Introduction to Geography (3)

Mathematics

MATH2010. Fundamental Mathematical Structures I (3)

MATH2020. Fundamental Mathematical Structures II (3)

Science

2 science electives in different areas including one lab (7)

Fine Arts

Art history/Music literature elective (3)

Health

KINE1000. Fundamentals of Wellness (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 and content courses in the elementary major with a grade of C (2.0) or better.
4. Maintain a 2.75 or better cumulative GPA.
5. Pass the PRAXIS II elementary content and pedagogy tests.
6. Pass the Idaho Comprehensive Literacy Assessment (ICLA).
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.

Checkpoint 1: End of First Semester - Admission to Teacher Education

Application for admission to teacher education should be made during the first semester in the ACE program. Upon completion of the first semester of coursework, candidates will be interviewed and evaluated. Decision factors about admission to the program include oral interview, cumulative GPA (2.75), ACT/Compass scores, grade of C or better in all courses in the major, writing samples, field experience reports, and disposition reports.

Checkpoint 2: End of Second Semester

Upon completion of the second semester of coursework, candidates' files will be evaluated. Decision factors about proceeding in the ACE program include PRAXIS II content area test scores, cumulative GPA (2.75), ACT/Compass scores, grade of C or better in all courses in the major, field experience reports, and disposition reports.

Checkpoint 3: End of Third Semester - Admission to Student Teaching

Upon completion of the third semester of coursework, candidates' files will be evaluated. Decision factors about admission to student teaching include PRAXIS II content test scores, cumulative GPA (2.75), grade of C or better in all courses in the major, field experience reports, and disposition reports.

Checkpoint 4: Program Completion and Recommendation for Certification

Upon completion of student teaching, candidates' performance will be evaluated. Decision factors about recommendation for certification include PRAXIS II content and pedagogy test scores, evaluations by cooperating teacher and NNU supervisors as assessed through Framework for Teaching assessments, cumulative GPA (2.75), ACT/Compass scores, grade of C or better in all courses in the major, and disposition reports.

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

Professional Education Courses:

- *EDUC1100. Introduction to Teaching (1)
- EDUC2250. Cultural Diversity in Education (2)
- EDUC2750. Technology in the Classroom (2)
- *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)
- EDUC3330. Teaching Art in the Elementary School (3)
- *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)
- *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)
- *Courses must be taken at Northwest Nazarene University

Other Required Courses:

English

- ENGL1020. English Composition (3)
- ENGL2020. Research Writing and Critical Thinking (3)
- ENGL3740. Children's Literature (3)

Mathematics

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

Psychology

- PSYC1550. Introduction to Psychology (3)
- PSYC2100. Lifespan Development (3)
- PSYC2110. Educational Psychology (3)

Science

- 2 science electives in different areas, including one lab (7)

Social Science

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

Speech

- COMM1210. Introduction to Public Speaking (2)

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 and content courses in the special education major with a grade of C (2.0) or better.
4. Maintain a 2.75 or better cumulative GPA.
5. Pass the PRAXIS II elementary content test.
6. Pass two PRAXIS II special education tests: Education of Exceptional Students: (1) Core Content; and (2) Mild to Moderate Disabilities.
7. Pass the Idaho Comprehensive Literacy Assessment (ICLA).
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.

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 (35 credits) including:

- *EDUC1100. Introduction to Teaching (1)
- EDUC2110. Educational Psychology (3)
- EDUC2250. Cultural Diversity in Education (2)
- EDUC2750. Technology in the Classroom (2)
- *EDUC2960. Field Experience (1)
- EDUC3150. Education of Exceptional Children (3)
- *EDUC3410. Content Literacy in Secondary Classrooms (3)
- *EDUC3510. Teaching Methods in Secondary Classrooms (3)
- *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)
- *EDUC4860. Student Teaching in the Middle School/Junior High School (12); or,
- *EDUC4870. Student Teaching in the Senior High School (12)
- * 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:
Teaching areas: art, biology, chemistry, English, kinesiology, mathematics, music, social science, Spanish.
First teaching fields: biology, chemistry, English, history, kinesiology, mathematics, Spanish.
Second teaching field: art, biology, chemistry, communication, English, health, history, kinesiology, mathematics, music, physics, political science, psychology, social science, 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 and required content courses with a grade of C (2.0) or better.
5. Pass the PRAXIS II content test(s) in teaching area or fields.
6. 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:

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
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
Political Science Second Teaching Field Emphasis
Psychology Second Teaching Field Emphasis
Social Science Teaching Area Emphasis
Social Science Second Teaching Field Emphasis
Spanish Teaching Area Emphasis
Spanish First Teaching Field Emphasis
Spanish Second Teaching Field Emphasis

Art Teaching Area Emphasis (K-12)

Requirements: 45 credits of which 27 shall be numbered above 2999.

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)
ARDE3750. Art History 2 (3)
ARDE3330. Teaching Art in the Elementary School (3)
ARDE3530. Teaching Art in Secondary Schools (3)
ARDE4870. Senior Exhibition (1-3) (3 required)
Nine credits in art numbered above 2999 (9)

Art Second Teaching Field Emphasis (K-12)

Requirements: 24 credits

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 Elementary School (3)
ARDE3530. Teaching Art in Secondary Schools (3)
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; 35 credits must be 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)
BIOL3160. Plant Taxonomy (3), and
BIOL3160L. Plant Taxonomy Laboratory (1)
BIOL3240. Plant and Animal Ecology (3)
BIOL3720. Genetics (3), and
BIOL3720L. Genetics Laboratory (1)
BIOL3740. Origins (3)
CHEM2210. General Chemistry I (3), and
CHEM2210L. General Chemistry I Laboratory (1)
CHEM2220. General Chemistry II (3), and
CHEM2220L. General Chemistry II Laboratory (1)
EDUC3640. Teaching Science in the Secondary School (2)

A minimum of four credits from the following zoology electives:

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)
BIOL3360. Vertebrate Comparative Anatomy(3), and
BIOL3360L. Vertebrate Comparative Anatomy Laboratory (1)
BIOL3620. Vertebrate Physiology (3), and
BIOL3620L. Vertebrate Physiology Laboratory (1)
BIOL3094. Special Topics in Biology: Amphibians of Idaho (3)

Nine additional credits of science electives (six of which must be biology electives numbered 2000 or above).

Biology First Teaching Field Emphasis

Requirements: 34 credits with 32 credits from the areas of biology numbered 2000 or 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)
BIOL3160. Plant Taxonomy (3), and
BIOL3160L. Plant Taxonomy Laboratory (1)
BIOL3240. Plant and Animal Ecology (3)
BIOL3720. Genetics (3); and,
BIOL3720L. Genetics Laboratory (1)
BIOL3740. Origins (3)
EDUC3640. Teaching Science in the Secondary School (2)

A minimum of four credits from the following zoology electives:

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)
BIOL3360. Vertebrate Comparative Anatomy(3); and,
BIOL3360L. Vertebrate Comparative Anatomy Laboratory (1)
BIOL3620. Vertebrate Physiology (3), and
BIOL3620L. Vertebrate Physiology Laboratory (1)
BIOL3094. Special Topics in Biology: Amphibians of Idaho (3)

Six additional credits of biology electives numbered 2000 or above.

Biology Second Teaching Field Emphasis

Requirements: 25 credits with 23 credits from the areas of biology numbered 2000 or 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)
BIOL3160. Plant Taxonomy (3), and
BIOL3160L. Plant Taxonomy Laboratory (1)
BIOL3240. Plant and Animal Ecology (3)
BIOL3720. Genetics (3); and,
BIOL3720L. Genetics Laboratory (1)
EDUC3640. Teaching Science in the Secondary School (2)

A minimum of four credits from the following zoology electives:

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)
BIOL3360. Vertebrate Comparative Anatomy (3), and
BIOL3360L. Vertebrate Comparative Anatomy Laboratory (1)
BIOL3620. Vertebrate Physiology (3), and
BIOL3620L. Vertebrate Physiology Laboratory (1)
BIOL3094. Special Topics in Biology: Amphibians of Idaho (3)

Chemistry Teaching Area Emphasis

Requirements: 47 credits of chemistry and related courses

BIOL2220. General Biology I (3); and,
BIOL2220L. General Biology I 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)
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 (1)
MATH1510. Survey of Calculus (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)
EDUC3640. 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 First Teaching Field Emphasis

Requirements: 32 credits of chemistry and related 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)
CHEM3510. Thermodynamics and Kinetics (3)
CHEM3620. Integrated Laboratory I (1)
CHEM4610. Integrated Laboratory II (1)
* CHEM4970. Research (1-6)

CHEM4980. Senior Seminar (1)

EDUC3640. Teaching Science in the Secondary School (2)

MATH1510. Survey of Calculus (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 Second Teaching Field Emphasis

Requirements: 24 credits in chemistry; 2 credits education 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)

EDUC3640. Teaching Science in the Secondary School (2)

Communication Second Teaching Field Emphasis

Requirements: 20 credits

COMM1010. Introduction to Communication (3)

COMM2010. Small Group Communication (3)

COMM2020. Media Literacy (3)

COMM2030. Interpersonal Communication (3)

COMM3210. Advanced Public Speaking (3)

EDUC3650. Teaching Communication Studies in Secondary Schools (2)

One course selected from:

COMM3420. Persuasion (3)

COMM3500. Argumentation and Debate (3)

English Teaching Area Emphasis

Requirements: 47 credits of which 26 shall be above 2999

ENGL2610. Introduction to Journalism (3); or,

COMM2600. Introduction to Performance (3)

ENGL2980. Introduction to the Study of Literature (1)

EDUC/ENGL3010. Methods of 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 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

ENGL2980. Introduction to the Study of Literature (1)
ENGL2122. English Grammar and Usage/Linguistics and History (3)
EDUC/ENGL3010. Methods of 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 English course (3)

Recommended:

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

ENGL2610. Introduction to Journalism (3); or,

COMM2600. Introduction to Performance (3)

English Second Teaching Field Emphasis

Requirements: 24 credits of which 9 shall be above 2999

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

EDUC/ENGL3010. Methods of 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: 20-21 credits

KINE2430. Health Issues in Today's Society (3)

KINE2730. Nutrition Across the Lifespan (2)

KINE2960. Field Experience in Kinesiology (1)

EDUC/KINE3350. Teaching Health in the Secondary Schools (2)

KINE3640. Biomechanics/Exercise Physiology (3)

KINE4560. Administration and Supervision of HPER (3)

One course from the following:

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)

One course selected from the following (2-3 credits):

PSYC1250. Psychology for Life (2)

PSYC1550. Introduction to Psychology (3)

PSYC2100. Lifespan Development (3)

PSYC2110. Educational Psychology (3)

PSYC3360. Child Psychology (2)

PSYC3660. Adolescent Psychology (2)

All Health, Second Teaching Field-Education majors must present evidence of successful completion of a First Aid/CPR course (American Red Cross Preferred) to the Kinesiology Department Chair prior to graduation.

History First Teaching Field Emphasis

Requirements: 35 credits of which 20 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)

HIST3390. Recent America (3)

POLS1010. American National Politics (3)

EDUC3580. Teaching Social Studies in the Secondary School (2)

Fifteen credits in history numbered above 2999 (15)

History Second Teaching Field Emphasis

Requirements: 23 credits of which 14 credits shall be numbered above 2999

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

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

HIST3390. Recent America (3)

POLS1010. American National Politics (3)

EDUC3580. Teaching Social Studies in the Secondary School (2)

Nine credits in history numbered above 2999 (9), 3 of which are in world history.

Kinesiology Teaching Area Emphasis (K-12)

Requirements: 48 credits

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)

KINE1000. Fundamentals of Wellness (1)

KINE1240. Life Guarding (1) or current certification

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

KINE2960. Kinesiology Field Experience (1)

EDUC/KINE3350. Teaching Health in the Secondary Schools (2)

EDUC/KINE3360. Teaching PE in the Secondary Schools (2)

KINE3380. Teaching PE in the Elementary 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)

All Kinesiology-Education majors must present evidence of successful completion of a First-Aid/CPR course (American Red Cross Preferred) to the Kinesiology Department Chair prior to graduation.

All Kinesiology-Education majors are required to pass fitness component tests as set forth by the Kinesiology Department prior to graduation.

Kinesiology First Teaching Field Emphasis (K-12)

Requirements: 40 credits

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)
EDUC/KINE3350. Teaching Health in the Secondary Schools (2)
EDUC/KINE3360. Teaching Physical Education in the Secondary Schools (2)
KINE3380. Teaching Physical Education in the Elementary 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)

Choose one of the following:

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)

All Kinesiology-Education majors seeking certification in Kinesiology as a First or Second Teaching Field 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 Kinesiology-Education majors are required to pass fitness component tests as set forth by the Kinesiology Department prior to graduation.

Kinesiology Second Teaching Field Emphasis (K-12)

Requirements: 30 credits

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
EDUC/KINE3360. Teaching Physical Education in the Secondary Schools (2)
EDUC/KINE3380. Teaching Physical Education in the Elementary 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:

- BIOL 2010 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)

All Kinesiology-Education majors seeking certification in Kinesiology as a First or Second Teaching Field 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 Kinesiology-Education majors are required to pass fitness component tests as set forth by the Kinesiology Department prior to graduation.

Mathematics Teaching Area Emphasis

Requirements: 45 credits in mathematics (including COMP1220) of which 23 shall be numbered above 2999; 4 credits in physics; 2 credits in education methods.

- 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)
- MATH4320. Modern Algebra (4)
- MATH4510. Introduction to Real Analysis (4)
- Seven mathematics elective credits (7)
- COMP1220. Introduction to Computer Science (3)
- EDUC3570. Teaching Mathematics in the Secondary School (2)

Choose one of the following:

- 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)

Mathematics First Teaching Field Emphasis

Requirements: 34 credits in mathematics (including COMP1220) of which 15 shall be numbered above 2999; 2 credits in education methods.

- COMP1220. Introduction to Computer Science (3)
- EDUC3570. Teaching Mathematics in the Secondary School (2)
- 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)
- MATH4320. Modern Algebra (4)

Mathematics Second Teaching Field Emphasis

Requirements: 22-23 credits in mathematics

- 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)
- EDUC3570. Teaching Mathematics in the Secondary School (2)

One course selected from the following:

- 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: 52 credits in music; 8 credits in applied lessons

- MUSC1200. Beginning Music Theory I (3)
- 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 Lab II (1)
- MUSC2240. Improvisation (3)
- MUSC2350B. Brass (1)
- MUSC2350P. Percussion (1)
- MUSC2350S. Strings (1)
- MUSC2350W. Woodwinds (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. Choral Conducting, Methods, and Materials (3)
- MUSC3630. Instrumental Conducting Methods, and Materials (3)
- 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

An acceptable level of music keyboard proficiency shall be determined by examination before enrolling for student teaching. Students may acquire needed skills by taking available piano courses.

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. 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 Music Department office.

Note: Most students require more than 8 semesters to complete this program.

Music Second Teaching Field Emphasis (K-12)

Requirements: 26 credits

- MUSC1200. Beginning Music Theory I (3)
- 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)
- MUSC3600. Choral Conducting (2)
- Two credits in a performance medium, instrument, or voice (2)
- Three credits numbered above 2999 selected in consultation with major advisor (3)

Physics Second Teaching Field Emphasis

Requirements: 36 credits including 20 in physics; 14 credits in math

- EDUC3640. Teaching Science in the Secondary School (2)
- 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)

Two courses selected from the following:

- PHYS3410. Analytic Mechanics (3) *
- PHYS3420. Vibrations and Waves (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.

Political Science Second Teaching Field Emphasis

Requirements: 23 credits

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)

POLS3610. Comparative Politics (3)

POLS4420. Civil Rights and Civil Liberties (3)

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

One course selected from:

POLS3310. Presidential Power: The Politics of Leadership (3)

POLS3330. U.S. Foreign Policy (3)

Note: For endorsement in Political Science in Idaho, students must also take 6 credits of U.S. History survey.

Psychology Second Teaching Field Emphasis

Requirements: 21 credits in psychology of which 11 shall be numbered above 2999

Social Science Teaching Area Emphasis

Requirements: 47 credits

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)

GEOG1050. Introduction to Geography (3)

ECON2410. Microeconomic Analysis (3)

ECON2420. Macroeconomic Analysis (3)

EDUC3580. Teaching Social Studies in the Secondary School (2)

POLS1010. American National Politics (3)

POLS1030. The Foundations of Politics: The Quest for Peace and Justice (3); or,

POLS3410. American Political Thought and Ideology (3)

POLS4420. Civil Rights and Civil Liberties (3)

SOGY1550. Introduction to Sociology (3)

Nine credits in social science numbered above 2999 of which 6 are History (9)

Social Science Second Teaching Field Emphasis

Requirements: First teaching field in history; 21 credits (of which 3 shall be numbered above 2999) including at least 3 credits from each of the following areas:

Economics, Geography, Political Science, Psychology, Sociology, and World History

Spanish Teaching Area Emphasis

Requirements: 45 credits in Spanish of which 35 credits shall be numbered above 2999.

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:

SPAN3310. Hispanic Civilization (3) repeatable

SPAN3094. Topics in Hispanic Culture, Literature, or Linguistics (cultural topic, 3)

One course selected from Spanish or Hispanoamerican literature:

SPAN3510. Survey of Hispanic Literature (3) repeatable

SPAN3094. Topics in Hispanic Culture, Literature or Linguistics (literature topic, 3)

One course selected from Spanish or Hispanoamerican linguistics:

SPAN3420. Introduction to Spanish Linguistics (3)

SPAN3094. Topics in Hispanic Culture, Literature, or Linguistics (linguistics topic, 3)

Twenty elective credits in Spanish which shall be numbered above 2999 (20)

Additionally, Spanish as a Teaching Area majors are also 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 Behavioral Sciences and Cultural Studies.

Spanish First Teaching Field Emphasis

Requirements: 30 credits of which 22 shall be numbered above 2999

SPAN2010. Intermediate Spanish (4)

SPAN2020. Intermediate Spanish (4)

SPAN3010. Advanced Conversation and Composition (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)

SPAN3630. Teaching Foreign Language in the Secondary School (2)
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 12 shall be numbered above 2999

SPAN2010. Intermediate Spanish (4)

SPAN2020. Intermediate Spanish (4)

SPAN3630. Teaching Foreign Language in the Secondary School (2)

12 credits in Spanish numbered above 2999 representing two of the following areas: (12)

Culture (including history and civilization)

Linguistics

Literature

Accelerated Certification for Educators (ACE) Secondary (post bac)

Objective: The ACE Program offers state-approved certification in an accelerated delivery format for students 23 years of age and older with a bachelor's degree in a content area upon entry. Much of the required coursework for secondary certification also fulfills requirements for the NNU master's program in Curriculum and Instruction.

Administrator: Director, ACE Program

Requirements: See catalog for list of required courses and program certification requirements.

Department of Social Work

Faculty: Mary Curran (Department Chair and Director of the MSW program), Caroline Collins (Title IV-E Scholars' Coordinator), Ezekiel Ette, LeAnn Stensgaard (Director of the B.A. program), Lawanna Lancaster (Field Director), Mamie Oliver, Patrece Meza (B.A. Faculty Field Liaison), Al Sanchez, Scott Slater (Title IV-E Foster Care/Adoption Coordinator), Terri Theriot

Learning Objectives:

1. Academic Excellence: NNU social work graduates will demonstrate understanding and appreciation of the liberal arts, expertise in generalist social work practice, and a commitment to the ethical principles and value base of their profession.
2. Creative Engagement: NNU social work graduates will be encouraged to apply their natural gifts and acquired professional knowledge and skills to respond both critically and creatively to their home, work and community environments.
3. Christlike Character: NNU social work graduates will grow towards Christlikeness: demonstrating ethical behavior, showing love and respect for others, offering grace as they have received it, seeking to overcome oppression in all forms, and representing Christ to the world.
4. Social Responsiveness: NNU social work graduates will be faithful stewards of their knowledge, skills and resources, and be agents of social justice and divine mercy. Compassionately they will show love for members of all faiths and cultures.

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 for acceptance to take methods courses:

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.

Majors

Bachelor of Arts, Social Work

Minors

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:

- 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)
- 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)
- SOWK3590. Skills Practicum (1)
- SOWK3591. Skills Practicum (1)
- SOWK3750. Social Welfare Policy (3)
- SOWK3970. Social Work Research and Statistics I (2)
- SOWK3971. Social Work Research and Statistics II (2)
- SOWK4094. Topics in Social Work (1)
- SOWK4960. Advanced Practicum in Social Work (4)
- SOWK4961. Advanced Practicum in Social Work (4)
- SOWK4980. Senior Field Seminar (1)
- SOWK4981. Senior Field Seminar (1)
- PSYC3450. Abnormal Psychology (3)

Foundation Courses:

- PSYC1550. Introduction to 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)
- 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)

School of Science and Mathematics

Dean of the School of Science and Mathematics: Dan Nogales

The School of Science and Mathematics provides programs related to the sciences, mathematics, and medicine. Several of these programs lead directly to careers or professions, while others provide undergraduate preparation for admission to graduate or professional schools.

The five departments in this school are: Biology, Chemistry, Mathematics and Computer Science, Military Science, and Physics and Engineering. Majors and programs available in the school are:

Pre-Professional Programs

Pre-Medical
Pre-Dental
Pre-Optometry
Pre-Physician Assistant
Pre-Veterinary Medicine
Pre-Dental Hygiene
Pre-Pharmacy

Department of Biology

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

Department of Chemistry

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

Department of Mathematics and Computer Science

Majors

Bachelor of Science, Computer Science

Bachelor of Science, Mathematics

Bachelor of Arts, Computer Science

Bachelor of Arts, Mathematics

Computer Science Education

See Secondary Education: Computer Science Second Teaching Field

Mathematics Education

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

Mathematics Second Teaching Field

Minors

Computer Science

Mathematics

Department of Military Science

Minor

Military Science

Department of Physics and Engineering

Majors

Bachelor of Science, Engineering

Electrical Engineering Emphasis

Mechanical Engineering Emphasis

Computer Engineering Emphasis

Bachelor of Science, Engineering Physics

Bachelor of Science, Engineering and Engineering Missions or Engineering Physics and Engineering Missions

Bachelor of Science, Physics

Bachelor of Arts, Physics

Physics Education

See Secondary Education: Physics Second Teaching Field

Minor

Minor, Physics

Pre-Professional Programs

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

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.

The majority of professional schools require the following courses:

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)
CHEM3210. Organic Chemistry I (3); and,
CHEM3210L. Organic Chemistry I Laboratory (1)
CHEM3220. Organic Chemistry II (3); and,
CHEM3220L. Organic Chemistry II Laboratory (1)
ENGL1020. English Composition (3)
MATH2510. Calculus I (4)

Complete one of the following 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); and,
PHYS2120. Physics for Science and Engineering II (3); and,
PHYS2120L. Physics for Science and Engineering II Laboratory (1)

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

Pre-Dental Hygiene

Students interested in a career in the profession of dental hygiene can pursue the following curriculum at NNU for two years and then apply to a college or university that offers a Baccalaureate degree in Dental Hygiene. The following suggested schedule is designed for those students planning on enrolling as juniors at Idaho State University (ISU) in its dental hygiene program. Students wishing to transfer to another dental hygiene school should pattern their curriculum to the prerequisites of that specific school. However, the admission requirements for most dental hygiene schools are similar to those of ISU. An Introduction to Dental Hygiene course is required by ISU and can be taken as a correspondence course.

Suggested 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)
BIOL2220. General Biology I (3); and,
BIOL2220L. General Biology I Laboratory (1)
BIOL2420. Microbiology (3); and,
BIOL2420L. Microbiology Laboratory (1)
CHEM1200. Principles of General Chemistry (3); and,
CHEM1200L. Principles of General Chemistry Laboratory (1)

CHEM1210. Principles of Organic and Biochemistry (3); and,
CHEM1210L. Principles of Organic and Biochemistry Laboratory (1)
COMM1210. Introduction to Public Speaking (2)
ENGL1020. English Composition (3)
ENGL2020. Research Writing and Critical Thinking (3)
KINE2730. Nutrition Across the Lifespan (2)
MATH2240. Elementary Statistics (3)
PSYC1550. Introduction to Psychology (3)
SOGY1550. Introduction to Sociology (3)
Two humanities elective courses (4-8)

Pre-Pharmacy

Students interested in a career in pharmacy can pursue their career by completing the following program recommended by Idaho State University (ISU) and then applying to their Doctor of Pharmacy (commonly called Pharm. D.) program. The complete program requires six years.

Students wishing to consider other pharmacy programs should request pre-pharmacy program requirements from the school of interest and design their academic program to meet those specific requirements. However, admission requirements for most pharmacy programs are similar.

BIBL1100. Introduction to Biblical Studies (3)
BIOL2220. General Biology I (3); and,
BIOL2220L. General Biology I Laboratory (1)
BIOL2230. General Biology II (3); and,
BIOL2230L. General Biology II Laboratory (1)
BIOL2420. Microbiology (3); and,
BIOL2420L. Microbiology 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)
CHEM3210. Organic Chemistry I (3); and,
CHEM3210L. Organic Chemistry I Laboratory (1)
CHEM3220. Organic Chemistry II (3); and,
CHEM3220L. Organic Chemistry II Laboratory (1)
COMM1210. Introduction to Public Speaking (2)
ECON2420. Macroeconomic Analysis (3)
ENGL1020. English Composition (3)
ENGL2020. Research Writing and Critical Thinking (3)
MATH2510. Calculus I (4)

Complete one of the following physics 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);

THEO2100. Introduction to Christian Theology (3)
Humanities (6)
Social Science (9)

Council for Christian Colleges and Universities

Sponsored Programs

The coalition Semester Studies Program includes a Tropical and Global Sustainability track in Costa Rica as part of its Latin American Studies Program.

Affiliated Program

Au Sable Institute Of Environmental Studies

Northwest Nazarene University offers several courses that have an ecology/biodiversity emphasis and that include a field component. However, to increase the available opportunities for students interested in the environment and conservation, the university is affiliated with the Au Sable Institute. Students may take Au Sable courses and receive NNU credits that are counted as electives in the NNU biology and chemistry majors. The basic mission of the Au Sable Institute is to teach and promote responsible care and use of the Creation and its creatures. Students have an opportunity to take courses in a variety of settings including: the Great Lakes Forest in Michigan (Great Lakes), Florida, and India. Students who complete an integrated program with Au Sable can receive one of several Institute Certificates: Naturalist, Land Resource Analyst, Water Resource Analyst, and Environmental Analyst from the state of Michigan. Each participating college is allotted financial aid for its students who attend. Interested students should visit the Au Sable website www.ausable.org and should contact the Department Chair of Biology.

Below are some of the listed courses regularly taught at Au Sable Institute of Environmental Studies (see Au Sable Bulletin for complete listing). Each course emphasizes Christian stewardship of natural resources as its integrative theme.

- Alpine Ecology: Life in Context of Snow and Ice - Pacific Rim
- Birds and Mammals of South India - India
- Environmental Chemistry - Great Lakes
- Alpine Ecology - Pacific Rim
- Marine Invertebrates - Pacific Rim
- Marine Mammals - Pacific Rim
- Ornithology: Eastern Birds - Great Lakes
- Plant Ecology - Pacific Coast
- Restoration Ecology - Great Lakes
- Tropical Mountain Ecology - India
- Wetland Ecology - Great Lakes
- Wildlife Ecology - Great Lakes
- Woody Plants - Great Lakes

Department of Biology

Faculty: John Cossel, Jr. (Department Chair), Jennifer Chase, Ronald Strohmeyer, Jamee Nixon, William Robison

Goals:

1. Graduates will be able to collect and analyze scientific data using a variety of modern techniques and resources. Students will be able to integrate the information into professionally acceptable written and oral forms. (Academic Excellence)
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 able to contribute inspired solutions to biologically relevant questions for both humanity and the living world at large. (Creative Engagement)
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 maximize stewardship of God's creation and the ecosystems in which we live. (Social Responsiveness)
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. (Christ-like Character)

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

Minors

Minor, Biology

Bachelor of Science, Biology

Administrator: Chair, Department of Biology

Requirements: 55-62 credits, including 36 in biology

The following are the "Core Requirements" for the Bachelor of Science, Biology degree emphases:

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)
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)

BACHELOR OF SCIENCE, BIOLOGY, 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.

BACHELOR OF SCIENCE, BIOLOGY, 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 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)

Or obtain NNU credit for the following Au Sable courses** (see Department Chair for additional information).

Birds and Mammals of South India (4) - India

Plant Biology (choose 1):

BIOL3160. Plant Taxonomy (3); and,

BIOL3160L. Plant Taxonomy Laboratory (1)

Or obtain NNU credit for the following Au Sable courses** (see Department Chair for additional information).

Woody Plants (4) - Great Lakes

Forest Ecology (4) - Great Lakes

Ecology: Systems and Techniques (Choose 1)

BIOL4240. Field Ecology (3); and,

BIOL4240L. Field Ecology Laboratory (1)

Or obtain NNU credit for the following Au Sable courses** (see Department Chair for additional information)

Wildlife Ecology (4) - Great Lakes

Tropical Mountain Ecology (4) - India

Restoration Ecology (4) - Great Lakes

Wetland Ecology (4) - Great Lakes

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. Additional recommended classes include: General Microbiology, Earth Science, and additional math (see above).

* BIOL4980 must be taken at Northwest Nazarene University

** Other Au Sable courses may be substituted with Department approval.

Bachelor of Science, Biology, 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)
MATH2510. Calculus I (4)

Select electives from each of the categories 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)

Molecular

BIOL2420. Microbiology (3); and,
 BIOL2420L. 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)
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)

*BIOL4980. Senior Seminar/Capstone (1)

*BIOL4980 Must be taken at NNU

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-74 credits: 30 must be above 2999

Athletic Training Emphasis-74 credits: 30 must be above 2999

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)

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)
PSYC1550. Introduction to Psychology (3)
BIOL4960. Internship in Physical Therapy (1-4) (4 required)
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)

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

BIOL2420. Microbiology (3); and,
BIOL2420L. 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)
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: 47-48 credits in science and mathematics including a minimum of 34-35 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)
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 16 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 12 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 Chemistry

Faculty: D. Timothy Anstine (Department Chair), 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

Minors

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 56-58 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:

BIOL2230. General Biology II (3); and,
 BIOL2230L. General Biology II 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); **or**,
 *** 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: 24 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 Mathematics and Computer Science

Faculty: Robert DeCloss (Department Chair), Ed Korntved, Barry Myers, Xueyi (Frank) Wang

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 Science

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 science or industry.

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)

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

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)

Choose one of the following options:

COMP1220. Introduction to Computer Science (3)

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)

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.

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)

COMP 4330. Machine Learning and Data Mining (3)

COMP4430. Compilers (3)

* COMP4980 must be taken at Northwest Nazarene University

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.

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

Faculty: Chair and Assistant Professor, Major Rodney Nelson, US Army (Retired), SGM (Retired) Clinton Beers

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.

Minors

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 Physics and Engineering

Faculty: Dan Lawrence (Department Chair), William Packard, Stephen Parke

The Department of Physics and Engineering instructs our students, whether they are departmental majors or students in the general education program, to be creative problem solvers for their careers, future education, and lifetime service. For our majors, we do this by teaching the traditional physics and engineering courses that give them a solid background in the methods, theories, and analytic skills needed to succeed in physics, engineering, or related fields. In the general education program, this is accomplished by teaching basic scientific principles through classes designed to engage the student in interesting topics. In both areas, the department seeks to instill a Christian perspective to the natural world, without compromising scientific principles, through class discussions and assignments. Students are being prepared for careers in industry and government, or for graduate school in engineering and physics.

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, AutoCAD, maple, LabView, Word and Excel. They will be able to use standard scientific equipment such as DMM's, oscilloscopes, data acquisition equipment (DAC/ADS, GPIB), computers (as data gathering tool), 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 engineering designs and other applications employing both theoretical and practical knowledge in their field. (Academic Excellence)

Majors

Bachelor of Science, Engineering

Electrical Emphasis

Mechanical Emphasis

Computer Engineering Emphasis

Bachelor of Science, Engineering Physics

Bachelor of Science, Engineering and Engineering Missions or Engineering Physics and Engineering Missions

Bachelor of Science, Physics

Bachelor of Arts, Physics

Physics Education

See Secondary Education: Physics Second Teaching Field

Minors

Physics

Bachelor of Science, Engineering

Objective: To prepare students for careers in industry and government, or for graduate school in engineering.

Administrator: Chair, Department of Physics and Engineering

Requirements: 73-74 credits including 61-62 in engineering of which 28-29 shall be numbered above 2990.

ENGR1010. Introduction to Engineering (3)
ENGR1050. Engineering Graphics and Design (3)
ENGR2100. Engineering Statics (3)
ENGR2310. Instrumentation and Measurements Lab I (1)
ENGR2320. Instrumentation and Measurements Lab II (1)
ENGR2400. Engineering Economics (3)
ENGR3100. Mechanics of Materials (3)
ENGR3110. Engineering Thermodynamics (3)
ENGR3200. Electrical Circuits (3); and
 ENGR3200L. Electrical Circuits Laboratory (1)
ENGR4971. Senior Design Project I (2)
ENGR4972. Senior Design Project II (2)
*ENGR4980. Senior Seminar/Capstone (1)
MATH2510. Calculus I (4)
MATH2520. Calculus II (4)
MATH3240. Probability and Statistics I (3)
MATH3530. Vector Calculus (3)
MATH3540. Differential Equations (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)
COMP2120. Introduction to Scientific Programming (3)

Electrical Engineering Emphasis

ENGR3210. Analog Electronics (3); and,
 ENGR3210L. Analog Electronics Laboratory (1)
ENGR3220. Digital Electronics (3); and,
 ENGR3220L. Digital Electronics Laboratory (1)
ENGR3230. Digital Signal Processing (3)
ENGR4200. Communication Systems (3)
ENGR4250. Electromagnetic Theory (3)

Mechanical Engineering Emphasis

ENGR3120. Dynamics (3)
ENGR3130. Vibrational Analysis (3)
ENGR3140. Heat Transfer (3)
ENGR4100. Fluid Mechanics (3)
ENGR4110. Machine Design (3)
ENGR4120. Advanced Mechanical Engineering Laboratory (1)

Computer Engineering Emphasis

COMP2220. Computer Programming in C++ (3); and
COMP2220L. Computer Programming in C++ Laboratory (1)
ENGR3220. Digital Electronics (3); and,
ENGR3220L. Digital Electronics Laboratory (1)
ENGR3230. Digital Signal Processing (3)
ENGR3300. Introduction to Microprocessors and Microcomputers (3)
ENGR4300. Microcomputer Design (3)
* ENGR4980 must be taken at Northwest Nazarene University

Bachelor of Science, Engineering Physics

Objective: To prepare students for careers in industry and government, or for graduate school in engineering.

Administrator: Chair, Department of Physics and Engineering

Requirements: 74 credits including 21 in engineering and 30 in physics of which 32 shall be numbered above 2999.

ENGR1010. Introduction to Engineering (3)
ENGR1050. Engineering Graphics and Design (3)
ENGR2100. Engineering Statics (3)
ENGR2310. Instrumentation and Measurements Lab I (1)
ENGR2320. Instrumentation and Measurements Lab II (1)
ENGR3100. Mechanics of Materials (3)
ENGR3200. Electrical Circuits (3); and
ENGR3200L. Electrical Circuits Laboratory (1)
ENGR4250. Electromagnetic Theory (3)
*ENGR4970. Senior Design Project (1)
**ENGR4980. Senior Seminar/Capstone (1)
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)
PHYS3130. Modern Physics (3); and,
PHYS3130L. Modern Physics Laboratory (1)
PHYS3410. Analytic Mechanics (3); **or**,
ENGR3120. Dynamics (3)
PHYS3420. Vibrations and Waves (3); **or**,
ENGR3130. Vibrational Analysis (3)
PHYS3510. Thermodynamics and Statistical Mechanics (3)
PHYS4720. Solid State Physics (3)
CHEM2210. General Chemistry I (3); and,
CHEM2210L. General Chemistry I Laboratory (1)

In addition the student must:

- take the Major Fields Examination in their last semester, and
- show proficiency in a computer programming language. Proficiency is shown by writing a sufficient program as determined by the Chair of the Department, or by receiving a passing grade in COMP2120 or a college level COMP language class.

Neither of the following courses is required; however, they are highly recommended for engineering students and at least one of them will count as a general education requirement in Social Science.

ECON2410. Microeconomic Analysis (3)

ECON2420. Macroeconomic Analysis (3)

For students pursuing a career in the microelectronics industry, PHYS4810. Fundamentals of Quantum Mechanics (3) and CHEM2220. General Chemistry II (3) are strongly recommended.

*A minimum of one credit is required, but a maximum of three credits in ENGR4970 will be allowed toward the major.

**PHYS4980 must be taken at Northwest Nazarene University

Bachelor of Science, Engineering and Engineering Missions or Engineering Physics and Engineering Missions

The engineering missions program will be for students desiring a solid professional engineering degree, but have a desire and calling for either long or short term mission's work. The program is difficult to complete in four years, given the high course demands in engineering, but can be accomplished with the student completing general education courses in the summer. Another possibility is a fifth year of school, with ample opportunity to complete the coursework and project in the extra time. The student would graduate with a BS degree in "Engineering and Engineering Missions" or "Engineering Physics and Engineering Missions" upon completion.

Objective: To prepare students for graduate school or industry in engineering and long or short term mission work.

Administrator: Chair, Department of Physics and Engineering

Requirements:

- All requirements (with exception below) for the B.S. in Engineering (any emphasis) or Engineering Physics Majors.
- Minor in Missions
- Sr. Design Project (ENGR4971 and ENGR4972) replaced with ENGR4973 Engineering Missions Project I and ENGR4974 Engineering Missions Project II.
- General Education Cross Cultural Requirement completed with a two week or greater visit to approved mission field to build and install 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 34 in physics of which 25 shall be numbered above 2999.

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)

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)

PHYS3420. Vibrations and Waves (3)

PHYS3510. Thermodynamics and Statistical Mechanics (3)

PHYS4610. Electricity and Magnetism (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 Major Fields Examination in their last semester, and

- show proficiency in a computer programming language. Proficiency is shown by writing a sufficient program as determined by the Chair of the Department, or by receiving a passing grade in COMP2120 or a college level COMP language class.

The following courses are not required, but are strongly recommended for students pursuing graduate school:

ENGR3210. Analog Electronics (3); and,

ENGR3210L. Analog Electronics Laboratory (1)

ENGR3220. Digital Electronics (3); and,

ENGR3220L. Digital Electronics Laboratory (1)

MATH3320. Linear Algebra (3)

*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)

PHYS3420. Vibrations and Waves (3)

PHYS3510. Thermodynamics and Statistical Mechanics (3)

PHYS4610. Electricity and Magnetism (3)

PHYS4720. Solid State Physics (3)

PHYS4810. Fundamentals of Quantum Mechanics (3)

School of Nursing and Health Sciences

Dean of the School of Nursing and Health Sciences: Dr. Patricia D. Kissell

The School of Nursing and Health Sciences provides programs related to the professional field of nursing and programs designed to lead to careers in the field of kinesiology and health sciences. These programs provide the foundation for graduate students and/or professional teaching.

Department of Nursing

Majors

Undergraduate

Bachelor of Science, Nursing

Graduate

Master of Science, Nursing

Department of Kinesiology

Majors

Bachelor of Arts, Recreation, and Sport Management

Athletic Training

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

Department of Nursing

Faculty: Patricia Kissell (Dept. Chair), Carol Coose, Jan Crabill, Barbara Lester, Sara Patterson, Kattie Payne, Bonnie Zaroban.

Nursing Program Outcomes:

1. Graduates will integrate values reflective of the character of God and the Christian worldview as well as those of professional ethics into their daily practice of nursing.
2. Graduates will exhibit caring behaviors that show respect for the value and uniqueness of persons across the lifespan, as well as for families, groups, and communities of diverse cultural, religious, and economic backgrounds.
3. Graduates will effectively lead nursing teams and actively collaborate with the healthcare team.
4. Graduates will safely integrate the nursing process for individuals, families, groups, and communities based on evidence-based practice and critical thinking.

Major

Bachelor of Science, Nursing

Bachelor of Science, Nursing

Department of Nursing Objectives

The objectives of the Department of Nursing are to:

1. Promote a Christ-like perspective and Christian worldview by facilitating the integration of faith and professional values into the educational process.
2. Prepare graduates to demonstrate caring behaviors that show respect for the value and uniqueness of persons across the lifespan: as well as for families, groups, and communities of diverse cultural, religious, and economic backgrounds.
3. Prepare graduates for leadership in the profession of nursing and for collaboration with the healthcare team.
4. Facilitate students in the intellectual development of nursing knowledge and skills, emphasizing the use of evidence-based practice and critical thinking in the safe application of the nursing process to individual clients, families, groups, and communities.

Administrator: Chair, Department of Nursing

Requirements for Admission to the Bachelor of Science, Nursing Program

1. Submission of an Application for Admission to the Professional Nursing Program.
2. Minimum grade of “C” in courses listed on the Department of Nursing Plan of Study as prerequisite to the Bachelor of Science, Nursing Program.
3. Cumulative GPA of 2.75 on a scale of 4.0 (based on the Department of Nursing Plan of Study).
4. Meet the designated requirements of a standardized entrance examination.
5. Meet health requirements.

Prerequisite Courses for Admission to the Bachelor of Science, Nursing Program

Applicants for admission to the Bachelor of Science, Nursing Program will be accepted based on successful completion in the following prerequisite courses.

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)
ENGL1020. English Composition (3)
NURS1000. Introduction to the Profession of Nursing (1)
PSYC1550. Introduction to Psychology (3)
SOGY1550. Introduction to Sociology (3)

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)
PSYC 2100. Lifespan Development (3)

Professional Nursing Courses:

Minimum grade of “C” (73%) required:

NURS2000. Health Assessment and the Promotion of Family Health (5)

NURS2030. Fundamentals of Family Health Nursing (5)

NURS2100. Medical Terminology (1)

NURS3000. The Childbearing and Childrearing Family (6)

NURS3020. Family Mental Health (3)

NURS3030. The Family with Acute and Chronic Health Needs (6)

NURS3040. Pharmacology (3)

NURS4000. The Family with Complex Health Needs (6)

NURS4010. The Family within the Community (4)

NURS4020. Leadership and Management in Professional Nursing (3)

NURS4030. Nursing Research (3)

NURS4040. Transition to Professional Nursing Practice (4)

Refer to this catalog for the Standard General Education requirements.

Department of Kinesiology

Faculty: Kimberly Forseth (Department Chair), Ben Gall, 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)
KINE1240. Life Guarding (1) (or current certification)
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)

*All Recreation Sport Management majors must present evidence of successful completion of a First Aid/CPR course (American Red Cross preferred) to the Kinesiology Chair prior to graduation. All Recreation Sport Management majors are required to pass fitness component tests as set forth by the Kinesiology Department.

Athletic Training Emphasis

*This area of emphasis is not an 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)
KINE3640. Physiology of Exercise and Biomechanics (3)
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)
KINE3640. Physiology of Exercise and Biomechanics (3)
KINE4560. Administration and Supervision of HPER (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)
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)
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)

School of Theology and Christian Ministries

Dean of the School of Theology and Christian Ministries: Mark Maddix

Mission:

As an expression of its commitment to historic Christianity from a Wesleyan perspective, the School of Theology and Christian Ministries equips women and men for lives of faith and service in the world and in the church. Christian praxis is developed through integrative reflection on the Bible, theology, history, philosophy, ethics, and contemporary society.

The two departments in this School are Philosophy and Religion. Majors available in the School, by department:

Department of Philosophy

Majors

Bachelor of Arts, Philosophy

Bachelor of Arts, Philosophy and Religion

Minors

Philosophy

Department of Religion

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

Descriptions of majors, areas of emphasis, minors, and other programs are found in this chapter, while course descriptions are found at the end of the catalog, arranged alphabetically by discipline.

Learning Objectives:

1. **Christlike Character:** Graduates of the School of Theology and Christian Ministries 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 of the School of Theology and Christian Ministries will develop a world view consonant with both reason and revelation that will continue to develop beyond the classroom.
3. **Creative Engagement:** Graduates of the School of Theology and Christian Ministries 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 of the School of Theology and Christian Ministries will engage in Christian praxis with an expansive spirit that acknowledges the worth and dignity of all.

Ministerial Preparation

The School of Theology and Christian Ministries 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 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 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.

Department of Philosophy

Faculty: Joseph Bankard (Department Chair), Thomas Oord, Kevin Timpe

Department Objectives: The Department of Philosophy serves general students, intraschool and interschool majors, and departmental majors. Successful students of departmental courses will achieve some or all of the following outcomes:

1. an ability to identify and apply principles of sound reasoning;
2. an ability to identify and apply moral principles, informed by Christian values, to contemporary socio-cultural problems;
3. an ability to identify and relate significant philosophical foundations of Western thought, culture, religion, and science; and
4. development of a world view consonant with both reason and revelation.

Majors

Bachelor of Arts, Philosophy

Bachelor of Arts, Philosophy and Religion

Minor

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: Joseph Bankard

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 level 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

Requirements: 53 credits

BIBL3110. Old Testament Interpretation (3)
BIBL3120. New Testament Interpretation (2)
CHIS3610. History of the Christian Tradition I (3)
CHIS3620. History of the Christian Tradition II (3)
PHIL2020. Ethics (3)
PHIL3010. History of Ancient and Medieval Philosophy (3)
PHIL3020. History of Modern Philosophy (3)
PHIL3080. Critical Reasoning (3)
PHIL4520. Philosophy of Religion (3)
PRTH3210. Spiritual Formation (2)
PRTH3750. Compassionate Ministries (2)
THEO4240. Theology of Holiness (2)
THEO4530. Christian Theology I (3)
THEO4540. Christian Theology II (3)
3 credits in a foreign language
12 Focus Credits in a particular content area (see below) to be determined in consultation with the designated advisor: George Lyons, Joseph Bankard, or Diane Leclerc.

Biblical Literature Focus (BL) (George Lyons, Advisor)

2-3 courses in biblical languages (6-7)
4 credits upper division Biblical Literature (BIBL)
REST4400. Ancient Near Eastern History and Culture (2), or
REST4600. Noncanonical Writings and New Testament Interpretation (2)

Philosophy Focus (PL) (Joseph Bankard, Advisor)

PHIL3410. Philosophy and Literature of Existentialism (3)
PHIL4210. Contemporary Philosophy (3)
PHIL4430. Metaphysics (3)
PHIL4980. Seminar in Philosophy (3)

Theology Focus (TH) (Diane Leclerc, Advisor)

THEO3410. Philosophy and Literature of Existentialism (3)
THEO3094. Topics in Theology (1-3)
REST3560. World Religions: Asian Traditions (2)
REST3570. World Religions: Western Traditions (2)
REST4600. Noncanonical Writings and New Testament Interpretation (2)

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.

(15 credits):

PHIL2010. Introduction to Philosophy (3); **or**
PHIL2020. Ethics (3)

PHIL3080. Critical Reasoning (3)

Electives in philosophy (excluding PHIL3060. Clinical Ethics) in consultation with and approved by the chair of the Department of Philosophy (9)

Department of Religion

Faculty: Richard Thompson (Department Chair), Jay Akkerman, Wendell Bowes, Randy Bynum, Rhonda Carrim, Joseph Gorman, Mike Kipp, Diane Leclerc, George Lyons, Mark Maddix, Thomas Oord, Brent Peterson, James Rotz.

The Department of Religion serves both general students and departmental majors.

Graduates of the Department and general education students will:

1. arrive at a knowledge of the Bible, the rich heritage of the Christian faith, and Christian values;
2. develop a world view consonant with both reason and revelation;
3. develop a sense of obligation to apply Christian principles to contemporary socio-cultural problems; and move toward spiritual and intellectual maturity.

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, Christian Ministry

Bachelor of Arts, Intercultural Ministry (Missions)

Bachelor of Arts, Philosophy and Religion (see Department of Philosophy)

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 nondepartmental majors.

In consultation with a Religion Department advisor, an individualized minor may be designed to prepare a student for a ministry area not addressed by the published minors.

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 a departmental minor and ministerial standing will demonstrate the following departmental core 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 (or other denominations, as appropriate).
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; and 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.

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)
ENGL1020. English Composition (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)
BIBL4250. Parables of Jesus (2); **or**
BIBL4310. Luke and Acts (2); **or**
BIBL4330. Pauline Epistles (2); **or**
4000-level course in Greek exegesis (2)
CHED1810. Introduction to Christian Discipleship (3)
GREK2110. Elementary New Testament Greek (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. 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)
 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 with a departmental minor and ministerial standing will demonstrate the following departmental core 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 (or other denomination, as appropriate).
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; and they will demonstrate personal growth in their own character and spirituality.
4. **Context:** Graduates will have specialized knowledge of the intercultural environment in which they minister and be able to relate the mission of the church to that context.

Requirements: 51 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)
ECON2420. Macro-Economics (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)

One of the following:

BIBL4250. Parables of Jesus (2); or
BIBL4310. Luke and Acts (2); or
BIBL4330. Pauline Epistles (2); or
BIBL4410. History of Ancient Israel (2); or
BIBL4420. Hebrew Prophets (2)
BSNS3640. Principles of Management (3)
CHED1810. Introduction to Christian Discipleship (3)
CHIS3620. History of Christian Tradition II (3)
PHIL3080. Critical Reasoning (3)
PRTH1710. Introduction to Christian Ministry (1)
PRTH2400. Introduction to 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. Compassion 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 I (2); or
SOGY2040. Cultural Anthropology II (2)
SOGY2250. Issues of Developing Nations (3)
THEO4240. Theology of Holiness (2)
THEO4540. Christian Theology II (3)

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, Christian Ministry (Online)

Objective: This online program is designed for students who are 23 years of age or older and involved in ministry. The program 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 this program will demonstrate the following departmental core 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 (or other denominations, as appropriate).
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; and 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.

Requirements: 52 credits

Foundational Courses: These courses from the general offerings are required as foundational to the major.

BIBL1120. Survey of the Bible (3)
BIBL3130. New Testament Studies (3)
COMM1210. Introduction to Public Speaking (2)
ENGL1020. English Composition (3)
HUMN1010. Cornerstone (3)
PHIL2025. Ethics (3)
PSYC1550. Introduction to Psychology (3)
THEO2120. Survey of Christian Theology (3)

Core Courses:

BIBL3155. Biblical Interpretation (3)
BIBL4445. Old Testament Studies (3)
CHED1815. Introduction to Christian Discipleship (3)
CHIS3415. History and Manual, Church of the Nazarene (3)
CHIS3615. History of the Christian Tradition I (3)
CHIS3625. History of the Christian Tradition II (3)
PRTH1105. Introduction to Online Theological Education (1)
PRTH2215. Spiritual Formation and Christian Discipleship (3)
PRTH2225. Worship Theory and Development (3)
PRTH2405. Introduction to Christian Missions (3)
PRTH3105. Pastoral Theology (3)
PRTH3715. Preaching (3)
PRTH4715. Missional Growth and Health (3)
PRTH4825. Pastoral Leadership (3)
PRTH4965. Internship in Christian Ministry (3)
THEO4245. Theology of Holiness (3)

THEO4535. Christian Theology I (3)

THEO4545. Christian Theology II (3)

Elective Courses (as needed):

CHED2225. Instructional Bible Study (3)

CHED3845. Family Ministries (3)

GREK2555. Basic New Testament Greek (3)

PHIL3085. Critical Reasoning (3)

PRTH4765. Communicating the Gospel (3)

THEO3595. Theology of the Church (3)

Minor, Bible

Administrator: Wendell Bowes

Requirements: 15 credits

13 upper-level 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.

Minor, Biblical Languages

Administrator: George Lyons

Requirements: 15 credits

GREK2110. Elementary New Testament Greek I (3)

GREK2120. Elementary New Testament Greek II (2)

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)

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: 15-18 credits

CHED2220. Instructional Bible Study (2)

CHED2094. Topics in Christian Ministries (1-3)

CHED3810. Children's Ministries (2)

CHED3840. Family Ministries (2)

PRTH3750. Compassionate Ministries (2)

PRTH3880. Camping and Recreation Ministry (2)

Foundations: (required of non-Christian Ministry majors)
CHED1810. Introduction to Christian Discipleship (3)
PRTH3210. Spiritual Formation (2)
Practicum: (required of Christian Ministry majors)
PRTH3960. Field Experience in Christian Ministry (1)
PRTH4960. Internship in Christian Ministry (3)
Recommended:
PRTH1710. Introduction to Christian Ministry (1)
PSYC2100. Lifespan Development (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: 15-19 credits
CHED2220. Instructional Bible Study (2)
CHED2094. Topics in Christian Ministries (1-3)
CHED3810. Children's Ministries (2); or,
CHED3820. Youth Ministries (2)
CHED3840. Family Ministries (2)
PRTH3750. Compassionate Ministries (2)
PRTH3880. Camping and Recreation Ministry (2)
PRTH3960. Field Experience in Christian Ministry (1)
Foundations: (required of non-Christian Ministry majors)
CHED1810. Introduction to Christian Discipleship (3)
PRTH3210. Spiritual Formation (2)
Practicum: (required of Christian Ministry majors)
PRTH4960. Internship in Christian Ministry (3)
Recommended:
PRTH1710. Introduction to Christian Ministry (1)
PRTH4820. Pastoral Leadership (3)
PSYC2100. Lifespan Development (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)

Intercultural Ministry (Missions) and Youth Ministry majors taking this minor are also required to take: One of the following (not the same course or testament as taken for the major):

- BIBL4250. Parables of Jesus (2); or
- BIBL4310. Luke and Acts (2); or
- BIBL4330. Pauline Epistles (2); or
- BIBL4410. History of Ancient Israel (2); or
- BIBL4420. Hebrew Prophets (2)
- GREK2110. Elementary New Testament Greek I (3); or
- HEBR2110. Biblical Hebrew I (3)

Minor, Evangelism

Administrator: Mark Maddix

Requirements: 16-17 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)
- PRTH4710. Missional Growth and Health (2)
- THEO3560. Theological Explorations of Evangelism (3)
- THEO3590. Theology of the Church (3); or
- CHED2220. Instructional Bible Study (2)

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: 16-19 credits

- COMM2030. Interpersonal Communication (3)
- SOGY2030. Cultural Anthropology I (2); or
- SOGY2040. Cultural Anthropology II (2)
- 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)

Foundations: (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 Communications (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: 15-18 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

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)

Foundations: (required for non-Christian Ministry majors)

BIBL3110. Old Testament Interpretation (3)
PRTH3210. Spiritual Formation (2)
PRTH3710. Preaching (3)

Practicum: (required of Christian Ministry majors)

GREK2120. Elementary New Testament Greek (2); or,
HEBR2120. Biblical Hebrew II (3)
PRTH3960. Field Experience in Christian Ministry (1)
PRTH4960. Internship in Christian Ministry (3)

Recommended:

PRTH1710. Introduction to Christian Ministry (1)
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: 16-21 credits

CHED2220. Instructional Bible Study (2)

COMM2260. Intermediate Video Production (3)

PRTH3240. Worship Leadership and Practice (2)

THEO3590. Theology of the Church (3)

One MUSC course in consultation with advisor (2 or 3)

Foundations: (required of non-Christian Ministry majors)

PRTH3210. Spiritual Formation (2)

PRTH3220. Worship Theory and Development (2)

PRTH3710. Preaching (3)

PRTH4710. Missional Growth and Health (2)

Practicum: (required of Christian Ministry majors)

PRTH3960. Field Experience in Christian Ministry (1)

PRTH4960. Internship in Christian Ministry (3)

Recommended:

PRTH1710. Introduction to Christian Ministry (1)

PSYC2100. Lifespan Development (3)

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: 16-17 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)

Foundations: (required of non-Christian Ministry majors)

CHED1810. Introduction to Christian Discipleship (3)

PRTH3210. Spiritual Formation (2)

Practicum: (required of Christian Ministry majors)

PRTH3960. Field Experience in Christian Ministry (1)

PRTH4960. Internship in Christian Ministry (3)

Recommended:

PRTH1710. Introduction to Christian Ministry (1)

PSYC2100. Lifespan Development (3)

Course Descriptions

ACCT- Accounting

ACCT2060. Financial Accounting (3)

An introduction to financial accounting in the business world. The emphasis is on the mechanics, basic terminology, and theoretical framework of double-entry bookkeeping, and how financial statements are prepared for external reporting. Included are topics related to the accounting model, special journals, general ledgers, and basic computer spreadsheet applications. **Prerequisites:** Admission to the STEP Program

ACCT2070. Managerial Accounting (3)

An introduction to managerial accounting in the business world. The emphasis is on 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, business contraction, and expansion of product lines. Considers the time value of money, with computer applications throughout. Covers financial statements for internal use, and the statement of cash flows. **Prerequisites:** ACCT2060 or instructor's permission; Admission to the STEP Program.

ACCT3010. Income Taxation (3)

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)

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

ACCT3510. Intermediate Accounting I (3)

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). 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. **Prerequisites:** ACCT3510 or instructor's permission.

ACCT3940. Special Topics (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.

ACCT3960. Internship in Accounting (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.

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); accounting for business combinations under the pooling or purchase method, whether a statutory merger, statutory consolidation, acquisition of assets, or 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

ABA/STEP PROGRAM**ACCT2060. Financial Accounting (3)**

The course studies financial accounting in the business world. Emphasis is placed on the mechanics, basic terminology and theoretical framework of double-entry bookkeeping. Included are topics relating to the preparation and updating of statements for external reporting. Accounting models are used as they relate to special journals, general ledgers, and basic computer spreadsheet applications. **Prerequisites:** Admission to the ABA/STEP Program.

ACCT2070. Managerial Accounting (3)

The course studies managerial accounting in the business world. Emphasis is placed on decision-making models in production and service organizations. Included are topics relating to revenue and expense centers, break-even analysis, business contraction, and product expansion. Time value of money is applied throughout the course with computer application. Preparation and updating of financial statements for internal use and statement of cash flows are covered. **Prerequisites:** Admission to the ABA/STEP Program.

ARDE-Art and Design

ARDE1010. A Survey of Art and Music (3)

This course is designed specifically for the non-art major. An introduction to the stylistic characteristics and cultural climate of the important artistic epochs in art history. (See MUSC1010). **Fees:** Materials fee required.

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 exploration of 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.

ARDE1190. Introduction to the Visual Arts (3)

This introductory course is designed specifically for the non-art major. Its purpose is to provide insight and understanding of art's unique technical and aesthetic contributions within the overall cultural framework. **Fees:** Materials fee required.

ARDE1760. Fundamentals of Photography (3)

This course provides non-art majors an introductory study into camera operation and how the camera and film render and manipulate light. Basic design structure and concepts will be incorporated as well as a study of historical photographers and their work. Students must have a 35mm camera (film or digital) with manual functions. No darkroom work will be required, however, there will be photographic and written assignments. **Fees:** Materials fee required.

ARDE2010. 3D Design (3)

An introductory studio experience, this course examines both technical and aesthetic relationships specific to three dimensional forms. This course also emphasizes tool usage and studio safety. This course emphasizes creative problem-solving through manipulation of various media/techniques as well as class critiques. **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

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, through 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, 1040, or instructor's permission. **Corequisites:** ARDE2430 **Fees:** Material fee required.

ARDE2360. Graphic Design 2: Typography (3)

An exploration of typography as a vehicle for expressive communication. Exploration of visual hierarchy, principles of contrast, verbal messages, and the consideration of communicative models will all be emphasized. **Prerequisites:** ARDE1020, 1040, 2350, 2430. **Fees:** Materials fee required.

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, 1040 or instructor's permission. **Fees:** Materials fee required.

ARDE 2420. Opera/Musical Theater Production (1)

Hands-on involvement in the performing of a Broadway musical, including 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. **Fees:** Materials fee required.

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, as well as a 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 2 (3)

Intermediate studio experience with emphasis upon development and refinement of practical and theoretical concerns related 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:** 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 as well as the use of other media along with clay are explored. **Prerequisites:** ARDE2050. **Fees:** Materials fee required.

ARDE3060. Printmaking (3)

An introduction to the processes and history of printmaking. Processes may include screenprinting, letterpress and bookbinding techniques. **Prerequisites:** ARDE1040. **Fees:** Materials fee required.

ARDE3070. Drawing 2 (3)

A continued exploration of drawing processes, materials and methods of representation. Building off of 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:** ARDE1020, 1040. **Fees:** Materials fee required. **Offered:** Alternate years

ARDE3250. Art History 1 (3)

Survey of visual art and architecture from its pre-historic origins through the Gothic period. **Fees:** Materials fee required. **Offered:** Alternate years

ARDE3280. Illustration 2: Visual Story Book (3)

A continuation of illustration 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, 2280; or instructor's permission.

ARDE3330. Teaching Art in the Elementary School (3)

This course introduces both art education and elementary education majors to theoretical and practical experiences necessary for incorporating a discipline-based art education program into the elementary school curriculum. This course may include actual practicum teaching experiences. (See EDUC3330). **Fees:** Materials fee required.

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:** ARDE1350, 2360, 2430. **Fees:** Materials fee required.

ARDE3410. Painting 2 (3)

A continuing exploration of painting including more contemporary materials and processes. Historical and contemporary approaches will be analyzed. Emphasis 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. This course will approach the arena of digital photography from a conventional photo experience. 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, 2760, 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. **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. **Fees:** Material fee required.

ARDE3530. Teaching Art in Secondary Schools (3)

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).

ARDE3750. Art History 2 (3)

Survey of visual art and architecture from the Renaissance through 20th century. **Fees:** Materials fee requested. **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 creative opportunities for self expression and contextual ideas. 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.

ARDE3770. Photojournalism (3)

In this course the student will gain an overview of current photojournalism trends, and a study of classical photojournalists. The student will learn the basics in still photography and the power they have as the conveyor of information in today's media world. Photography as a means of telling a story will be approached. Ethical and moral considerations in regards to methods of photographing, digital manipulation and printing will be discussed. **Prerequisites:** ARDE2760, 2430 or instructor's permission. **Fees:** Material fees required. **Offered:** Alternate years

ARDE4030. Sculptural Installation (3)

This course is designed for all junior and senior studio art majors. The purpose of this course is to explore both traditional and non-traditional art media in site-specific and/or installation formats.

Students will begin with group installations and the course will culminate in each student executing at least one major individual installation art work. **Prerequisites:** ARDE1020, 2010. **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.

ARDE4250. Contemporary Art History (3)

The history of visual art and architecture in the 21st century including a survey of Art Criticism and Theory. Focus on the development of contemporary art and its relationship to experience as a defining factor; exploration of the impact and implications for current art production and reception. Exposure to contemporary art through field trips to galleries and museums. **Fees:** Material fee required.

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, editorial design, logotypes, and corporate identity campaigns. **Prerequisites:** ARDE2350, 2360, 2430, 3360. **Fees:** Materials fee required.

ARDE4440. Advanced Web Design (3)

Advanced web design course with emphasis on the construction of dynamic commercial websites with additional consideration of theories of interactivity and usability on the web. Course will also focus on the development of technical skills using industry-standard applications including Adobe Flash. **Prerequisites:** ARDE2350, 2360, 2430. **Fees:** Materials fee required. **Offered:** Alternate years

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. **Fees:** Materials fee required.

ARDE4870. Senior Exhibition (1-3)

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 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. Design students must register for 1 credit. Requirements: Declared art majors with senior classification or with permission. **Prerequisites:** ARDE4360 or 4500, and instructor's signature. **Fees:** Additional fee required.

ARDE4960. Internship (3)

Course designed to give students hands-on working experience in the professional art and design world. Course is normally taken in the junior year. A minimum of 135 hours required. This is a Pass/Fail course. **Prerequisites:** Junior classification.

BIOL-Biology

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.

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 and those in pre-medicine and 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 and those in pre-medicine and 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

BIOL2420. Microbiology (3)

A survey of the biology of the various microorganisms, with special emphasis on the disease causing bacteria. **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

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. Recommended as background:

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

BIOL3300. Vertebrate Zoology: Ectotherms (3)

A survey of the structure, function, ecology and systematics of ectothermic vertebrates (traditionally ichthyology and herpetology). Representative taxa from the Pacific Northwest will provide context for these explorations. Course will include emphasis on 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 a laboratory setting, 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 (traditionally ornithology and mammalogy). Representative taxa from the Pacific Northwest will provide context for these explorations. Course will include emphasis on 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 a laboratory setting, which is intended to be taught in connection with BIOL3320. **Corequisites:** BIOL3320 **Fees:** Additional fee required **Offered:** Alternate years

BIOL3340. Birds of Prey (3)

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. This course can be used as general education laboratory credit.

BIOL3360. Vertebrate Comparative Anatomy (3)

A comparative study of all classes of vertebrates, including organ and organ systems levels of comparison. 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 biology of the various microorganisms, with special emphasis on the bacteria. **Prerequisites:** BIOL2220, 2230 **Corequisites:** BIOL3420L

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

BIOL3460. Cell Biology (3)

A study of the processes common to life at the cellular level. This course deals primarily with the structure and function of eukaryotic cells and their organelles. **Prerequisites:** BIOL2220, 2230 **Corequisites:** BIOL3460L

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

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 animal 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. Gametogenesis, fertilization, cleavage, gastrulation, organogenesis, and histological differentiation are discussed. **Prerequisites:** BIOL2220, 2230 **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 **Offered:** Alternate years

BIOL3540. Immunology (3)

This course introduces students 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

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 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. Recommended background: 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 and 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 focusing on integumentary, muscular, and nervous system anatomy. **Prerequisites:** Instructor's permission

BIOL3930. Cadaver Dissection II (1)

A directed dissection of human cadavers focusing on cardiovascular, respiratory, digestive, urinary, and reproductive system anatomy. **Prerequisites:** Instructor's permission

BIOL3970. Research (1-3)

Involves the participation of the students 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, cell metabolism, and molecular genetics. An in-depth survey of the major areas of biochemistry. **Prerequisites:** CHEM3220; **Corequisites:** BIOL4410L

BIOL4410L. Biochemistry I Laboratory (1)

A practical application of biochemistry techniques 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 biomolecular structure and behavior, proteins and enzymes, membranes, cell metabolism, and molecular genetics. An in-depth survey of the major areas of biochemistry. **Prerequisites:** BIOL4410. **Offered:** Alternate years

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 of Physical Therapy. May be repeated for credit. **Prerequisites:** Junior classification, Instructor's permission, a cumulative grade point average of 3.25. May be repeated for credit.

BIOL4980. Senior Seminar/Capstone (1)

This experience is required of seniors completing the B.S. in Biology degree and involves the written and oral presentation of work completed in BIOL3970. This course is optional for students completing biology degrees other than the B.S. in Biology.

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, ENGL1020.

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, 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, 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, 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, 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, THEO2100. **Offered:** Alternate years.

NON-TRADITIONAL PROGRAM**BIBL1120. Survey of the Bible (3)**

An introductory survey of the Old and New Testaments. This course will focus on the literature of the Bible and the history of the biblical period. **Prerequisites:** Admission to the Non-Traditional Program.

BIBL3130. New Testament Studies (3)

An in-depth study of selected books, genres or forms in the New Testament. The course will include a spiritual formation emphasis. The specific focus of the class will be determined by the instructor and announced as the course subtitle. **Prerequisites:** BIBL1120.

BIBL3155. Biblical Interpretation (3)

A study of the history, methods, and principles of biblical interpretation. Students will develop skills in interpreting different genre in both the Old and New Testament. Other topics include the authority of the Bible as the Church's Scriptures and the relationship between the Testaments. **Prerequisites:** BIBL1120.

BIBL4445. Old Testament Studies (3)

An exegetical study of a selected corpus of Old Testament literature. The course will include an overview of the historical period within which these materials arose and specific attention to interpretive issues with regard to these materials. **Prerequisites:** BIBL1120, BIBL3155, THEO2120.

BSNS-Business

BSNS1110. Introduction to Business (3)

Survey of the field of business including organizing and managing businesses; managing human resources; marketing, introducing financial issues including 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 including fundamental concepts of information technology and the use of business application software including 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 of basic business correspondence and e-systems.

BSNS2330. Math for Business and Finance (3)

An introductory course to statistical theory and applications for business decision-making purposes. 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/an SAT of 550, or passed MATH0950 Intermediate Algebra, or instructor's permission.

BSNS2960. 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. May be repeated for credit in a different setting. **Prerequisites:** Director/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 manager's viewpoint as well as that of the accountant and data processing professional. Topics include: introductory concepts, hardware and software resources, many 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 BSNS3170 or instructor's permission.

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)

The 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)

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)

Strategic issues in managing human resources, 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 Director/instructor's permission. **Offered:** Alternate years

BSNS3710. Financial Management (3)

Introduction to financial management, including 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:** ACCT2070, ECON2410/ECON3410 and BSNS2330/BSNS3330 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) **Offered:** Alternate years

BSNS3810. Business Ethics (3)

This course covers the ethical aspects from a Christian perspective of management decision making which pose fundamental questions about executive decisions and the human impact of corporate power.

BSNS3940. 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 and/or Dean.

BSNS3960. Internship in Business (3)

On-the-job experience involving 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. **Prerequisites:** Director/instructor's permission.

BSNS4560. Marketing Metrics (3)

Integrated course that examines Consumer Behavior theory and develops the marketing research skills needed to measure customers' 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, and techniques of licensing, joint ventures, and parent-subsidiaries. **Prerequisites:** BSNS3640 or Director/instructor's permission.

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.

BSNS4960. 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. May be repeated for credit in a different setting. **Prerequisites:** Instructor's permission.

BSNS4980. Senior Seminar in Business (3)

Applications seminar requiring students to utilize various business concepts. The main emphasis of the course will be on entrepreneurial research projects, but additional topics of current interest in business will be covered. **Prerequisites:** Accounting, Business, Economics, Global Business, Management and Marketing majors with senior classification or instructor's permission.

STEP PROGRAM**BSNS3170. Computer Applications in Business (3)**

Key computer applications used in the business environment today will be covered. Topics covered include word processing, spreadsheets, databases, graphics, electronic communications, and the World Wide Web. In addition to understanding the individual computer applications, students will observe how the applications fit within the organizational information system structure. **Prerequisites:** Admission to the STEP Program.

BSNS3220. Business Communication (3)

The course compares and contrasts business communications to other communication models. Both oral and written business communication topics will be covered. Attention will be given to communication through electronic business channels. **Prerequisites:** Admission to the STEP Program.

BSNS3330. Mathematics for Business and Finance (3)

An applied course that examines mathematical principles in the context of business decision making. Mathematical topics will be applied to several functional areas including operations management, business forecasting, and finance. Other topics include the role 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:** ACT Math score of 21 or higher/an SAT of 550, or passing grade in MATH0950 Intermediate Algebra, or instructor's/director's permission.

BSNS4600. Global Business Strategies (3)

The course will cover the structure of global operations, methods, and techniques of licensing, joint ventures, and parent-subsidiaries. **Prerequisites:** BSNS3640 or Director/instructor's permission.

CHED-Christian Education

CHED1810. Introduction to 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; an introduction to their spiritual needs and their development; the challenge of the church in meeting their total needs. **Offered:** Alternate years.

CHED3820. Youth Ministries (2)

A study of those activities related to the church, which involve youth. The course is particularly designed to aid those who are specializing in a 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.

NON-TRADITIONAL PROGRAM

CHED1815. Introduction to 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.

CHED2225. Instructional Bible Study (3)

A course that will examine and apply appropriate methods and strategies for teaching the Bible in various ministry contexts. Opportunity is given to develop personal skills in teaching and leading small group Bible studies.

CHED3845. Family Ministries (3)

An extended exploration of the principles and practices of education 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.

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.

NON-TRADITIONAL PROGRAM

CHIS3415. History and Manual, Church of the Nazarene (3)

An extended study of the historical backgrounds and development of the Church of the Nazarene. The course will also give attention to the content and spirit of the Manual of the Church of the Nazarene.

CHIS3615. 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:** THEO2120.

CHIS3625. 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:** THEO2120.

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:** NNU math proficiency **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

COMM-Communication Studies

COMM1010. Introduction to Communication (3)

An introduction to the foundations of the field of communication. The course will give an introduction to the communication process, communication theories, areas of communication, and how communication affects society and research in the field.

COMM1210. Introduction to Public Speaking (2)

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)

This course is designed as a basic approach to video production for Mass Communication majors as well as other students who would like to learn basic video production skills. Emphasis is placed on telling a story through the visual media, including introduction 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.

COMM1420. 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.

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.

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, including forensics, drama, and productions. Specific options include, but are not limited to, the Fall Play, the Spring Play, Reader's Theater, major television and film productions, and the forensics team. May be repeated for credit.

COMM2250. Introduction to Scriptwriting (3)

A survey of the process, forms, and techniques for writing scripts for non-fiction applications. This includes advertising, news and documentary, corporate training and promotion. Course includes lecture, scriptwriting exercises and 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. This 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.

COMM2600. Introduction to Performance (3)

Beginning level exploration and development of live performance. Includes history, theories and practice of acting, voice and other types of performance. Projects and exercises will be used to incorporate performance and drama in various settings including school, church, stage, and broadcasting.

COMM2950. Internship in Communication Studies (1-3)

Supervised internship or research in communication. A student may select: (1) a professional internship - 100 clock hours minimum; 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.

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. **Offered:** Alternate years.

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 (2)

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. **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 for Communication and Mass Communication majors as well as non-majors to prepare for and participate in a variety of communication activities, including forensics, drama, and productions. Specific options include, but are not limited to, the Fall Play, the Spring Play, Reader's

Theater, major television and film productions, and the forensics team. **Prerequisites:** COMM2120 or instructor's permission. 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. Media Law and Ethics (3)

Survey of media law and ethics and their relevance to the concerns of consumers and producers of mass media. Course includes the following topics: First Amendment, libel, censorship, privacy, copyright and regulation of broadcast, cable, the Internet, and ethical issues surrounding the mass media. **Prerequisites:** COMM2020 or instructor's permission. **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, 2600; or instructor's permission. **Offered:** Alternate years.

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.

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 -100 clock hours minimum; 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. **Prerequisites:** COMM4260 or instructor's permission.

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.

NON-TRADITIONAL PROGRAM**COMM1210. Introduction to Public Speaking (3)**

An introduction to verbal communication in groups, listening, and public speaking. Emphasis will be placed on speaking with delivery issues, speech construction, audience connection, and the communication process. **Prerequisites:** Admission to the non-traditional program.

COMP-Computer Science

COMP1220. Introduction to Computer Science (3)

Provides a broad coverage of topics in computer science and its applications. Investigates the capabilities of computer technology. Includes an introductory experience in programming. Also includes introductions to professional ethics and careers. Includes lab. **Prerequisites:** An ACT 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 in C++ (3)

Further study of the syntax and semantics of the C++ programming language using object-oriented design methodology. Problem-solving heuristic and algorithm development will be emphasized. **Prerequisites:** COMP1220 **Corequisites:** COMP2220L

COMP2220L. Computer Programming in C++ 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 with an emphasis on 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 basic artificial intelligence concepts that are widely used in modern computer systems using bioinformatics 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.

CLST-Cultural Studies

CLST2960. Cultural Studies Practicum (1)

This 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.

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.

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.

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 and instructor's permission.

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. It examines the philosophy, policy, structure, and methods of law enforcement at the local, state, and federal levels, and characteristics of effective police work, as well as contemporary issues facing law enforcement officers and agencies today.

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 as well as to 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, and to the theories that attempt to explain criminal behavior from social, economic, biological, and personality and individual perspectives. It includes study of the types of crime, and 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.

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 (3)

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.

CRIM4450. Culture and Criminal Justice (3)

This course explores various issues relating to the treatment of minorities and sub cultures in the justice system both as workers/employees and as clients/transgressors. Social theory will be applied to cross cultural communication and interactions between dominant and minority groups. The culture of specific minority groups will be explored as it relates both internally and externally to law enforcement, corrections, and the courts. This course meets the requirements for a Tier II Cross Cultural Experience.

CRIM4960. Internship in Criminal Justice (3-15)

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 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 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:** CRIM3970 and instructor's permission.

ECON-Economics

ECON1010. Personal Finance (3)

An introduction to personal economics decision making with emphasis 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. Microeconomic Analysis (3)

A study and application of microeconomic analysis; includes supply, demand, pricing, consumer choice, and international concerns.

ECON2420. Macroeconomic Analysis (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 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 BSNS3010)

ECON3150. Managerial Economics (3)

An application of tools of microeconomics to decision making by managers. 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: 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/ECON3420 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.

ECON3940. Topics in Economics (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.

ECON4050. Global Economics (3)

A survey of the theory and practice of international trade and finance around the world. Includes examination of problems of developed and less developed countries in the world economy, 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:** ECON2410/ECON2420 or Instructor's permission. **Offered:** Alternate years

ABA/STEP PROGRAM

ECON3410. Microeconomic Analysis (3)

A study of economics as it relates to the firm and other individual decision making units in the economy. Students will explore pricing policy, supply and demand issues, and economic drivers of consumer decision processes. Students will discuss the topics in the context of practical business settings. **Prerequisites:** Admission to the ABA/STEP Program.

ECON3420. Macroeconomic Analysis (3)

A study of economic issues as they relate to the economy as a whole. Topics include gross national product, national income, consumption, investment, inflation, and economic growth. Students will examine the issues in the context of current domestic and global economic policies. **Prerequisites:** Admission to the ABA/STEP Program.

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.

EDUC2094. Special Topics in Education (1-4)

An opportunity to study current issues in the field of education. Topics may vary. **Prerequisites:** Instructor approval; may be repeated for credit.

EDUC2110. 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. (See PSYC2110) **Prerequisites:** Sophomore classification.

EDUC2250. Cultural Diversity in Education (2)

A reflective exploration of race, privilege, 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. Fulfills a General Education Tier II cross-cultural experience.

EDUC2750. Technology in the Classroom (2)

An introductory course in educational and computer technology designed to help students gain practical skills using application software and learn how to integrate technology in educational settings.

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. **Prerequisites:** 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 elementary teacher. **Prerequisites:** MATH2010, MATH2020; may be taken same semester as MATH2010, MATH2020.

EDUC3010. Methods of 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 secondary student. Research based best practices of teaching grammar, writing, and literature will be emphasized. Students will write and present 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.

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 essential components necessary for developing literacy capabilities of elementary children. Focus includes research-based practices to develop word recognition, fluency, and comprehension. Course includes a 25-hour practicum in an elementary classroom during which the student observes the set up and administration of a reading program and participates in reading instruction. **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. **Prerequisites:** Admission to Teacher Education Program; junior classification.

EDUC3310. Teaching the Bilingual/Bicultural Child (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. Fulfills a General Education Tier II Cross-Cultural Experience.

Prerequisites: EDUC1100; Admission to Teacher Education Program or instructor approval.

EDUC3330. Teaching Art in the Elementary School (3)

Introduces elementary education majors to theoretical and practical experiences necessary for incorporating a discipline-based art education program into the elementary school curriculum. This

course may include actual practicum teaching experiences. (See ARDE3330) **Prerequisites:** 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 MUSC3310)

Prerequisites: Admission to Teacher Education Program; junior classification. **Corequisites:** EDUC3750.

EDUC3350. Teaching Health in the Secondary Schools (2)

Designed to provide knowledge and background in three divisions of health education: healthful living, school health services, and health education. Recognition of health problems of children and adolescents with opportunity to develop competencies in handling methods and teaching techniques. 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 KINE3350) **Prerequisites:** Admission to Teacher Education Program; junior classification. **Corequisites:** EDUC3510, EDUC3750.

EDUC3360. Teaching Physical Education in the Secondary Schools (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 KINE3360) **Prerequisites:** Admission to Teacher Education Program; junior classification. **Corequisites:** EDUC3510, EDUC3750.

EDUC3410. 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 reflecting diverse student needs. Fulfills a General Education Tier II Cross-Cultural Experience. **Prerequisites:** Admission to Teacher Education Program; junior classification.

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 observe and teach a minimum of 20 hours in a secondary classroom. (See ARDE3530) **Prerequisites:** Admission to Teacher Education Program; junior classification. **Corequisites:** EDUC3510, EDUC3750.

EDUC3540. Teaching Music in the Secondary School (3)

Strategies appropriate to this subject field, instrumental/choral materials and tools, curricular structure common to this subject in the secondary school. Activities and music of various cultural groups will be explored. Includes opportunities for students to observe and teach a minimum of 20 hours in a secondary classroom. (See MUSC3320) **Prerequisites:** Admission to Teacher Education Program; junior classification. **Corequisites:** EDUC3750.

EDUC3570. Teaching Mathematics 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 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 observe and teach a minimum of 20 hours in a secondary classroom. **Prerequisites:** Admission to Teacher Education Program; junior classification. **Corequisites:** EDUC3510, EDUC3750.

EDUC3590. Teaching Language Arts and Writing Process in the Secondary School (3)

A study of secondary English language arts teaching strategies, instructional materials and tools, and curricular structure. The course includes recent theory and practice in the teaching of writing with an emphasis on process. Includes opportunities for students to observe and teach a minimum of 20 hours in a secondary classroom. (See ENGL3790) **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 observe and teach a minimum of 20 hours in a secondary classroom. (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 observe and teach a minimum of 20 hours in a secondary classroom. **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 observe and teach a minimum of 20 hours in a secondary classroom. **Prerequisites:** 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. 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)

A 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, and Classroom Environmental Assessment.

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.

EDUC4420. Methods of Instruction for the Elementary Classroom (9)

A course of integrated study of teaching methodology spanning the elementary school curriculum, encompassing science, social studies, mathematics 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 planning, classroom environment, instruction, and professionalism equips students for internship experiences. **Prerequisites:** Approval for intern year; senior classification. **Corequisites:** EDUC4440, EDUC4460, 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:** EDUC4420, EDUC4460, EDUC4810

EDUC4450. Elementary Internship II (12)

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. **Prerequisites:** EDUC4420, EDUC4440, EDUC4460, EDUC4810. **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 practicum in which the intern diagnoses literacy needs of a struggling reader and designs and delivers interventions to support that elementary student's literacy development. **Prerequisites:** Approval for intern year; senior classification. **Corequisites:** EDUC4420, EDUC4440, EDUC4460.

EDUC4540. Methods of Teaching Social Studies and Language arts in the Elementary Classroom - ACE (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. **Corequisites:** EDUC4550, EDUC4560.

EDUC4550. Methods of Teaching Science and Mathematics in the Elementary Classroom - ACE (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:** EDUC4540, EDUC4560.

EDUC4560. Orientation to Student Teaching in the Elementary Classroom - ACE (1)

A follow-up to the elementary methods sequence geared toward orienting students to expectations of the student teaching experience. Students will review classroom management principles, develop a classroom management plan with input from the cooperating teacher, and become familiar with expectations and mentoring and evaluation procedures used during the student teaching experience. **Prerequisites:** Admission to Teacher Education Program; Department approval. **Corequisites:** EDUC4540, EDUC4550.

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 (12)

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. **Fees:** Additional fee required.

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:** EDUC4420, EDUC4440, EDUC4460.

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 (12)

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. **Fees:** Additional fee required.

EDUC4870. Student Teaching in the Senior High School (12)

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. **Fees:** Additional fee required.

EDUC4890. Student Teaching in Secondary Schools - ACE (10)

Directed observation, participation, and responsible teaching by ACE students, conducted under the supervision or mentoring of a secondary school teacher and NNU supervisors. Weekly seminars are a part of this experience. May be repeated for credit. **Prerequisites:** Admission to Teacher Education Program; approval for student teaching. **Fees:** Additional fee required.

EDUC4900. Student Teaching in Elementary Schools - ACE (10)

Directed observation, participation, and responsible teaching by ACE students, conducted under the supervision or mentoring of an elementary school teacher and NNU supervisors. Weekly seminars are a part of this experience. May be repeated for credit. **Prerequisites:** Admission to Teacher Education Program; approval for student teaching. **Fees:** Additional fee required.

ENGR-Engineering

ENGR1010. Introduction to Engineering (3)

An introduction to engineering disciplines and careers. Topics include techniques for analyzing and solving problems, software in engineering and science, professional ethics, history of science and engineering, and economics. Required of all freshman engineering and engineering physics majors.

ENGR1050. Engineering Graphics and Design (3)

An introductory course in engineering design and drawing using freehand and CAD techniques. Content includes pictorial and orthographic projection, auxiliary and section views, descriptive geometry, dimensioning, and measurements. **Prerequisites:** High school algebra and geometry.

ENGR2100. Engineering Statics (3)

Addition and resolution of forces, vector algebra, moments and couples, centroids and moments of inertia, free body diagrams, two- and three-dimensional equilibrium systems, trusses, frames, friction, virtual work and fluid statics. **Prerequisites:** PHYS2110; **Pre/Corequisites:** MATH2520

ENGR2310. Instrumentation and Measurements Laboratory 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 using instruments commonly used in the discipline will be performed. Experimental devices used to acquire data will be explored, such as oscilloscopes, digital multimeters, thermocouples, adc's and dac's, Geiger counters, SEM and vacuum systems.

Prerequisites: PHYS2110 and 2120. **Fees:** Additional fee required

ENGR2320. Instrumentation and Measurements Laboratory II (1)

A continuation of ENGR2310 in instrumentation in experiments. 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. **Prerequisites:** ENGR2310. **Fees:** Additional fee required

ENGR2400. Engineering Economics (3)

An application by engineers of economic and financial principles to capital investment. Topics covered will include analysis by present worth, annual cash flow, rate of return, benefit-cost, and replacement considerations. Also covered are depreciation, taxes, inflation, probability and risk, and evaluation of optimum use of resources.

ENGR3094. Engineering Topics (1-4)

A concentrated study in a field of engineering not covered in other courses. Topics may include, but are not limited to, mechanical engineering, chemical engineering, pharmaceutical/biomedical engineering, materials engineering, structural engineering, HVAC, fluid mechanics, finite element analysis, and engineering software. **Prerequisites:** Instructor's permission. May be repeated for credit.

ENGR3100. Mechanics of Materials (3)

Elasticity, strength and modes of failure of engineering materials; theory of stresses and strains of ties, shafts, beams, and columns. **Prerequisites:** ENGR2100.

ENGR3110. Engineering Thermodynamics (3)

An introduction to thermodynamics. The course covers classical thermodynamics through the second law, then includes system and control volume analysis of thermodynamic processes, irreversibility and availability, and relationships among thermodynamic properties. **Prerequisites:** PHYS2120, MATH3540, and CHEM2210.

ENGR3120. Dynamics (3)

Particle and rigid body kinematics and kinetics, work-energy, impulse-momentum concepts. Combined scalar-vector approach. **Prerequisites:** ENGR2100

ENGR3130. Vibrational Analysis (3)

Free and forced vibration of discrete and continuous systems. Lagrange's equation, Fourier series, Laplace transforms; matrix and computational methods. Vibration of single degree of freedom systems, natural and forced motions, and dynamic loading; multidegree of freedom systems and approximate methods; vibration of elastic bodies. **Prerequisites:** ENGR3120

ENGR3140. 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. **Prerequisites:** ENGR3120, MATH3530, MATH3540.

ENGR3200. Electrical Circuits (3)

A comprehensive analysis of both steady state and time dependent electrical circuits. Techniques for simplifying complicated circuits using the principle of superposition and the theorems of Thevenin and Norton are introduced and numerous problems are solved using these methods. Applications to circuits are made using Fourier series, Fourier transforms, and Laplace transforms. **Corequisites:** ENGR3200L

ENGR3200L. Electrical Circuits Laboratory (1)

Laboratory to accompany ENGR3200. Discrete component behavior in electrical circuits is studied in the laboratory. **Prerequisites:** PHYS2120 **Corequisites:** ENGR3200 **Fees:** Additional fee required

ENGR3210. Analog Electronics (3)

A study of solid-state diodes, transistors, silicon-controlled rectifiers, light emitting diodes, photo diodes and other pn-junction devices. Theory and applications of transistors to basic amplifier circuits, waveform generators and operational amplifiers are made. **Prerequisites:** ENGR3200 **Corequisites:** ENGR3210L

ENGR3210L. Analog Electronics Laboratory (1)

The laboratory allows the student to investigate the behavior of both two- and three-terminal devices in electronic circuits and study/build realanalog systems. **Corequisites:** ENGR3210 **Fees:** Additional fee required

ENGR3220. Digital Electronics (3)

Basic logic gates and digital logic circuits are analyzed using Boolean algebra and Karnaugh maps. Circuits studied include binary counters, adders, shift registers, multiplexers and data latches. Analog to digital and digital to analog conversion concepts are introduced and applied to microcomputer interfacing. **Prerequisites:** ENGR3200 **Corequisites:** ENGR3220L

ENGR3220L. Digital Electronics Laboratory (1)

In the laboratory the student is required to build digital combinatorial and sequential circuits and observe their behavior with an oscilloscope or other readout device. Designed to help understand the concepts introduced in ENGR3220. **Corequisites:** ENGR3220 **Fees:** Additional fee required

ENGR3230. Digital Signal Processing (3)

Principles of signal processing using sample data including z-transforms, FIR filters, IIR filters, FFT, and implementations. Design applications include processing of digital signals and bio-potentials.

Prerequisites: ENGR3220

ENGR3300. Introduction to Microprocessors and Microcomputers (3)

Application of digital and logic concepts to the study of 8- and 16-bit microcontroller and microprocessor function and use; assembly language programming and software design for typical applications. **Prerequisites:** ENGR3220

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. **Prerequisites:** ENGR3120

ENGR4110. Machine Design (3)

Application of the principles of statics and mechanics of materials to the design of machine elements. Topics include stress and deformation, finite element method, failure criteria in yielding, fatigue and buckling, statistical considerations, and selection of shafts, bearings, and gears. **Prerequisites:** ENGR3100

ENGR4120L. Advanced Mechanical Engineering Laboratory (1)

Selected experiments in heat transfer and fluid mechanics. **Pre/Corequisites:** ENGR3100, ENGR4100 **Fees:** Additional fee required

ENGR4200. Communication Systems (3)

Use Fourier Transforms, power spectrum, and correlation to analyze communications signals. Introduce the different forms of Amplitude Modulation (AM), Frequency Modulation (FM) and Phase Modulation (PM). Introduce digital signal transmission and switching technologies and the use of error-identification and error-correcting codes. Present and use probability distribution functions to evaluate a noise source and a communication designed system to remove that noise. **Prerequisites:** ENGR3230.

ENGR4250. Electromagnetic Theory (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. **Prerequisites:** PHYS2120, MATH3530 and MATH3540

ENGR4300. Microcomputer Design (3)

Students will be required to design, build, demonstrate, and report on a single-board computer system.

Prerequisites: ENGR4250

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 physics majors.

ENGR4971. Senior Design Project I (2)

Capstone project integrating previous coursework with a faculty member in an individual or group design project. Design proposal required, and initial prototype should be completed. **Prerequisites:** Instructor's permission. Required of all engineering majors.

ENGR4972. Senior Design Project II (2)

Capstone project integrating previous coursework with a faculty member in an individual or group design project. Continuation of ENGR4971, finishing design project and completing documentation of project. **Prerequisites:** ENGR4971 and Instructor's permission. May be repeated for credit. Required of all engineering majors.

ENGR4973. Engineering Missions Design Project I (2)

Capstone project integrating previous coursework with a faculty member in an individual or group design project. Research a need in the mission field that can be met through a design project. Design proposal required, and initial prototype should be completed. **Prerequisites:** Instructor's permission. Required of all engineering missions majors.

ENGR4974. Engineering Missions Design Project II (2)

Capstone project integrating previous coursework with a faculty member in an individual or group design project. Continuation of ENGR4973, finishing design project and completing documentation of project. Also includes traveling to the mission field to install project or teach how to use the project. **Prerequisites:** Instructor's permission. Required of all engineering mission majors.

Fees: Additional fee required to cover travel to mission field.

ENGR4980. Senior Seminar/Capstone (1)

Required of and limited to seniors. Involves a written and oral presentation of work completed in ENGR4971 and 4972 or ENGR4973 and 4974. **Prerequisites:** Instructor's permission.

ENGL-English

ENGL0750. ESL Listening (3)

This course provides academic listening and note-taking skills to help ESL students study relevant subjects in the traditional classroom. By studying relevant topics, students will learn the academic words, listen to authentic lectures, and participate in small group discussions. Participation in traditional classes with non-ESL students and note-taking required.

ENGL0760. ESL Speaking (3)

To help ESL students improve the skill of communication in English, this course provides students daily use of English grammar, vocabulary, and conversation.

ENGL0770. ESL Reading (3)

The focus of this course is to strengthen ESL students' reading and writing skills. Studying academic words, working on paragraphs, and building up critical thinking will be accompanied with reading academic texts in class.

ENGL0780. ESL Writing (3)

This course helps students clarify grammatical rules and sentence structure. Introducing the writing process in academic English and building up students' academic writing skills in this course will provide students the tools for successful learning.

ENGL0850. ESL Interactive Listening Skill (3)

For ESL students at an intermediate level of English proficiency, this course prepares ESL students' listening comprehension skills for an academic context. Students will be prepared for college challenges by practicing how to recognize a lecture's main idea, take notes, and summarize the information. Lectures will help to familiarize students with academic terms.

ENGL0860. ESL English Communication (3)

This course is designed for ESL students to develop their communication strategy and help them communicate effectively. Students will learn frequently-used sentence patterns, grammar, and vocabulary in daily conversation to build oral communication skills.

ENGL0870. ESL Reading and Vocabulary (3)

For ESL students, this course is designed to improve reading skills and build up vocabulary through reading texts and participating in classroom discussion. Students will generate written tasks and make oral presentations.

ENGL0880. ESL Intermediate Writing (3)

This course will focus on essay writing to strengthen composition skills. Students will learn grammatical structures and how to use them correctly through contextual reading, communication activity, and written assignments.

ENGL0890. ESL Cultural Awareness (3)

This is a course for international students to establish their understanding of American culture and promote cultural awareness. Reading strategies and sharing activities will be introduced in this class, and students will be encouraged to develop their critical thinking.

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.)

ENGL0950. ESL Advanced Listening Comprehension (3)

Through listening to a variety of lectures, students will learn how to recognize the main idea, take notes, and summarize the information. To equip students' academic-listening comprehension skills is the goal of this course. An academic vocabulary list and listening activities will be provided to help students learn frequently-used terms in an academic context. Participation in traditional classes with non-ESL students and note-taking will be required.

ENGL0960. ESL Advanced English Communication (3)

This is a course designed for ESL students to further improve written communication and oral presentation skills. Students will experience a large variety of daily conversations and texts to provide them with more robust communication strategies. Group discussion participation, oral presentation with visual aids, and small talk in class is required.

ENGL0970. ESL Advanced Reading (3)

This course provides ESL students a variety of tasks integrated with reading and writing skills. Students will learn to use dictionary definitions to understand the reading context, look for the main idea in a text, and think critically. Academic writing assignments will be required.

ENGL0980. ESL Advanced Writing (3)

This course introduces ESL students to academic writing. Students will learn the concept of summarizing, paraphrasing, quoting, citing, and avoiding plagiarism. Grammar presentations will be provided to develop students' grammatical structures. Students will complete several written assignments.

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.

ENGL1060. ESL Academic Skills - Listening and Discussion (3)

This course prepares ESL students' academic skills to deal with the requirement of course work. The reading skills, listening strategies, note-taking and academic discussion strategies are integrated in this course to prepare students for fully participating in university classroom.

ENGL1070. ESL Academic Writing (3)

This course gives ESL students step-by-step instruction on academic writing. Students will learn the procedure of prewriting, drafting, revising and editing. The skills of sentence structure and grammar are provided to help students for academic success.

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.

ENGL2980. Introduction to the Study of Literature (1)

An introduction to basic approaches to literature 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. Methods of Teaching English in Secondary Schools

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 present lesson plans. Students are required to complete a 20-hour field experience. (See EDUC3010)

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. **Prerequisites:** ENGL2020.

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.

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.

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.

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.

ENGL3320. Shakespeare (3)

A study of representative plays through reading, viewing, and discussing comedies, tragedies, and histories.

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.

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.

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.

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.

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.

ENGL4350. British Poetry before 1700 (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.

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.

ENGL4980A. Senior Seminar in English (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.

ENGL4980B. Senior Seminar in Journalism (1)

In this senior seminar, Journalism majors will prepare a portfolio of writing clips and/or video clips to help those who intend to pursue journalism-related jobs upon graduation. Students will also debate and prepare a paper on the role of Christian faith in the profession of journalism.

NON-TRADITIONAL PROGRAM**ENGL3240. Studies in American Literature (3)**

A study of selected works by American authors which may focus on an individual author, a topic, or a time period. **Prerequisites:** Admission to the Non-Traditional Program. This course is available only to students in the non-traditional program. May be repeated for credit.

ENGL3340. Studies in British Literature (3)

A study of selected works by British authors which may focus on an individual author, a topic, or a time period. **Prerequisites:** Admission to the Non-Traditional Program. This course is available only to students in the non-traditional program. May be repeated for credit.

ENGL3440. Studies in World Literature (3)

A study of selected works by non-American or non-British authors which may focus on an individual author, a topic, or a time period. **Prerequisites:** Admission to the Non-Traditional Program. This course is available only to students in the non-traditional program. May be repeated for credit.

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. Fulfills a General Education Tier III Cross-Cultural Experience. **Offered:** Alternate years.

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. Fulfills a General Education Tier II Cross-Cultural Experience. **Prerequisites:** FREN1010 or equivalent. **Offered:** Alternate years.

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. Fulfills a General Education Tier II Cross-Cultural Experience. **Prerequisites:** FREN1020 or equivalent. **Offered:** Alternate years.

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. Fulfills a General Education Tier II Cross-Cultural Experience. **Prerequisites:** FREN2010 or equivalent. **Offered:** Alternate years.

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 (2)

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 the Greek text of selected parables of Jesus. 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 the Greek text of portions of the Gospel of Luke and the Acts of the Apostles. 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 the Greek text of selected Pauline epistles. 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.

NON-TRADITIONAL PROGRAM**GREK2555. Basic New Testament Greek (3)**

A study of the basic elements of New Testament Greek with the help of computer software. Grammar, vocabulary, and syntax will be emphasized, along with basic exegetical considerations in working with the Greek text of the New Testament.

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 Bible Hebrew prose. **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 Bible Hebrew prose. 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

HIST3050. 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: ENGL2020 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:** ENGL2020 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

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 Research and Thesis (3)

An independent research paper based upon primary source materials. Written under the supervision of the history faculty. Required of all history majors. **Prerequisites:** Senior standing.

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.

HUMN2500. Western Intellectual Traditions (Freshman Honors) (2)

This course focuses on the following historical periods: Greek, Roman, and early Christian; Renaissance and Reformation; Enlightenment; and Modern. The structure and content of the course is designed to help students achieve the following goals: recognize the connectedness of ideas and the unity of knowledge; examine values and presuppositions and learn to think creatively and critically; understand

important themes and periods of Western thinking, and explore non-Western ideas, comparing them to Western thought; take an historical perspective when addressing current issues; improve written and oral communication; and acquire leadership skills in discussions with peers. (Admission by selection only)

HUMN2510. Western Intellectual Traditions (2)

This course focuses on the following historical periods: Greek, Roman, and early Christian; Renaissance and Reformation; Enlightenment; and Modern. The structure and content of the course is designed to help students achieve the following goals: recognize the connectedness of ideas and the unity of knowledge; examine values and presuppositions and learn to think creatively and critically; understand important themes and periods of Western thinking, and explore non-Western ideas, comparing them to Western thought; take an historical perspective when addressing current issues; improve written and oral communication; and acquire leadership skills in discussions with peers. (Admission by selection only)

HUMN2520. Western Intellectual Traditions (2)

This course focuses on the following historical periods: Greek, Roman, and early Christian; Renaissance and Reformation; Enlightenment; and Modern. The structure and content of the course is designed to help students achieve the following goals: recognize the connectedness of ideas and the unity of knowledge; examine values and presuppositions and learn to think creatively and critically; understand important themes and periods of Western thinking, and explore non-Western ideas, comparing them to Western thought; take an historical perspective when addressing current issues; improve written and oral communication; and acquire leadership skills in discussions with peers. (Admission by selection only)

HUMN2530. Western Intellectual Traditions (2)

This course focuses on the following historical periods: Greek, Roman, and early Christian; Renaissance and Reformation; Enlightenment; and Modern. The structure and content of the course is designed to help students achieve the following goals: recognize the connectedness of ideas and the unity of knowledge; examine values and presuppositions and learn to think creatively and critically; understand important themes and periods of Western thinking, and explore non-Western ideas, comparing them to Western thought; take an historical perspective when addressing current issues; improve written and oral communication; and acquire leadership skills in discussions with peers. (Admission by selection only)

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.

KINE-Kinesiology

KINE1000. Fundamentals of Wellness (1)

An approach to health and physical education relating 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. **Corequisites:** KINE1000L. **Fees:** Additional fee required.

KINE1000L. Fundamentals of Wellness Laboratory (0)

Course designed to allow students to assess personal health benchmarks as related to overall wellness including: body composition, cardiorespiratory fitness, muscular strength, endurance and flexibility, skill

related fitness, blood lipids analysis, etc. Students will develop a personal wellness program based on personal health assessments. **Corequisites:** 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 counts for general education KINE activity requirement. **Prerequisites:** Permission of the department chair.

KINE1020. Heart Healthy Activities (1)

Wellness activities of adult fitness, aerobic fitness, cycling, life guarding, physical fitness, yoga, pilates, Taekwondo, skiing and derivatives offered, swimming (intermediate), jogging/walking, and water fitness. Two activities per semester. This course counts for general education KINE activity requirement. May be repeated for elective credit but not for general education credit. **Fees:** Additional fee may be required.

KINE1030. Lifetime Sport Activities (1)

Introductory skill, rules and play: archery, backpacking, badminton, bowling, golf, racquetball, rock climbing, soccer, softball, swimming (beginning), tennis, weight training, and volleyball (beginning and intermediate). Two activities per semester. This course counts for general education KINE activity requirement. May be repeated for elective credit but not for general education credit. **Fees:** Additional fee may be required.

KINE1240. Life Guarding (1)

Qualifies students for a life guard certificate. This course counts for general education KINE activity requirement. **Prerequisites:** Instructor's permission.

KINE1310. Introduction to Recreation and Kinesiology (3)

An introductory course for majors in the field of health, kinesiology, recreation, and 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. **Prerequisites:** 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 and 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 of programs on basic anatomy and exposure to career opportunities. Laboratory will coincide with lecture about joint structure, evaluation, taping and support techniques. **Fees:** Additional fee required.

KINE2430. Health Issues in Today's Society (3)

Emphasis is on major health issues and problems of adolescence and college age students including the following topics: 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 counts for 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. Different activities covered: 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; counts for KINE majors general education requirement. **Prerequisites:** Must be a Kinesiology Major.

KINE2730. Nutrition across the Lifespan (2)

A basic course surveying the nutrients required by the human body including their assimilation, function, deficiency and food sources. Study of proper dietary intake throughout the life cycle, emphasizing importance of nutrition to good health. Course 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. **Fees:** 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 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 Health in the Secondary Schools (2)

Designed to provide knowledge and background in three divisions of health education: healthful living, school health services, and health education. Recognition of health problems of children and adolescents with opportunity to develop competencies in methods and teaching techniques. Strategies appropriate to this subject field, instructional materials and tools, curricular structures 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. **Prerequisites:** Junior classification. **Corequisites:** EDUC3510.

KINE3360. Teaching Physical Education in the Secondary Schools (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. **Prerequisites:** Junior classification.

Corequisites: 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 Elementary Schools (2)

This course introduces students to the basic principles of physical education for children in grades kindergarten through six. Emphasis will be on the development of systematic physical education programming. Students will participate in simulated teaching experiences and/or field observations.

KINE3440. Advanced Athletic Training (3)

A study of the advanced theory in the technique of athletic training necessary for the professional athletic trainer. Recognition and understanding of identification, care and rehabilitation of specific injuries. Particular emphasis is placed upon the proper use of various therapeutic modalities.

Prerequisites: KINE2410. **Offered:** Alternate years.

KINE3560. Psychology and Techniques of Coaching (3)

A study of psychological implications in dealing with the student athlete in areas of motivation and performance. Coaching techniques in various sports will be covered as well as mentor experiences.

KINE3600. Motor Development and Motor Learning (2)

Movement education in the areas of motor behavior, motor development and learning theories are emphasized. Movement patterns throughout the various life spans are studied. Psycho-motor and perceptual-motor development are covered in the course.

KINE3630. Corrective and Adaptive Physical Education (2)

A course designed to develop understanding of the special needs child. Opportunity for learning to recognize defects, limitations, capacities and problems is provided. Students are taught to develop individual educational programs. 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 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 and recreational settings.

KINE4094. Special Topics in Kinesiology (1-4)

Topics relating to Health, Physical Education, Athletic Training, or Recreation not ordinarily covered in other courses. **Fees:** Additional fee required. May be repeated for credit.

KINE4520. Tests and Measurements in Physical Education (3)

The use of tests, measurement and evaluation in physical education classes, teacher and program evaluations, selection, administration, construction and evaluation of skill and written examinations are emphasized. **Prerequisites:** ACT of 21 in math. Fulfills the general education math competency requirement. **Offered:** Alternate years.

KINE4560. Administration and Supervision of HPER (3)

The course is designed to serve as an introduction to the techniques of administration and supervision in kinesiology and athletics, as well as the capstone experience for majors. 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. The study of trends, problems and interrelationships of community agencies. **Offered:** Alternate years.

KINE4950. Internship in Athletic Training (1)

Practical application of training technique theory in a variety of settings. Training skills and principles may be applied to achieve the established goal of prevention and care of athletic injuries. **Prerequisites:** 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. **Prerequisites:** 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. **Prerequisites:** Permission of the Department Chair. May be repeated for up to 6 credits.

MATH-Mathematics

MATH0900. Essential Mathematics (3)

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)

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. It satisfies the GE quantitative skills 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:** NNU math proficiency, 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. It satisfies the GE quantitative skills 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. **Prerequisites:** 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. **Prerequisites:** MATH2510 (a grade of C or better). Students need to verify they have the prerequisites the first day of class.

MATH3010. Teaching Mathematics 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. **Prerequisites:** Junior classification.

Corequisites: EDUC3510, EDUC3750. See EDUC3570.

MATH3094. Topics in Mathematics (1-4)

Intensive study of one topic. **Prerequisites:** 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. **Prerequisites:** MATH2520 (a grade of C or better). Students need to verify they have the prerequisites the first day of class. **Offered:** Alternate years

MATH3250. Probability and Statistics II (3)

A continuation of MATH3240 Probability and Statistics I. **Prerequisites:** MATH3240 Students need to verify they have the prerequisites 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)

Logic, mathematical induction, sets, equivalence relations and equivalence classes, and order relations are studied. 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 other 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. Also the integral calculus involving line and surface integrals. Green's Theorem, Stokes Theorem, and Gauss' Theorem are further topics to be studied. **Prerequisites:** MATH2520 (a grade of C or better). Students need to verify they have the prerequisites 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. **Prerequisites:** MATH2520 (a grade of C or better). Students need to verify they have the prerequisites the first day of class.

MATH3560. Numerical Analysis (3)

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. **Prerequisites:** MATH2510. May be repeated for credit.

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). **Prerequisites:** 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. **Prerequisites:** MATH4510 **Offered:** Alternate years

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. Introduction to 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 which increases the students poise and confidence as 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. Military Science Practicum (6)

A field based course which provides students with the opportunity to apply the leadership and soldier skills they have learned on campus. The course is completed at the four week ROTC Leader Development and Assessment Course at Fort Lewis, 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.

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. **Prerequisites:** 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

MUSC0900. Fundamentals of Music (2)

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. **Fees:** Additional fee required.

MUSC1010. A Survey of Art and Music (3)

An introduction to the stylistic characteristics and cultural climate of the important artistic epochs in history, and includes both the western and the non-western traditions. (See ARDE1010). **Fees:** Additional fee required.

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. **Corequisites:** MUSC1210 **Fees:** Additional fee required.

MUSC1210. Beginning Music Theory Laboratory I (1)

An introduction to and application of aural skills, including sight-singing, rhythmic dictation, melodic and harmonic dictation. **Corequisites:** 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 **Corequisites:** MUSC1230 **Fees:** Additional fee required.

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 **Corequisites:** 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. **Fees:** Additional fee required.

MUSC2094. Special Topics (1-3)

A concentrated study of one topic in music. May be repeated for credit. **Prerequisites:** Instructor's permission.

MUSC2096. Field Experience in Church Music (1)

An overview of the ministry and work of a local 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 planned to give the student observation and hands-on experience in music ministry in the local church.

MUSC2110. Introduction to Music Ministry (1)

An introductory course dealing with the call to ministry through music, 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 number 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

Corequisites: MUSC2210 **Fees:** Additional fee required.

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 **Corequisites:** 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

Corequisites: MUSC2230 **Fees:** Additional fee required.

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 **Corequisites:** MUSC2220

MUSC2240. Improvisation (3)

Group study and exercise of improvisation, exploring jazz, blues, classical, and popular styles. May be repeated for credit. **Prerequisites:** Instructor's permission. **Offered:** Alternate years, normally offered fall even number 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. **Prerequisites:** Instructor's permission. **Fees:** 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. **Prerequisites:** Instructor's permission. **Fees:** 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. **Fees:** Additional fee required. **Offered:** Alternate years, normally offered fall odd number years.

MUSC2370. Bella Voce (1)

Women's choir whose membership is open to non-majors as well as majors. Personnel chosen by audition. May be repeated for credit. **Prerequisites:** Instructor's permission.

MUSC2371. University Men's Choir (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.

MUSC2420. Musical Theatre Production/Opera Workshop (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 (1)

A jazz ensemble with vocalists and instrumentalists chosen by audition, with a broad repertoire of jazz and popular music. **Prerequisites:** Instructor's permission. **Fees:** Additional fee required

MUSC2440. Orchestra (1)

Membership open to non-majors as well as majors. May be repeated for credit. **Prerequisites:** Audition or instructor's permission.

MUSC2450. Special Ensemble (1-2)

A course designed for students ready to participate in small chamber group or jazz ensemble settings. Membership open to non-majors as well as majors. May be repeated for credit. **Prerequisites:** Audition or instructor's permission.

MUSC2460. Concert Band (1)

Membership open to non-majors as well as majors. May be repeated for credit.

Prerequisites: Instructor's permission. **Fees:** Additional fee required.

MUSC2490. Crusader Choir (1)

A choir of select personnel chosen by audition. Membership open to non-majors as well as majors. May be repeated for credit. **Fees:** Additional fee required.

MUSC3200. Practicum in Worship Planning and Leadership (2)

A practical approach to preparing for and leading music of worship in varied settings, including 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. **Fees:** Additional fee required. **Offered:** Alternate years, normally offered fall even number 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. **Fees:** Additional fee required. **Offered:** Alternate years, normally offered spring odd number 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. **Fees:** Additional fee required. **Offered:** Alternate years, normally offered spring even number 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 number 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. **Corequisite:** MUSC3460

Offered: Alternate years, normally offered fall odd number years.

MUSC3460. Teaching Music in the Elementary School II (2)

This class focuses on the application of the learning theories presented in MUSC 3450, procedures, and objectives in school music in the primary and intermediate grades including a classroom field experience and technology intensive lesson component. **Coerequisites:** MUSC3450 **Offered:** Alternate years, normally offered fall odd number 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. See EDUC3540.

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. **Prerequisites:** MUSC3320

MUSC3500. Northwesterners (1)

A small vocal ensemble of select personnel chosen by audition. Membership open to non-majors as well as majors. May be repeated for credit. **Fees:** Additional fee required.

MUSC3530. Church Music Resources and Materials (3)

Techniques and resources for all aspects of music and worship in the church, including online and publisher resources, professional journals and organizations, equipment, working with volunteers, development of age-group choirs and ensembles, development of instrumental and hand bell ensembles, and musical production techniques. **Offered:** Alternate years, normally offered spring even number years.

MUSC3600. Choral Conducting (2)

Introduction to the fundamentals of conducting techniques, rehearsal methods, and choral music scores. **Prerequisites:** Instructor's permission. **Offered:** Alternate years, normally offered fall even number years.

MUSC3610. Instrumental, Conducting (2)

Introduction to instrumental conducting including rehearsal techniques and band and orchestral score-reading. **Prerequisites:** MUSC3600 or, instructor's permission. **Offered:** Alternate years, normally offered spring odd number years.

MUSC3620. Choral Conducting, Methods, and Materials (3)

Introduction to the fundamentals of conducting, rehearsal methods, and choral scores. Topics include development of a school choral music program, finding choral music of various styles, genres, and diverse cultures, and classroom management suitable for school choirs. **Prerequisites:** Instructor's permission. **Offered:** Alternate years, normally offered fall even number years.

MUSC3630. Instrumental Conducting, Methods, and Materials (3)

Introduction to instrumental conducting, including rehearsal techniques, as well as band and orchestral score-reading. Topics include development of a school instrumental program, finding instrumental music of various styles, genres, diverse cultures, and classroom management suitable for school bands. **Prerequisites:** Instructor's permission. **Offered:** Alternate years, normally offered spring odd number years.

MUSC3750. Symphonic Literature (1)

A study of representative symphonic literature from the baroque, classic, romantic, and modern periods (18th, 19th, and 20th centuries). **Prerequisites:** Instructor's permission. May be repeated for credit.

MUSC3950. Field Experience in Music Management (1)

Hands-on experience managing a large ensemble through a tour; or managing several small ensembles in small venue performances. Management considerations include logistics, budgets, travel, housing and equipment needs for a variety of music groups.

MUSC4094. Special Topics (1-3)

A concentrated study of one topic in music. May be repeated for credit. **Prerequisites:** 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. **Fees:** Additional fee required. **Offered:** Alternate years, normally offered fall odd number 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. **Prerequisites:** Instructor's permission **Fees:** 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. Available to junior and senior music majors who have reached an appropriate level of proficiency. Weekly 30 or 60 minute lesson, weekly Master Class, and jury examination required. May be repeated for credit. **Prerequisites:** Instructor's permission. **Fees:** Additional fee required.

MUSC4390. Piano Methods (3)

A study of 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 number years

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 number 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.

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 number years.

NSCI-Natural Science

NSCI2094. Topics in Natural Science (1-3)

A study of a current topic in science of an interdisciplinary nature. Topics may include, but are not limited to, natural resources practicum, field geology of the Pacific Northwest, and field geology. **Prerequisites:** Instructor's permission.

NSCI3094. Topics in Natural Science (1-3)

A study of a current topic in science of an interdisciplinary nature. Topics may include, but are not limited to, natural resources practicum, field geology of the Pacific Northwest, and field geology. **Prerequisites:** Instructor's permission.

NSCI4094. Topics in Natural Science (1-3)

A study of a current topic in science of an interdisciplinary nature. Topics may include, but are not limited to, natural resources practicum, field geology of the Pacific Northwest, and field geology. **Prerequisites:** Instructor's permission.

NURS-Nursing

NURS1000. Introduction to the Profession of Nursing (1)

A survey course which introduces the student to NNU's nursing curriculum, and the concepts of God, family, person, health, environment and nursing; explores the profession of nursing and the role of the nurse within the healthcare system. **Fees:** Additional fee required.

NURS2000. Health Assessment and the Promotion of Family Health (5)

The foundations of family nursing theory and health assessment skills will be taught concurrently. Health promotion throughout the lifespan will be discussed with an introduction to the therapeutic use of self, caring and communication skills. Evidence - based practice as the foundation for clinical nursing will be incorporated. An introduction to the nursing process and nursing theory will be presented. Clinical/Nursing Learning Center component. Fulfills a General Education Tier II Cross-Cultural Experience. **Prerequisites:** NURS1000, PSYC1550, BIOL2010, BIOL2010L, ENGL1020, SOGY1550, CHEM1210, CHEM1210L, BIOL2030, BIOL2030L; admission to the nursing program. **Fees:** Additional fee required.

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 pharmacological principles and beginning skills essential in providing pharmacological nursing intervention. Clinical/Nursing Learning Center component. **Prerequisites:** NURS2000, NURS2100, BIOL3820, KINE2730, PSYC2100. **Fees:** Additional fee required.

NURS2100. Medical Terminology (1)

An online course designed to prepare students for comprehension and utilization of medical terminology in health professions.

NURS3000. The Childbearing and Childrearing Family (6)

Emphasis will be on the family, health promotion, and preventive care during the reproductive years. Application of pharmacology pertaining to children and childrearing families will be incorporated. Genetics related to childhood conditions will be presented. HIV/AIDS and its impact on the family will be included. Clinical/Nursing Learning Center component. **Prerequisites:** NURS3020, NURS3030.

Fees: Additional fee required.

NURS3020. Family Mental Health (3)

A study of nursing practice with the goals of promoting, maintaining, and restoring mental health of individuals and families. Application of pharmacology pertaining to mental disorders will be incorporated. Clinical component. **Prerequisites:** NURS2030, BIOL2420, BIOL2420L. **Fees:** Additional fee required.

NURS3030. The Family with Acute and Chronic Health Needs (6)

The impact of illness or injury affecting the individual and the family within acute care settings will be emphasized. Critical thinking, evidence-based practice, nursing management of clients and application of pharmacology pertaining to acute/chronic health care needs will be incorporated. Clinical/Nursing Learning Center component. **Prerequisites:** NURS2030, BIOL2420, BIOL2420L. **Fees:** Additional fee required.

NURS3040. Pharmacology (3)

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: NURS2030

NURS4000. The Family With Complex Health Needs (6)

The impact of multifactorial complex health needs on the family will be explored. Critical thinking, evidence-based practice, nursing management of clients and the application of pharmacology pertaining to complex health needs will be practiced within high acuity settings for children and adults. Family presence in such settings and end of life issues will be incorporated. Clinical/Nursing Learning Center component. **Prerequisites:** NURS3000, NURS4030. **Fees:** Additional fee required.

NURS4010. The Family within the Community (4)

An experience-based study of nursing in health promotion, health protection, and health maintenance for communities. A major emphasis will be the collaborative role of nursing in management of community health care needs. Environmental influences upon the health of groups will be a focus. Clinical component. Fulfills a General Education Tier II Cross-Cultural Experience. **Prerequisites:** NURS3000, NURS4030. **Fees:** Additional fee required.

NURS4020. Leadership and Management in Professional Nursing (3)

An investigation of theories and principles of leadership and management applied within professional nursing practice. Nursing and health care trends within the context of regional, national and international arenas will be explored. **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, ENGL2020, MATH2240 or comparable statistics course.

NURS4040. Transition to Professional Nursing Practice (4)

A capstone course in which students demonstrate competency in holistic care for the individual and family. Students practice professional nursing in a variety of health care settings under the mentorship of a preceptor. Practical application of leadership and management theories in professional nursing practice and delivery of health care are experienced. Clinical component. **Prerequisites:** NURS4000, NURS4010. **Fees:** Additional fee required.

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.

PHYS-Physics

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. **Corequisites:** PHYS1060 **Fees:** 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. **Corequisites:** 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. **Corequisites:** PHYS1110 **Fees:** 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. **Corequisites:** PHYS1120L

PHYS1120L. College Physics II Laboratory (1)

The laboratory uses the discovery approach to physical principles. The laboratory will cover basic labs in electricity and magnetism, light and optics. **Corequisites:** PHYS1120 **Fees:** 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. Prerequisites: 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. **Prerequisites:** MATH2510 **Corequisites:** 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. **Corequisites:** 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. **Prerequisites:** MATH2520

Corequisites: 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. **Corequisites:** PHYS2120

Fees: 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 will be explored, such as oscilloscopes, digital multimeters, thermocouples, adc's and dac's, Geiger counters, SEM, and vacuum systems.

Prerequisites: PHYS2110, 2120 **Fees:** Additional fee required

PHYS2320. Instrumentation in Experimental Physics II (1)

A continuation of PHYS2310 in instrumentation in experiments. 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. **Prerequisites:** PHYS2310 **Fees:** 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)

Basic ideas of quantum theory which led to the Rutherford-Bohr model of the atom; elementary quantum mechanics using Schroedinger'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.

Prerequisites: PHYS2120 **Corequisites:** PHYS3130L

PHYS3130L. Modern Physics Laboratory (1)

This course is designed to provide students with experience in 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. **Corequisites:** PHYS3130 **Fees:** Additional fee required

PHYS3410. Analytic Mechanics (3)

Applications 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. **Prerequisites:** PHYS2110; MATH3530 and 3540 **Offered:** Alternate years

PHYS3420. Vibrations and Waves (3)

An introduction to oscillatory phenomena and wave motion. The concepts and phenomena taught in this course occur throughout nature from biology to quantum mechanics. Topics include: free, damped and forced vibrations, resonance, coupled oscillators; the nature of traveling waves and transport of energy; types of waves including sound, water waves and light; interference, beats and standing waves; dispersion; simple diffraction phenomena. **Prerequisites:** PHYS2110; 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 MATH3520. **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. **Prerequisites:** PHYS2120; MATH3530, 3540

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 (PHYS3130) or Fund. of Quantum Mechanics (PHYS4810) be taken before this course, or some general knowledge of solutions to Schrodinger's Equation. **Prerequisites:** 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 eigenfunctions 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. **Prerequisites:** Instructor's permission

PHYS4980. Senior Seminar/Capstone (1)

Required of and limited to seniors. Involves a written and oral presentation of work completed in PHYS4970 or ENGR4970. **Prerequisites:** Instructor's permission

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.

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.

NON-TRADITIONAL PROGRAM**PHIL2025. 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.

PHIL3085. 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.

PHIL3120. Philosophical Concepts (3)

An introduction to basic philosophical concepts. Special attention will be given to understanding and critical response. **Prerequisites:** Admission to the Non-Traditional Program.

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 (3)

A capstone experience involving the writing of a major research paper under the close supervision of a political science faculty member. The paper is subject to multiple stages of criticism and rewriting. Required of all political science and international studies majors.

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. Introduction to 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.

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:** PRT1710. **Fees:** Additional fee required.

PRT3220. 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.

PRT3240. Worship Leadership and Practice (2)

A study relating to the development of the worship leader and the task of creating meaningful worship experiences in one's ministry context. **Prerequisites:** PRT3220. **Offered:** Alternate years. **Fees:** Additional fee required.

PRT3400. 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, PRT2400. **Fees:** Additional fee required.

PRT3440. 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.

PRT3710. Preaching (3)

A study of the preparation and delivery of sermons within the context of worship, including practice preaching. **Prerequisites:** BIBL3110 or BIBL3120; COMM1210.

PRT3750. 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. Fulfills a General Education Tier II Cross-Cultural Experience. **Fees:** Additional fee required.

PRT3880. 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.

PRT3960. 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:** PRT2960. **Fees:** Additional fee required.

PRT4440. 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.

PRT4710. 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.

NON-TRADITIONAL PROGRAM**PRTH1105. Introduction to Online Theological Studies (1)**

A basic study of the nature and dynamics of online theological studies. The course will include an introduction to the online research process and the learning environment of the University's course management system.

PRTH2215. Spiritual Formation and Christian Discipleship (3)

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 the task of discipling others through mentoring and in small groups.

PRTH2225. Worship Theory and Development (3)

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.

PRTH2405. Introduction to 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.

PRTH3105. Pastoral Theology (3)

A survey of pastoral care, ministerial leadership and theology in the context of parish ministry. This course explores the pastoral office by focusing on who ministers are and what they do.

PRTH3715. Preaching (3)

A study of the preparation and delivery of sermons within the context of worship, including practice preaching. **Prerequisites:** BIBL3155; COMM1210 or equivalent.

PRTH4715. Missional Growth and Health (3)

An extended 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.

PRTH4765. Communicating the Gospel (3)

An advanced study utilizing visual elements in teaching and preaching. Attention is given to the use of visual metaphors in biblical communication.

PRTH4825. 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.

PRTH4965. Internship in Christian Ministry (3)

A practical course, open only to persons with senior status in the Christian Ministry major, 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.

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. **Prerequisites:** sophomore classification. (See EDUC2110).

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. **Prerequisites:** Instructor's permission.

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.

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.

PSYC3360. Child Psychology (2)

An overview of the emotional and cognitive development of the child. Attention is given to interruptions in the normal developmental pathways. **Prerequisites:** PSYC1550; PSYC2100 or SOWK2850.

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 functioning. 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.

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:** PSYC 3650

PSYC3660. Adolescent Psychology (2)

A study of the psychological dynamics of the adolescent period. An analysis is made of those factors which create problems and shape the behavior of adolescents. **Prerequisites:** PSYC1550, PSYC2100.

Offered: Alternate years

PSYC3750. Counseling Theory (2)

A study of the fundamental theories of counseling and psychotherapy, with emphasis on the psychological processes involved in counseling. **Prerequisites:** 3 credits in psychology. **Offered:** Alternate years

PSYC3760. Adult Psychology (2)

A course which examines theories that deal with physical, intellectual, social and emotional development in the post-adolescent years, including issues related to the elderly. **Prerequisites:** PSYC1550; PSYC2100 or SOWK2850. **Offered:** Alternate years

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 **Fees:** Additional fee required. **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

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.

Prerequisites: PSYC2970 and instructor's permission.

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. **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. **Offered:** Alternate years

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.

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, and the Stanford Binet Intelligence Scale. Administration, scoring, interpretation, and report writing are emphasized.

Prerequisites: PSYC4610 or instructor's permission. **Fees:** Additional fee required. **Offered:** Alternate years

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, PSYC3970 and 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. Fulfills a General Education Tier III Cross-Cultural Experience. **Prerequisites:** BIBL1100, THEO2100.

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. Fulfills a General Education Tier III Cross-Cultural Experience. **Prerequisites:** BIBL1100, THEO2100.

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

SOGY1010. Exploring Cultural Anthropology (3)

This course is designed to provide both a conceptual framework for and personal experience in identifying cultural differences and valuing/validating those differences in everyday life of adult students. Fulfills a General Education Tier 3 Cross-Cultural Experience. **Prerequisite:** Admission in an adult accelerated degree completion program.

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 I (2)

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. Fulfills a General Education Tier III Cross-Cultural Experience. **Offered:** Alternate years.

SOGY2040. Cultural Anthropology II (2)

A course focusing on the function and interpretation of cultural arrangements and practices and their implications for working in a cross-cultural context. Fulfills a General Education Tier III Cross-Cultural Experience. **Offered:** Alternate years.

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. **Prerequisites:** Instructor's permission.

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. Fulfills a General Education Tier II Cross-Cultural Experience.

Offered: Alternate years.

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, SOGY2040, 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.

Prerequisites: SOGY2970 and instructor's permission.

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). **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:** SOGY3970 and 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.

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. Fulfills a General Education Tier II Cross-Cultural Experience.

Prerequisites: SPAN1010 or equivalent.

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. Fulfills a General Education Tier II Cross-Cultural Experience.

Prerequisites: SPAN1020 or equivalent.

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. Fulfills a General Education Tier II Cross-Cultural Experience. **Prerequisites:** SPAN2010 or equivalent.

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.

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.

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.

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)

A study of teaching 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 EDUC3630. **Prerequisites:** Junior classification. **Corequisites:** EDUC3510.

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.

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.

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. Writing 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. Students are encouraged to make this experience not only academic, but to assimilate the materials and experiences into meaningful life application tools.

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 such as resumes, cover letters and references, developing and utilizing your network of contacts, interviewing, and other job search and transition skills.

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.

SOWK-Social Work

SOWK1720. Social Welfare in Contemporary Society (3)

This course is an introduction to the recurrent needs of citizens and how society is organized to respond to these needs with an emphasis on small towns and rural communities. The course is organized around the major themes of poverty, socioeconomic class differences, and other major differences among people that interact with poverty and classism. The course includes a review of the history and current nature of social welfare services.

SOWK2110. Introduction to Social Work (3)

This course is an introduction to the profession of social work. 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. Several social workers from varied practice specialties will be guests to describe their careers. Each student will be required to log some volunteer hours in a social service setting.

SOWK2850. Human Behavior and the Social Environment I (2)

This HBSE course offers an assessment of the dynamic interactions of the social contexts in which human development occurs with an emphasis on 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, BIOL1060L, PSYC1550, SOGY1550 or SOGY2030, and POLS1030 or ECON1050.

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

An assessment of the dynamic interactions of the social contexts in which human development occurs. 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. Fulfills a General Education Tier III Cross-Cultural Experience.

SOWK2960. Field Experience in Social Work (1-4)

An in-agency experience involving observation and participation in the delivery of social services. Agency assignments will be made by the instructor. **Prerequisites:** SOWK1720 or SOWK2110; or, the instructor's permission. May be repeated for a maximum of four credits.

SOWK2970. Urban Field Experience (1)

This course is a several-day urban immersion experience and 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.

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 for professional social workers and allied treatment professionals 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. **Offered:** Alternate years

SOWK3450. Gerontology and Geriatric Social Work (3)

An overview of the need for and the nature of social work practice with 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. **Corequisites:** SOWK3590

SOWK3551. Social Work Methods II (2)

This course continues with the introduction of the basic skills, values, and knowledge bases for generalist social work practice. 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, 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.

Corequisites: SOWK3590/3591

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. **Corequisites:** SOWK3590/3591

SOWK3590. Skills Practicum (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 60 hours for each semester enrolled. 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 problem-solving process (including assessment, goal setting, development of strategies, action plans, termination, and evaluation).

Corequisites: SOWK3550/3551 or 3560/3561

SOWK3591. Skills Practicum (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 60 hours for each semester enrolled. 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 problem-solving process (including assessment, goal setting, development of strategies, action plans, termination, and evaluation).

Corequisites: SOWK3550/3551 or 3560/3561

SOWK3592. Skills Practicum (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 60 hours for each semester enrolled. 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 problem-solving process (including assessment, goal setting, development of strategies, action plans, termination, and evaluation).

Corequisites: SOWK3550/3551 or 3560/3561

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.

SOWK3970. Social Work Research and Statistics I (2)

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 employing

descriptive, exploratory, explanatory, and evaluative research (and supportive statistical tools) to assess one's professional practice and agency programs, specifically in rural and small town communities.

Prerequisites: SOWK2110, 2850/2851.

SOWK3971. Social Work Research and Statistics II (2)

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 employing descriptive, exploratory, explanatory, and evaluative research (and supportive statistical tools) to assess one's professional practice and agency programs, specifically in rural and small town communities.

Prerequisite: SOWK3970

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. Advanced Practicum in Social Work (4)

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, involving 200 hours of on-location time for each semester.

Corequisites: SOWK4980/4981/4982

SOWK4961. Advanced Practicum in Social Work (4)

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, involving 200 hours of on-location time for each semester. **Corequisites:** SOWK 4980/4981/4982

SOWK 4962. Advanced Practicum in Social Work (4)

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, involving 200 hours of on-location time for each semester. **Corequisites:** SOWK4980/4981/4982

SOWK4980. Senior Field Seminar (1)

This course is a senior-level seminar that runs concurrently with Advanced Practicum in Social Work. 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 the other students. The focus is for each student to be prepared for entry into generalist social work practice upon graduation.

Corequisites: SOWK4960/4961/4962

SOWK4981. Senior Field Seminar (1)

This course is a senior-level seminar that runs concurrently with Advanced Practicum in Social Work. 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 the other students. The focus is for each student to be prepared for entry into generalist social work practice upon graduation.

Corequisites: SOWK4960/4961/4962

SOWK4982. Senior Field Seminar (1)

This course is a senior-level seminar that runs concurrently with Advanced Practicum in Social Work. 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 the other students. The focus is for each student to be prepared for entry into generalist social work practice upon graduation.

Corequisites: SOWK4960/4961/4962

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.

NON-TRADITIONAL PROGRAM

THEO2120. Survey of Christian Theology (3)

A study of the foundational doctrines of the Christian faith from a biblical perspective with special emphasis given to the Wesleyan-Arminian tradition. **Prerequisites:** Admission to the Non-Traditional Program.

THEO3595. 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:** THEO2120.

THEO4245. Theology of Holiness (3)

An extended study of the theology of entire sanctification. Emphasis will be given to its biblical and historical background, especially as developed by John Wesley and the Wesleyan holiness tradition. **Prerequisites:** BIBL1120, BIBL3155, THEO2120.

THEO4535. 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:** THEO2120.

THEO4545. 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:** THEO2120, THEO4535.

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Ministerial Scholarship/Standing: Michael Kipp, Director
Graduate Theological Education Online: Jay Akkerman, Director
Online Christian Ministry: Joseph Gorman, Director
Online Theological Resources: George Lyons, Director
Online Ministerial Course of Study (English): James Rotz, Director
Online Ministerial Course of Study (Spanish): Randy Bynum, Director

Extended University Services: Larry M. McMillin, Dean
Continuing Studies: Mary Jones, Director
Center for Professional Development: Mary Jones, Director
Summer School-Undergraduate: Mike Poe, Director
Study Tours: Larry McMillin, Director
Concurrent Credit: Dennis Waller, Director
Express Education: Dennis Waller, Director
GE Program: Gary Waller, Director
Murdock Capacity Building Grant: Kathy Johnson, Grant Manager
Brandt Center/Conferences and Events: Bryce Quarve, Director

Learning Resources: Sharon I. Bull, Dean
Academic Advising and Testing
Academic Support Center: Barbara S. Howard, Chair
E-Learning Services: Christine Bauer, Chair
Information Technology: Eric Kellerer, Chair
Library Services: Sharon I. Bull, Chair
Media Technology: Duane L. Slemmer, Chair
Registrar: Nancy Ayers, Chair

OFFICE OF ENROLLMENT SERVICES AND MARKETING

Admissions

Admissions Director: Stacey Berggren
Assistant Director of Admissions: Michael Marston
Senior Admissions Counselor: Anna Lee
Admissions Counselor: Steen Edwards
Admissions Counselor: Josh Hodges
Admissions Counselor: Jennifer Knight
Admissions Counselor: Carly Peck
Admissions Campus Visit Coordinator: Melissa Smith
Transfer Student Counselor: Anna Lee

Financial Aid

Financial Aid Director: Wes Maggard

Assistant Director of Financial Aid: Nicole McMillin

Financial Aid Officers: Janet Canfield, Dick Goff

Marketing and Public Relations

Director: Hollie Lindner

Web

Webmaster: Jeff Sharpton

Web Programmer: Zachary Vineyard

OFFICE OF FINANCIAL AFFAIRS

Vice President for Financial Affairs: David C. Peterson

Bookstore Manager: Gail Walker

Business Office

Controller: Shirley Haidle

Assistant Controller: Daphne Van Stone

Director of Human Resources: Sherry Hartman

Executive Director of Information Technology: Eric J. Kellerer

Director of Operations: Dick Van Schyndel

Food Service Manager: Andrew Chaplin

OFFICE OF SPIRITUAL AND LEADERSHIP DEVELOPMENT

Vice President for Spiritual and Leadership Development: Fred Fullerton

Wesley Center for Servant Leadership: Fred Fullerton

Dean of the Chapel, Director, Office of Spiritual Formation: Gene Schandorff

Director of Student Ministries: Julene Tegerstrand

OFFICE OF STUDENT DEVELOPMENT

Vice President for Student Development: Carey W. Cook

Student Development Directors

Campus Life: Tim Milburn

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Career Center: Amanda Marble

Counseling: Joanne Rittmueller, Stacy Freiburghaus

Health Services: Cheri Marshall

Multi Cultural Affairs and Retention: Jamie Coleman

Residential Life: Karen Pearson

Campus Safety: Darrel Stewart

OFFICE OF UNIVERSITY ADVANCEMENT

Vice President for University Advancement: Joel K. Pearsall

Director of Major Donor Relations: Bryon Knight

University Fund Director: Linda Nicholson

Director of Planned Giving: Shawn Blenker

Director of Alumni Relations: Darl Bruner

Assistant Director of Alumni Relations: April McNeiece

ATHLETICS

Athletic Director: Rich Sanders
Assistant Athletic Director: Barb Robertson
Assistant Athletic Director/Sports Information Director/Golf: Craig Stensgaard
Faculty Athletic Rep: Dr. Duane Slemmer
Athletic Trainer: Ken Becker
Assistant Trainer: Rachel Lindvall
JSC Facility Manager: Eric Schaffner
Baseball, Head Coach: Tim Onofrei
Assistant Baseball Coaches: Eric Schaffner, Skyler Mantz, Pete Troyer
Basketball, Men's Head Coach: Tim Hills
Assistant Men's Basketball Coach: Brandon Rinta
Basketball, Women's Head Coach: Kelli Lindley
Assistant Women's Basketball Coaches: Ryan McCarthy, Dr. Carey Cook, Jesi Metz
Golf, Men's Head Coach: Craig Stensgaard
Assistant Golf Coach: Chris Jensen
Soccer, Men's Coach: Coe Michaelson
Assistant Coaches: Matt Reuschle, Dan Mangeac, Ryan Scott
Soccer, Women's Coach: Jamie Lindvall
Assistant Coach: Rachel Lindvall
Softball, Head Coach: Julie Coert
Assistant Softball Coaches: Kate Seward, Dave Whiting
Track & Field/Cross Country, Head Coach: John Spatz
Assistant Track & Field Coaches for men and women: Dustin Ainsworth, Tim Beck, Ben Gall,
Scott Kinnaman, Jake Perry
Volleyball, Head Coach: Jared Sliger
Assistant Volleyball Coaches: Darlene Brasch, Curtis Johnson
Office Manager: Jewel McKinney
Financial Secretary: Stacey Swanson

Faculty

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B.A., Northwest Nazarene University; M.A., Boise State University

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David Alexander (2008-), President

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- Jill Macauley (2009-), Assistant Professor of English as a Second Language**
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- Mark Maddix (2002-), Dean, School of Theology and Christian Ministries, Associate Professor of Practical Theology**
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Bill Russell (2002-), Associate Professor of Business

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B.A., Northwest Nazarene University; M.A., Central Michigan University

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Mollie M. Sweet (2003-), Associate Professor of Business

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- Kevin Timpe (2009-), Associate Professor of Philosophy**
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- Jamie Tucker (2006-), Assistant Professor of Art**
B.A., Saint Mary-of-the-Woods College, IN; M.F.A., Indiana State University
- George Turner (1974-), Associate Professor of Music**
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- Richard Van Schyndel (2008-), Associate Professor of Business**
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- Xueyi (Frank) Wang (2008-), Assistant Professor of Computer Science**
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B.A., Th.B., Northwest Nazarene University; M.A., University of Wichita; Ed.D., University of Southern California

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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

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

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

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., Albertson College of Idaho

Mary Shaffer (1955-1956, 1971-1998), Art

B.A., Northwest Nazarene University; M.A., Ball State University; M.S., Ed.D., Indiana University

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 Woodcook (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 Fellow

Wallace C. Johnson (1993-), Chemistry

B.A., Northwest Nazarene University; M.S., New Mexico Highlands University

Annotated Academic Calendars

2010-2011

Fall Semester (FA10)

Aug 27-30	Fri-Mon	New Student Orientation, Testing, and Registration
Aug 30	Mon	Returning Student Registration
Aug 31	Tues	Classes Begin: Semester and Quad I
Sept 1	Wed	Last Day to Enroll at NNU (Register and Make Arrangements for Payment)
Sept 6	Mon	Labor Day (Student Holiday)
Sept 8	Wed	Last Day to Add a Semester and Quad I Class
Sept 10	Fri	Last Day to Drop a Semester and Quad I Class without a “W”
Sept 28	Tues	Last day to Withdraw from a Quad I Class with a “W”
Oct 20	Wed	Quad I Classes End
Oct 21-22	Thurs-Fri	Final Examinations for Quad I
Oct 25	Mon	Quad II Classes Begin
Oct 26	Tues	Quad I and Semester Mid-Term Grades Due
Oct 28	Thurs	Last Day to Withdraw from a Semester Class with a "W"
Nov 1	Mon	Last Day to Add a Quad II Class
Nov 3	Wed	Last Day to Drop a Quad II Class without a "W"
Nov 19	Fri	Last Day to Withdraw from a Quad II Class with a “W”
Nov 24-26	Wed-Fri	Thanksgiving (Student Holiday)
Dec 10	Fri	Last Day of Undergraduate Classes
Dec 13-16	Mon-Thurs	Final Examinations for Semester and Quad II Classes
Dec 21	Tue	Grades Due

Spring Semester (SP11)

Jan 10	Mon	Check-In, Registration, and Testing
Jan 11	Tues	Classes Begin: Semester and Quad I
Jan 12	Wed	Last Day to Enroll at NNU (Register and Make Arrangements for Payment)
Jan 17	Mon	Martin Luther King Day (Student Holiday)
Jan 19	Wed	Last Day to Add a Semester and Quad I Class
Jan 21	Fri	Last Day to Drop a Semester and Quad I Class without a "W"
Feb 8	Tues	Last day to Withdraw from a Quad I Class with a "W"
Feb 21	Mon	Presidents' Day (Student Holiday)
Mar 2	Wed	Quad I Classes End
Mar 3-4	Thurs-Fri	Final Examinations for Quad I
Mar 7	Mon	Quad II Classes Begin
Mar 8	Tues	Quad I and Semester Mid-Term Grades Due
Mar 14-18	Mon-Fri	Semester Break
Mar 21	Mon	Last Day to Add a Quad II Class
Mar 23	Wed	Last Day to Drop a Quad II Class without a "W"
Mar 24	Thurs	Last Day to Withdraw from a Semester Class with a "W"
April 11	Mon	Last Day to Withdraw from a Quad II Class with a "W"
April 22	Fri	Good Friday (Student Holiday)
April 25	Mon	Easter Monday (Student Holiday)
April 29	Fri	Last Day of Undergraduate Classes
May 2-5	Mon-Thurs	Final Examinations for Semester and Quad II Classes
May 7	Sat	Baccalaureate and Commencement
May 10	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
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Athletics

Johnson Sports Center	467-8876
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Bookstore (Textbooks, general books, gifts, clothing, supplies)

Student Center	467-8844
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Career Center (Career advising, interest assessment, résumé development, and employment information)

Student Center Lobby	467-8402
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Counseling Center

Appointments	467-8466
Director	467-8674
Counselor	467-8766
Student Center	

Extended University Services

Center for Professional Development	467-8495
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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	467-8368
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	467-8432
Master of Divinity with emphases in: Christian Education, Missional Leadership, Spiritual Formation	
Master of Business Administration	467-8123
Master of Social Work	467-8679
Master of Science in Counseling	467-8345
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	
Student Center	467-8768
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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