

Northwest Nazarene University
Undergraduate Catalog

2006-2008

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 Service

Administration Building		467-8463
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Academic Support Center (Reading, writing, study methods, computer applications, mathematics instruction, course-related tutoring, study sessions, workshops 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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Director of Multicultural Affairs

Student Resource Center		467-8768
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Extended University Services

Center for Professional Development		
Professional Development		467-8495
Summer School - Undergraduate		467-8495
Study Tours		467-8870
Concurrent Credit		467-8373
Express Education		467-8373
Business		467-8870
Counseling		467-8870
Education		467-8495
Religion		467-8368
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 in Religion (online) - Christian Education,
Pastoral Ministry, Spiritual Formation 467-8432
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

Registrar's Office (Transcript evaluations, Veterans Affairs,
School records)

On-Line Transcript Request: www.nnu.edu
(Academics/Resources/Online Transcript Requests)
Administration Building 467-6541

Security

Campus Emergency Only 467-8550
Dial 8911
Non-Emergency 467-8550
(University Security is available 24 hours a day, 365 days a year)

STEP (Accelerated 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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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.

NORTHWEST NAZARENE 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. NNU changed from quarters to semesters, May, 2000.

The University presently offers undergraduate majors in 29 areas and master's programs in seven disciplines. In addition to programs on its home campus, NNU students may study in cooperative programs in 10 countries around the world. Northwest Nazarene serves approximately 1,170 undergraduate students, 460 graduate students, and 8,236 continuing education students each year. The President of the University is Dr. Richard A. Hagood, who became President in 1993.

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

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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 and/or the Secretary of the U.S. Department of Education, 8060 165th Avenue N.E., Suite 100, Redmond, WA 98052-3981. 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 is 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 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 of entire sanctification or Christian holiness.

STATEMENT OF FAITH

Northwest Nazarene University, theologically, emphasizes the theistic view of God and man 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 man is born with a fallen nature, and is, 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 1997-2001)

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.

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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 our philosophy of education and our 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 five schools of the university: Arts, Humanities, and Social Sciences; Business; Education, Social Work and Counseling; Health and Science; and Theology and Christian Ministries.

An additional academic unit, the Center for Professional Development, offers continuing education and professional advancement opportunities.

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

UNIVERSITY LEARNING RESOURCES

The NNU learning resources provide support for the entire academic community. They include Academic Advising and Testing, Academic Support Center, Career Center, Information Technology, John E. Riley Library, and Registrar.

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

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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 standardized testing required by NNU as well as correspondence course examinations.

Academic Support Center

The Academic Support Center houses the Writing and Study Skills Centers, the NNU Peer Tutoring Service, and the Advisor to Students with Learning Disabilities. 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 (college study methods, writing, reading, mathematics, and computer applications), academic counseling, and accommodations for learning disabilities. The faculty and staff's mission is to make students' University experiences the best they can be. 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 can work with writing consultants, and individual study rooms. For a detailed description of the courses offered see course listings under Study Skills (ST).

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 facilitates faculty as they assist 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. There are several programs to assist students in their career search that are accessible on computer. These resources include: CIS (Idaho Career Information Services), Dependable Strengths Program, a current listing of helpful Internet Addresses, and the Career Center Home Page, www.nnu.edu/career. Career Week activities offer students several career-related events including an Etiquette Dinner/Dress for Success Style Show, Alumni Networking Day, and a major Career Fair. The SLICE program allows students to earn academic credit by being a liaison between the Career Center and their major department.

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. Four large computer labs and four smaller computer labs support the general student population. An additional Macintosh lab is provided for graphic arts majors.

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.
- Remote access: Students who live off campus have access to many campus services via their own internet service accounts or through the campus dial-up service.

Academic Computing Services

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.

Media Technology

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Media Services, 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 Services sells a wide range of supplies including graphic arts and production materials, blank audio and video tapes, 35mm film, and storage media. Student ID cards, and additional computer print credit may also be purchased at Media Services.

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

E-Learning Services

This team equips the campus with tools, such as Blackboard®, for teaching and learning online.

Web Services

This team designs, programs and manages content on the University's public web site. The internal (intranet) web site is maintained and provided for students and employees to access informational and technical resources that will enable them to fulfill their roles more efficiently.

Telecommunications

It is the goal of the Department of Information Technology to provide a functional, reliable voice network system. Each dormitory room in the residence halls and in some of the campus apartments have a telephone number and voice mailbox which is assigned to each resident student. Using the voice mailbox number and a password, messages can be checked both on campus and off campus. The student's telephone number and voice mailbox information will remain assigned to the resident student until graduation or withdrawal from the University.

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 120,000 volumes and currently receives 820 periodicals. In addition to books and periodicals, the library 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 www.nnu.edu/library can be reached from any computer with Internet capability. It provides links to the library's online catalog, other libraries, and various indexes and databases, many of which include full-text materials. Through its 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.

Reciprocal borrowing agreements are in place with Albertson College of Idaho and with Boise State University whereby students may check out a limited number of items from these nearby libraries.

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 tours, library instruction, interlibrary loans, and individual research assistance.

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

Registrar

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

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

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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; and;
3. identify, analyze, and respond to conditions and perspectives that degrade humans, create dependency, and contribute to avoidance of responsible behavior;
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, 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 to the Office of Enrollment Services, NNU, 623 Holly Street, Nampa, ID 83686-5897, 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

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

1. August 14, 2006, for fall semester enrollment.
2. December 15, 2006, for spring semester enrollment.

NEW FRESHMEN

Take the ACT or the SAT. All new freshmen 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 Guide" to assist them in the transfer process.

Federal financial aid regulations require that students transferring to NNU with less than an Associate of Arts degree will need an official transcript showing proof of high

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school graduation, or a copy of GED scores, or pass an approved Ability to Benefit (ATB) test.

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 500 on the paper examination, or a minimum score of 173 on the electronic examination to be admitted to the University.

RENEWAL OF APPLICATION

Students that 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 and 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. Graduates of non-accredited senior high schools.
3. 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:
 - a. a minimum Standard Score Average of 450 and a minimum Standard Score on the Writing Skills Test of 450,
 - b. 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 university academics. Courses taken by the cohort include HU 101 Cornerstone, EN 101 Improvement of Language Usage (unless the ACT English score was above 17), MA 090 (unless the ACT math score was above 18), and ST 121 College Study Methods. A GPA of at least 2.0 must be earned in these courses in order to continue on to the second semester.

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 the same documentation as any other NNU freshman applicant, which includes ACT 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.

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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 limited number of courses 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 Continuing Studies 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 admitted upon special review and approval of the Admissions Committee. 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 non-credit basis.

ADMISSION TO THE PROFESSIONAL NURSING PROGRAM

Admission to the Professional Nursing Program is based on successful completion of established criteria. 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 Advance Tuition 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 Regents as part of the consideration of the projected costs of operation. In addition to revenue from student charges, a major supplement to the cost of the student's education comes from donations from Churches of the Nazarene, business, and individual sources. The actual costs of operation are affected by some factors over which the institution has little or no control. The charges 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 instructions, 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.**

Admission and Financial Aid

PAYMENT

Payment and/or satisfactory financial arrangement of the balance due on a student's account must be completed by August 15, 2006 for fall semester, and January 3, 2007 for spring semester. In determining the balance due, financial aid awarded for the semester will be deducted from the total semester charges. A late payment fee of \$100 will be assessed if payment and/or satisfactory financial arrangement has not been completed by August 28, 2006 for fall semester and January 15, 2007 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. Participation in a payment plan is to be completed by August 15, 2006 for fall semester and January 5, 2007 for spring semester (due dates referenced above). Two installment plans are available; a 12-month plan beginning June 5 and ending May 5, or a 10-month plan beginning August 5 and ending May 5.

ADVANCED DEPOSITS AND FEES

A New Student Advanced 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. In addition, students applying to live in campus housing (residence hall or apartment) will be assigned room reservations on a priority based on the date the deposit is received. Of this deposit, \$50 is held as a contingency deposit for all students, and is refunded to the student upon graduation or earlier withdrawal from the university if the student has paid all fines and charges. The balance of \$200 is applied to the new student's account at the time of enrollment.

Refunds shall be made according to the following schedule:

<u>Date of Cancellation for fall semester</u>	<u>Amount of Refund</u>
By June 15	Full Refund
By July 15	50% Refund
By July 16 and thereafter	No Refund

<u>Date of Cancellation for spring semester</u>	<u>Amount of Refund</u>
By November 15	Full Refund
By December 15	50 Percent Refund
By December 16 and thereafter	No Refund

Books and Supplies average about \$360 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:

Admission and Financial Aid

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 worthy students in their pursuit of a liberal arts education, NNU is committed to providing scholarships, awards, grants, and allowances. Each year thousands of dollars are provided for this purpose. Some of the funds come from endowed scholarships, university funds, and federal funds (Title IV aid).

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

1. Recognition of achievements,
2. Assisting competent students to acquire a college education,
3. The recruiting and retaining of students.

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

1. To reward students for excellence in academic performance;
2. To reward students for achievements that may be other than academic;
3. To aid students for whom pursuit of a college education is an unusual financial hardship.

Financial stipends, narrowly defined, should convey commitment to accomplishment by the University. Those who receive such funding are a comment on the University's own image of its purpose.

Application for Admission and for Financial Aid is a combined process at NNU. Awards of aid are reserved for those students who have applied for admission. Priority in the awarding of aid from federally funded programs will be given to completed applications (the NNU Application for Admission, Scholarships, and Financial Aid, and the Free Application for Federal Student Aid) received by March 1. All aid, whether it be from NNU or federal funds, must be applied for each year. Returning students will need to secure the proper application for scholarships and allowances from the Financial Aid Office, Northwest Nazarene University, 623 Holly Street, Nampa, ID 83686-5897. All institutional scholarships, grants, awards and allowances are considered when packaging 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 all colleges must use to determine the family's ability to pay and resulting need. Students should submit a copy of the FAFSA to the federal processor designating Northwest Nazarene University to receive the analysis. NNU's school code is 001624. The FAFSA may be obtained from NNU or from most high school counselors or online at www.fafsa.ed.gov and should be filed in conjunction with the NNU Application for Admission, Scholarships, and Financial Aid.

Payment of Financial Aid - All financial aid is disbursed to students by crediting one-half of the year's total award to the student's account each semester.

Admission and Financial Aid

Requirements for Financial Aid -To receive any financial assistance, students must be maintaining 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.

In order to receive federal aid funds, a student must not be in default or delinquent on a previous federal student loan.

Restriction - The administration has set a maximum amount in aid funds that may be received by a student. In an exceptional case in which the maximum is exceeded the University may reduce these benefits.

INSTITUTIONAL SCHOLARSHIPS

Three types of scholarships are available to students—scholarships funded by University, scholarships funded by the earnings of money donated to the University endowment fund, and scholarships provided by donors. A separate listing of scholarships available at NNU may be requested by contacting the Financial Aid Office.

All first-time freshmen at NNU are automatically considered for all scholarships that they may be eligible to receive by completing the NNU application for Admission, Scholarships, and Financial Aid. If any additional application forms are required, they are generated from the filing of the Admission, Scholarships and Financial Aid Application. Most endowed and departmental scholarships are awarded to students who meet the required criteria 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 Scholarship/Financial Aid Manual.

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.

AWARDS

The term “award” refers to a stipend which is given on a basis other than performance.

Trustee Award. 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 (match is based on the first \$250 award received from the church). 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.

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.

Service Club Award. NNU will match a cash award up to \$250 from a participating Nampa, Idaho, service club.

ALLOWANCES

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

Family. During any semester in which three or more unmarried students from one family are enrolled, each student is eligible for this allowance. The Family Allowance may not be awarded if other forms of institutional aid cover full tuition.

Foreign Student Allowance. Full-time undergraduate students who are not eligible for federal aid (this includes Canadians) and dependents of full-time missionaries under appointment are eligible for this allowance.

Grad-Back Tuition. A 50 percent reduction in tuition is available for students taking 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 Canada Nazarene colleges/universities or Nazarene Theological Seminary are eligible and should apply for up to full tuition allowance. The requirements as described by the General Church Department of Education 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 Christian workers, or their dependents, who are serving within the Northwest Education Region (or outside of any other Nazarene education region) as pastors, assistant pastors, evangelists, ministers of Christian Education, or ministers of music. The definition of “dependents” will be consistent with the U.S. Department of Education definition used when awarding federal funds. 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 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.

Admission and Financial Aid

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 allowance.

INSTITUTIONAL GRANTS

Ethnic Minority Grant. For citizens or permanent residents of the U.S. and Canada who are members of an ethnic minority. Applicants must demonstrate need by filing the Free Application for Federal Student Aid.

Montgomery Missionary Dependents Grant. This grant is in memory of Kenneth Montgomery, and funds are provided by those who are especially interested in supporting children of missionaries.

Phelps Book Grant (Endowed). Mr. and Mrs. Melvin Phelps established the Phelps Endowed Book Fund for the purpose of helping students in the purchase of books and supplies and encouraging them in their college careers.

FEDERAL GRANTS

The United States government through the Department of Education has made funds available for three Federal grant programs. 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 amount of grant awards is not made.

Federal Pell Grant. All undergraduate students are urged to apply for the Pell Grant. Eligibility is determined by filing the Free Application for Federal Student Aid (FAFSA). The U.S. Department of Education will mail the student a Student Aid Report (SAR) approximately 3 to 4 weeks after filing.

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.

FEDERAL LOANS

The Federal Perkins and Subsidized Stafford loans are awarded on the basis of financial need and have no interest accruing during the student's period of enrollment.

Federal Perkins Loans. These loans are given only to students with definite financial need, plus the stipulations noted above. The federal government establishes an annual level of lending which results in a limited amount of loan funds being available. The rate of interest during the repayment period is 5% simple interest. 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 loans made by a lender such as a bank, credit union, or savings and loan to help pay for educational expenses. Applications are available through the Financial Aid Office or from the lender. Repayment begins 6 months after graduation or discontinuance of at least half-time enrollment.

Unsubsidized Federal Stafford Loans. Students who do not qualify for the Subsidized Stafford Loan may apply for the Unsubsidized Stafford Loan. The difference being that the government does not pay the interest to your lender on this loan while you are in school. Payments of your principle and interest may be deferred while enrolled at least half time.

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 who are of one-fourth or more Indian blood are eligible. They must demonstrate high scholastic ability and need financial assistance. More information may be obtained 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 handicap 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, 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 and three-year scholarships. These scholarships pay for tuition, textbooks, laboratory fees, and other purely academic expenses for each year that the scholarship is held. Scholarship cadets may also receive subsistence allowance (tax free) of up to \$1,500 each school year that the scholarship is in effect.

PART-TIME EMPLOYMENT

Admission and Financial Aid

Campus Employment. Part-time employment is available to students on campus in the areas of food service, library, custodial, and instructional and administrative assistants to various campus personnel and departments. A number of these positions of employment are provided 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 and click on “Student Resources” and then “Career Center”.

Idaho State Work Study Program. Students working off campus in jobs that are closely related to their major field of study who show “need” may be eligible to participate in this program.

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 Planning and Placement Office.

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 additional information the Financial Aid Office or Registrar’s Office may be contacted.

STUDENT RIGHTS AND RESPONSIBILITIES

As recipients of federal student aid, students have certain rights and responsibilities. Knowing what these are will put students in a better position to make decisions about their educational goals and the best means to achieve them. 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 re-payment period, when the payment begins, and what cancellation or deferment provisions apply.
10. If students are offered a Federal College Work-Study job—what kind of job it is, what hours they must work, what their duties will be, what the rate of pay will be, and how and when they will be paid.
11. The school's policy in reconsidering 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 student financial 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 Enrollment Services 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 they sign a promissory note, students are agreeing to repay their loan.
7. Participate in both an entrance and exit interview at the University if they have a Federal Perkins Loan or Federal Stafford Loan.
8. Notify the University of a change in their name, address, or attendance status. If they have 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

TUITION

	Cost Per Semester	Cost Per Year
12-19 Undergraduate Semester Credits	\$ 9,215	\$ 18,430
(Less than 12 or more than 19 — \$798 per semester credit)		
Post-Baccalaureate/NNU Graduate \$399 per semester credit		
Post-Baccalaureate/non-NNU Graduate \$798 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 (campus programs)	(208) 467-8415
	toll free (887) NNU-4-MBA
MBA (online)	(208) 467-8123
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	\$ 170	\$ 340
Health clinic and accident insurance	\$ 20	
Student Government Association	\$ 85	
Technology	\$ 35	
Registration	\$ 5	
Athletic Facilities	\$ 25	
Undergraduate enrolled for 6-11 credits		
Student Government Association	\$ 45	
Technology	\$ 5 per credit (up to maximum of \$35)	
Registration	\$ 5	
Athletic Facilities	\$ 15	
Undergraduate enrolled for 1-5 credits		
Technology	\$ 5 per credit (up to maximum of \$50)	
Registration	\$ 5	
Athletic Facilities	\$ 10	

Special Fees

Admission and Financial Aid

Key deposit	\$ 10
Dorm dues	\$ 20 per semester (paid with your tuition payment)
Contingency deposit	\$ 50 a one time refundable deposit
University credit by examination	\$ 60 per examination
Non-credit fee per course credit	\$ 35
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.

Classes taken for credit: \$399 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 \$200 per semester. Room charge includes furniture and utilities. Room assignments are made by the Office of Student Development (208) 467-8643.

Platinum Plan available to all students:

	Cost Per Semester	Cost Per Year
Platinum Meal Plan and Single Student in Shared Dorm Room	\$ 2,430	\$ 4,860

The 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 \$25 Flex dollars per semester to use at Amity Perk.

Gold Plan available to Sophomore, Junior and Senior students first semester; Freshman are eligible second semester:

	Cost Per Semester	Cost Per Year
Gold Meal Plan and Single Student in Shared Dorm Room	\$ 2,360	\$ 4,720

The meal plan offers students three meals/entries per semester between the hours of 7:00a.m. to 10:00p.m. Student also has \$50 Flex dollars per semester to use at Amity Perk.

Silver Plan available to Corlett, Olsen and Holly Residents:

Admission and Financial Aid

Fall Semester	July	mailed to the student's home address
Spring Semester	Late November	mailed to the student's NNU box and home address

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 will deduct a processing fee (usually 3%-4%) from their subsidized and unsubsidized Stafford loan and Plus loan applications. The lender will deduct a five percent (5%) processing fee from an Alaska Student Loan application. Questions concerning your financial aid should be directed to (208) 467-8347, 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, the Bachelor of Science, and the Bachelor of Science in Applied Studies degrees. Majors are offered in 29 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.

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 299.
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 with the exception that two supplemental courses with a grade of D (1.000 to 1.300) may be accepted. 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.

Degree Requirements

7. **COMPREHENSIVE EXAMINATION.** The Collegiate Assessment of Academic Proficiency (CAAP) is an assessment of student knowledge taken during the 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.

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. Category I - Abilities (17 credits)

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

EN 102. English Composition (3 credits)

To be completed by end of first year of residence

EN 202. Research Writing and Critical Thinking (3 credits)

To be completed by end of second year of residence

CO 121. Introduction to Public Speaking (2 credits)

Options: CO 321. Advanced Public Speaking (2 credits); or, Proficiency examination, which meets the requirement, but does not grant credit

KI 100. Fundamentals of Wellness (1 credit)

To be completed during first year of residence

KI activity (KI 102 or KI 103 courses) - Two different courses (2 credits)

One must be a heart healthy activity

Mathematics Competency (3)

MA 110. Liberal Arts Mathematics (3); or, a higher level mathematics course; or, a quantitative course approved by the General Education Council.

Prerequisite: A student must have an ACT mathematics score of 21 or above, an SAT score of 550 or above, or have successfully completed MA 090 or the equivalent.

HU 101. Cornerstone (3 credits)

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

II. Contextual Disciplines (15 credits)

BL 111. Introduction to Biblical Studies (3 credits)

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

TH 211. Introduction to Christian Theology (3 credits)

To be completed before the fifth semester of residence, must be completed with a grade of C- or better

Students transferring to Northwest Nazarene University as juniors must complete 5-6 semester credits in Biblical and Religious Studies which will include TH 211 and a BL or TH elective. Students transferring as seniors must complete only TH 211.

Degree Requirements

Philosophy elective (3 credits)

Select one course from:

- PL 201. Introduction to Philosophy (3)
- PL 202. Ethics (3)
- PL 301. History of Ancient and Medieval Philosophy (3)
- PL 302. History of Modern Philosophy (3)

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

Select one U.S. history option from:

- HS 203. Conflict and Consensus: American History to 1877
(3 credits)
- HS 204. Conflict and Consensus: American History from 1877
(3 credits)

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

- HS 103. The World and the West I (3 credits)
- HS 104. The World and the West II (3 credits)

Cross-Cultural Experience (see experience options and written assignment listed below requirement)

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

And a ten page paper about the cross-cultural experience, particularly the development of knowledge, attitudes and skills, to be present in the college portfolio.

And participate in one cross-cultural awareness session (4hr, no credit) offered at least once per semester prior to participating in cross-cultural experiences. (see below)

Tier I Experiences:

- Approved multi-cultural semester experience
- Approved Travel (e.g., 2 week mission trip)
- Students who have lived overseas for at least 1 year

Tier II Experiences:

- Approved US/Canada cross-cultural experience
- Second semester Modern Language Course
- Cross-Cultural Courses with additional 10-15 hours of contact

Tier III Experiences:

10 hours of approved cross-cultural contact experiences
(may repeat the same experience 3 times)
Courses with 5-10 contact hours
First semester modern language course

III. Explorations (23 credits)

Upper-division Bible Literature or Theology (2-3 credits)

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

Art History/Music Literature Elective

Art History: AR 101, 119, 325, 375, 425

Music Literature: MU 101, 326, 327, 375

Literature Elective

Literature: EN 221, 222, 231, 232, 241, 242, 243, 321, 324, 325,
331, 332, 335, 341, 344, 351, 352, 353, 374, 427, 434, 435.

Science Electives with lab (7 credits)

Science (BI, CM, NS, PH prefixed courses)

Social Science (6 credits)

Select two areas from the following:

Economics (EC prefixed courses)

Geography (GE prefixed courses)

Political Science (PS prefixed courses)

Psychology (PY prefixed courses)

Sociology (SO prefixed courses)

HU 401. Capstone (1 credit)

THE HONORS GENERAL EDUCATION PROGRAM

(Open only to students in the honors program)

To complete the honors General Education Program at Northwest Nazarene University, the student must complete HU 250, 251, 252, and 253, and XXX semester credits of courses distributed in three categories. The categories with the number of credits required in each are:

I. Category I - Abilities (12 credits)

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

Degree Requirements

EN 202. Research Writing and Critical Thinking (3 credits)

To be successfully completed by end of second year of residence

KI 100. Fundamentals of Wellness (1 credit)

To be successfully completed during second year of residence

KI activity (KI 102 or KI 103 courses) - Two different courses (2 credits)

One must be a heart healthy activity

Mathematics Competency (3)

MA 110. Liberal Arts Mathematics (3); or, a higher level mathematics course; or, a quantitative course approved by the General Education Council.

Prerequisite: A student must have an ACT mathematics score of 21 or above, an SAT score of 550 or above, or have successfully completed MA 090 or the equivalent.

HU 101. Cornerstone (3 credits)

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

II. Contextual Disciplines (9 credits)

BL 111. Introduction to Biblical Studies (3 credits)

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

TH 211. Introduction to Christian Theology (3 credits)

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

Students transferring to Northwest Nazarene University as juniors must complete 5-6 semester credits in Biblical and Religious Studies which will include TH 211 and a BL or TH elective. Students transferring as seniors must complete only TH 211.

History Elective (3 credits)

Select one U.S. history option from:

HS 203. Conflict and Consensus: American History to 1877
(3 credits)

HS 204. Conflict and Consensus: American History from 1877
(3 credits)

Cross-Cultural Experience (see experience options and written assignment listed below requirement)

One activity 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

And a ten page paper about the cross-cultural experience, particularly the development of knowledge, attitudes and skills, to be present in the college portfolio.

And participate in one cross-cultural awareness session (4hr, no credit) offered at least once per semester prior to participating in cross-cultural experiences. (see below)

Tier I Experiences:

Approved multi-cultural semester experience
Approved Travel (e.g., 2 week mission trip)
Students who have lived overseas for at least 1 year

Tier II Experiences:

Approved US/Canada cross-cultural experience
Second semester Modern Language Course
Cross-Cultural Courses with additional 10-15 hours of contact

Tier III Experiences:

10 hours of approved cross-cultural contact experiences
(may repeat the same experience 3 times)
Courses with 5-10 contact hours
First semester modern language course

III. Explorations (23 credits)

Upper-division Bible Literature or Theology (2-3 credits)

Art History/Music Literature Elective (3 credits)

Art History: AR 101, 119, 325, 375, 425

Music Literature: MU 101, 326, 327, 375

Literature Elective (3 credits)

Literature: EN 221, 222, 231, 232, 241, 242, 243, 321, 324, 325, 331, 332, 335, 341, 344, 351, 352, 353, 374, 427, 434, 435.

Science Electives with one lab requirement (7 credits)

Degree Requirements

Science (BI, CM, NS, PH prefixed courses)

Social Science (6 credits)

Select two areas from the following:

Economics (EC prefixed courses)

Geography (GE prefixed courses)

Political Science (PS prefixed courses)

Psychology (PY prefixed courses)

Sociology (SO prefixed courses)

HU 401. Capstone (1 Credit)

Honors Programs Note: Completion of the year-long Honors Program satisfies the following Standard General Education requirements, which are not listed above: EN 102 English Composition, CO 121 Introduction to Public Speaking, a Philosophy elective, and a non-U.S history elective.

MAJORS OFFERED

Northwest Nazarene University offers undergraduate degrees in 29 majors. The degree requirements are given in this catalog in the section describing the sponsoring department. The majors offered are:

Accounting	Mass Communication
Applied Studies	Mathematics
Art	Music
Biology	Nursing
Business Administration	Philosophy
Chemistry	Philosophy and Religion
Christian Ministry	Physics
Computer Science	Political Science
Elementary Education	Pre-Physical Therapy
Engineering Physics	Psychology
English	Public Communication
History	Recreation and Sport Management
International Studies	Secondary Education
Liberal Studies	Social Work
	Spanish

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.

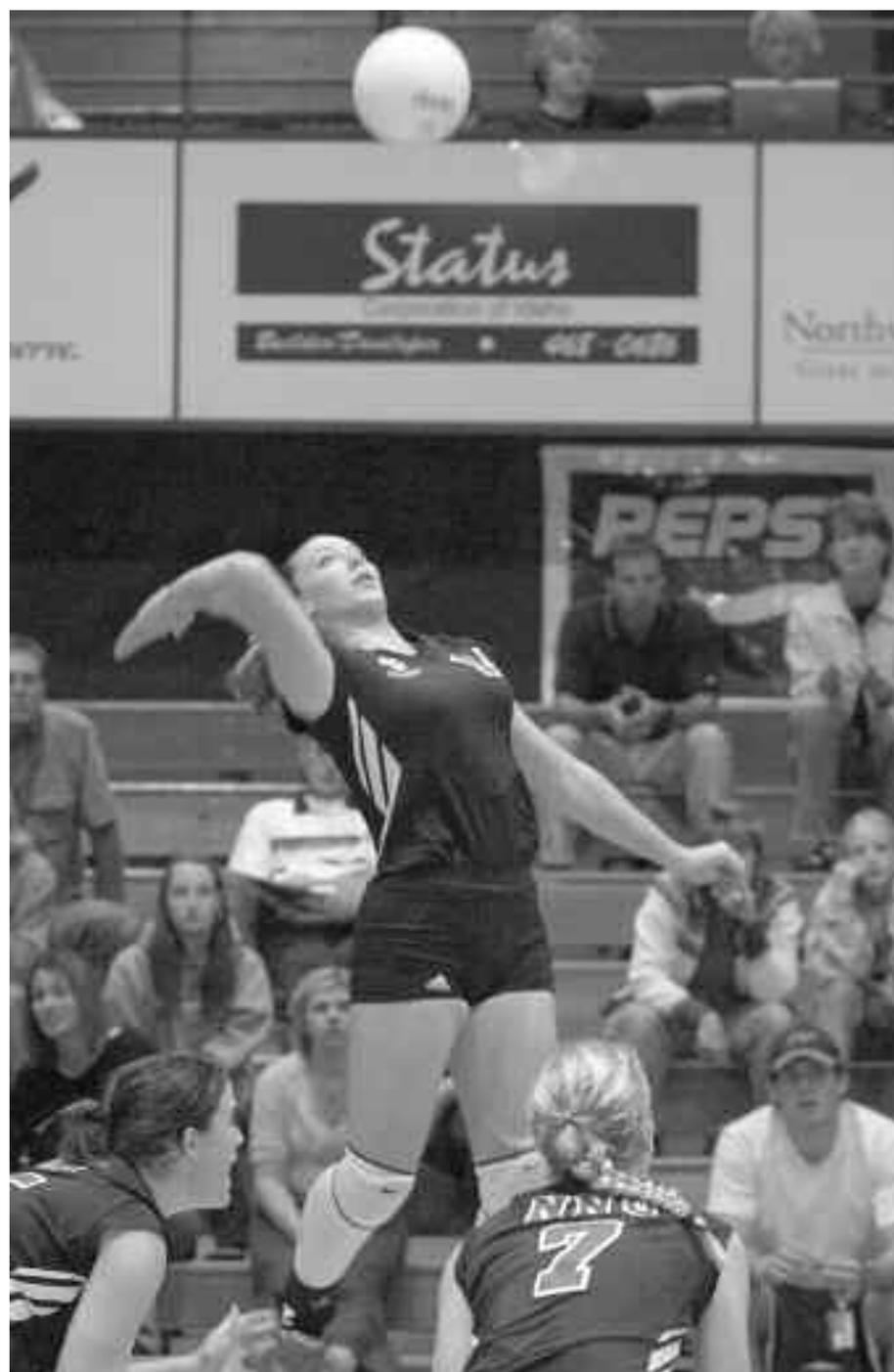
Degree Requirements

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 distinct credits not 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.

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:

Art	Marketing
Bible	Mathematics
Biblical Languages	Media Production
Business Administration	Missions
Children's Ministry	Music
Christian Education	Pastoral Ministries
Computer Science	Philosophy
Criminal Justice	Political Science
Drama	Professional Writing
Economics	Psychology
Environmental Science	Social Welfare
Film Studies	Spanish
Global Business	Speech Communication
History	Worship and Music Ministry
Literature	Worship Leadership
Management	Youth Ministry



ACADEMIC PERSPECTIVES

Undergraduate Academic Regulations and Information

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 PROBATION AND DISMISSAL

A student with an unsatisfactory academic record will be notified, and may be placed on probation or dismissed. If a student's grade-point average is below standard (1.750 for freshman, 2.000 for sophomores, juniors and seniors) the student will be placed on academic probation. Maximum credit load for the student will be 14 credits until he/she earns grades that leave both the cumulative and semester grade point averages at or above 2.000. Failure to maintain cumulative and semester grade point averages at university standard may result in dismissal from the University.

If a student's academic performance was hindered by unforeseen circumstances, he/she may submit a written appeal to the Academic Progress Committee. Appealing a decision of the committee does not guarantee a reversal of their initial decision.

If a student is dismissed from the University, the student may be reinstated by doing one of the following:

1. Attend another institution and earn a minimum of 8 semester credits with a minimum GPA of 2.0.
2. Attend NNU, as a "temporary non-degree seeking student", earning 8 credits with a minimum GPA of 2.0.

When reinstated, the student re-enters with probationary status.

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 examination for you (in class or take-home), submitting as your own another person's work, rescheduling an examination 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.

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.

Academic Perspectives

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 three different undergraduate degrees: Bachelor of Arts, Bachelor of Science, and Bachelor of Science in Applied Studies.

A student may earn an additional bachelor’s degree upon completion of at least 32 distinct semester credits in addition to the total credits required for the first degree. For example, if the student’s first degree was a Bachelor of Science degree in Business Administration, the second degree will require a minimum of 32 hours and whatever additional requirements are associated with the completion of a Bachelor of Arts 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 211 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 at least 32 distinct credits not duplicated in the first major or a minor. All requirements in both majors must be completed. Fifty percent of the 32 credit requirement in the second major must be upper division credits.

ADVANCED PLACEMENT CREDIT

A maximum of six (6) semester credits per course will be awarded for high school on-year Advanced Placement courses.

Credit for AP examinations 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	AR 101 Survey of Art and Music	3
	Art Literature Elective	3
Music Learning and Literature	AR 101 Survey of Art and Music	3
	Music Literature Elective	3
Music Theory	MU 121 Music Theory	3
	MU 122 Music Theory	3
Biology	BI 221 General Biology I: Foundations of Biological Diversity	4
*Chemistry	CM 221 General Chemistry I	4
Calculus BC	MA 251 Calculus 1	4
*Physics B	PH 111 College Physics I	4
*Physics C	PH 211 Physics for Science and Engineering I	4
English Lang./Comp.	EN 102 English Composition	3
	English Elective (Not Literature)	3
English Lit./Comp.	EN 102 English Composition	3
	Literature Elective	3
Microeconomics	EC 241 Microeconomics Analysis	3
Macroeconomics	EC 242 Macroeconomics Analysis	3
US Government and PS	PS 101 American National Politics	3
	PS Elective	3
U. S. History	HS 203 Conflict and Consensus: American History to 1877	3
	U. S. History Elective	3
European History	Two World History Electives	6

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French Language	FR 101	6
French Literature	FR 101	6
German Language	One Language Elective	6
Latin	One Language Elective	6
Spanish Language	SP 101	6
Spanish Literature	SP 101	6
Statistics	MA 224 Elementary Statistics	3

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

CHANGES IN REGISTRATION (Drop/Add)

Care should be exercised in choice of courses and class schedule so that changes will not be necessary after registration has been completed. Any changes made after the registration period must be requested in writing on a form specified for this purpose. The course instructor, major advisor, and the director of Academic Advising must approve changes.

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.

In no way does this action to change the add/drop policy reduce the responsibility of the student to maintain their schedules.

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.

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.

The semester **Special Student** refers to students who are allowed to attend NNU without submitting the credentials required for admission with regular status. Students

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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:

090-095	Remedial elective university credit
100-199	Introductory or basic freshman level courses
200-299	Pre-professional or sophomore level courses
300-399	Junior level courses
400-499	Senior level courses
500-699	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.

Reserved Course Numbers:

- XX 194-494 Topical Study (1, 2, 4) - A study of an area not covered by other courses.
- XX 395, 495 Practicum (1-4) - A combination of classroom instruction and out-of-class supervised practical experience by the student.
- XX 196, 296, 396 Field Experience (1) - An out-of-class supervised experience.
- XX 396, 496 Internship (1, 2, 4) - An advanced, off-campus supervised experience in the student's major discipline. Internships may carry up to 16 hours of credit. A minimum of 45 internship hours is required for one semester credit.
- XX 397, 497 Research, Major Projects, Senior Thesis
- XX 298, 398, 498 Seminar
- XX 199-499 Independent Study (1, 2, 4) Individualized out-of-class supervised study.

Cancellation of Courses

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

COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

This 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: i.e., 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 at or above the 50th percentile: 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 TESTING

This 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

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.

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CREDITS, MAXIMUM FOR NON-CLASSROOM EXPERIENCES

A maximum of 25 percent of the total credits required for a degree (31 credits) may be earned using CLEP, DANTES, 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 Business Department publishes a student directory during the fall semester, which includes a listing of the student's name, phone number, dorm and home address. A student photo is also included. NNU follows the FERPA guidelines of disclosure of personal information.

Directory information is considered not harmful nor invades student privacy, some of which is included in the student directory.

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.

Students may request that directory information not be disclosed.

GOOD ACADEMIC STANDING

Students who wish to participate and compete 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.

A student will not be considered in “good academic standing” after two consecutive semesters of sub standard performance.

INTERCOLLEGIATE ATHLETIC ELIGIBILITY

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

Men – basketball, baseball, cross-country, track and field, and golf.

Women – basketball, volleyball, softball, soccer, cross-country, and track and field.

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

Students who wish to participate and compete in intercollegiate athletics must be enrolled for at least 12 credits during the semester of intercollegiate athletic participation. Student athletes must meet all eligibility standards and transfer requirements specified by NCAA. The institutional policy and CUM GPA for Academic good standing take precedence. Other requirements are as follows by NCAA.

1. As a freshman, be registered and cleared by the NCAA Clearinghouse.
2. Before second year of competition, have accumulated at least 24 credits and have achieved a 2.00 or higher cumulative GPA.
3. Before third year of competition, have accumulated at least 48 credits and have achieved and maintained a 2.00 or higher cumulative GPA.
4. Before fourth year of competition, have accumulated at least 72 credits of which 48 credits must apply toward general education and/or major field of study requirements.
5. May participate in no more than four seasons in any one sport.

GRADE REPORTS

Grades are distributed to students at the end of the semester through the “myinfo” web-based system. Students, who desire their parents to view their grades, must give the parent access to the “myinfo” system by sharing their Novel login and password. A

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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		4.0
A-	Distinctly superior or exceptional work	3.7
B+		3.3
B	Meritorious work	3.0
B-		2.7
C+	Adequate work	2.3
C		2.0
C-		1.7
D+	Less than satisfactory work but passing	1.3
D		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	
NC	No 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 *S* 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 Academic Council or by persons delegated by it. 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.

GRADE APPEAL

Meeting Between The Student And Faculty Member: The student will take all reasonable measures to address and resolve the matter with the course instructor. This initial step may involve but does not require a written appeal; rather, the intent is to address and if possible resolve the matter between the course instructor and the student. Following the conclusion of this process the student will be informed by the instructor if a change will be made.

Meeting With The Student, Faculty Member, Department Chair or School Dean: If the first step does not resolve the matter the student may file a written appeal using the **Special Academic Petition** form and schedule an appointment with the chair of the department within which the course is offered. This meeting will include the student, course instructor and department chair. If the department chair is also the course instructor, then the school dean responsible for the department in which the course was

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offered will take part. Upon the conclusion of this meeting, the student will be informed if the appeal was approved or denied in writing by the department chair or school dean no later than five working days after the meeting.

Meeting With The Student, Faculty Member, Department Chair and School Dean or Vice President for Academic Affairs: If the second step does not resolve the matter to the student's satisfaction, then the student may request an appointment with the school dean having responsibility for the course offered. This meeting will include the student, course instructor, department chair and school dean. All documents related to the appeal are forwarded to this group with a cover letter from the student indicating facts that support the reconsideration of the appeal. If the school dean is involved, as addressed in the second step, then the appeal is directed to and an appointment is scheduled with the Vice President for Academic Affairs. Upon the conclusion of this meeting, the student will be informed if the appeal was approved or denied in writing by the school dean or Vice President for Academic Affairs no later than five working days after the meeting.

Action of the Academic Council, Undergraduate: If the third step does not resolve the matter to the student's satisfaction, then the student may file a written appeal in the form of a letter to the chair of the Academic Council, Undergraduate, requesting reconsideration of the appeal. All documents related to the appeal are forwarded to this group. The chair of the council will convene a meeting of the council in a timely manner, or place the appeal on the agenda for the council's next regularly scheduled meeting. The council will review the written appeal and may receive comments from those directly involved including the student, the course instructor, the department chair, and/or the school dean and then will resolve the matter in executive session. Upon the conclusion of this meeting the student will be informed if the appeal was approved or denied in writing by the council's chair no later than five working days after the meeting. The decision of the council is final. In the event that the council, by vote, evenly divides on the appeal, the prior decision of step three will stand.

Assumptions

1. By filing a Special Academic Petition form, the student agrees that all documentation necessary for consideration of the appeal will be available to those named in the Academic Appeal Process.
2. In order to move the appeal to the next step, the student will respond in writing to the previous action.
3. Written notification to the student from any individual or group regarding action on the appeal will be made in writing using campus E-mail, campus mail or a local address as indicated on the Special Academic Petition form.
4. Final records of the appeal process will be kept in the Office of the Registrar.

5. All information considered by the respective groups will be considered confidential and the following statement will be read prior to consideration of any student appeal.

This is to be read at the beginning of each appeal hearing:

This is a reminder that confidentiality is an integral part of the appeal process. The individuals and groups hearing an appeal must have access to sensitive information in order to conduct reviews. Participants must protect the confidentiality of this information. Unless indicated otherwise, all meeting materials, testimony, and discussions related to the appeal process are confidential.

Please remember that confidentiality has no expiration date—it lasts forever!

NON-GRADE APPEALS

Filing of the Appeal: Any appeal concerning undergraduate academic policies and not involving a course grade shall begin with the student completing and filing a **Special Academic Petition** form with the university Registrar.

Action of the Registrar: The Registrar will either grant or deny the petition, and will notify the student in writing no later than five working days after receiving the completed special Academic Petition form.

Action of the Appeal Committee: If the decision of the Registrar does not resolve the matter to the student's satisfaction, the student may file a written appeal in the form of a letter to the chair of the Academic Council, Undergraduate, requesting reconsideration of the appeal. The chair of this group will appoint an appeal committee to consider the matter. The appeal committee will review the written appeal and may receive comments from those directly involved including the student. Upon the conclusion of the meeting of the appeals committee the student will be informed if the appeal was approved or denied in writing by the appointed chair of the appeal committee no later than five working days after the meeting.

Action of the Academic Council, Undergraduate: If the decision of the appeals committee does not resolve the matter to the satisfaction of the student, the student may request that the Academic Council, Undergraduate hear the appeal. This request will be in the form of a letter to the chair of this group. All documents related to the appeal are forwarded to this group. The chair of the council will direct this written appeal to the full council and will convene a meeting of the council in a timely manner, or place the appeal on the agenda for the council's next regularly scheduled meeting. The council will review the written appeal and may receive comments from those directly involved including the student, and then will resolve the matter in executive session. Upon the conclusion of this meeting the student will be informed if the appeal

Academic Perspectives

was approved or denied in writing by the council's chair no later than five working days after the meeting. The decision of the council is final. In the event that the council, by vote, evenly divides on the appeal, the prior decision of the appeal committee shall stand.

Assumptions

1. By filing a Special Academic Petition form, the student agrees that all documentation necessary for consideration of the appeal will be available to those named in the Academic Appeal Process.
2. In order to move the appeal to the next step, the student will respond in writing to the previous action.
3. Written notification to the student from any individual or group regarding action on the appeal will be made in writing using campus E-mail, campus mail or a local address as indicated on the Special Academic Petition form.
4. Final records of the appeal process will be kept in the Office of the Registrar.
5. All information considered by the respective groups will be considered confidential and the following statement will be read prior to consideration of any student appeal.

This is to be read at the beginning of each appeal hearing:

This is a reminder that confidentiality is an integral part of the appeal process. The individuals and groups hearing an appeal must have access to sensitive information in order to conduct reviews. Participants must protect the confidentiality of this information. Unless indicated otherwise, all meeting materials, testimony, and discussions related to the appeal process are confidential.

Please remember that confidentiality has no expiration date—it lasts forever!

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 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 (Registration) and has cleared his/her student account with the Business Office (payment or arrangement for payment). Students will be encouraged to register for classes during the spring semester. Students will also be encouraged to clear their student accounts early in August, prior to coming to campus.

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.

Academic Perspectives

REPEATED COURSES

Students may repeat any course to improve a grade. In such cases the latest grade received, in the repeated course, will be the one considered in computing the grade point average required for graduation, academic probation, or honors. If a student desires to repeat a course to replace a grade with a transfer course, a petition for a repeat course 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 normally accepts university-level credits earned in academic degree programs at colleges and universities accredited by regional accrediting associations. Credits earned in other institutions are granted on a case by case basis. The University does not accept for credit courses in which a grade lower than C- (1.75) was received, nor does it accept sub-university (remedial or developmental) courses. Transcripts are evaluated by the Registrar. A transfer student's classification is based on the total number of credits accepted. A maximum of the first 62 semester credits (or one-half the total credits required for graduation) may be transferred from a two-year school. The computation of Cumulative Grade Point Average is based only on grades received at Northwest Nazarene University.

1. **Course-by-Course Transfer**

Credits earned at accredited colleges and universities will be evaluated by the Registrar. Classification is established by the evidence submitted. The university does not accept grades below "C-" (1.75) for transfer. Credits earned at non-accredited colleges and universities may be accepted and used to determine classification; evaluations are made on an individual basis. A maximum of 62 lower school semester credits or one-half the total required for graduation may be transferred from a two-year school. The computation of the Cumulative Grade Point Average is based only on grades received at Northwest Nazarene University.

2. **Two-Year Transfer Degree from Oregon, Washington, Idaho State**

Community Colleges, and Idaho four-year state institutions.

Students who plan to transfer to NNU upon completion of a two-year transfer degree should plan the courses for that degree carefully and with NNU in mind. Some of the transfer degrees require fewer courses in the areas of history, philosophy, or humanities than are required of NNU students. However, because most transfer degree programs allow a number of elective credits, students are encouraged to take credits in philosophy, history and humanities to fill these elective requirements.

Academic Perspectives

A student who enrolls at Northwest Nazarene University with the following degrees completed prior to admission:

1. **An Associate of Arts Transfer Degree** from any Oregon State Community College or Washington State Community College as approved by the ICRC (Inter-university Relations Commission for the State of Washington) with credits graded C- or better;
2. **An Associate of Arts or an Associate of Science Degree** from any Idaho State Community College or Idaho four-year state institution approved by the Idaho State Board of Education with credits graded C- or better will receive;
 - a. Junior Standing
 - b. Transfer credit up to a maximum of 62 semester credits
 - c. Waiver of all general requirements, with the following exceptions:
 - (1) **TH 211 Introduction to Christian Theology (4 credits)**
 - (2) **An elective in Bible Literature or Theology (2-3 credits)**
 - (3) **Any missing kinesiology activity requirements (up to 3 credits)**
 - (4) **Students who earn a grade of “D” from the transferring institution will be required to repeat courses in which NNU requires a grade of “C-” or better.**

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 300 and above). For a complete listing of the undergraduate degree requirements, refer to the previous chapter.

DROP FROM COURSES

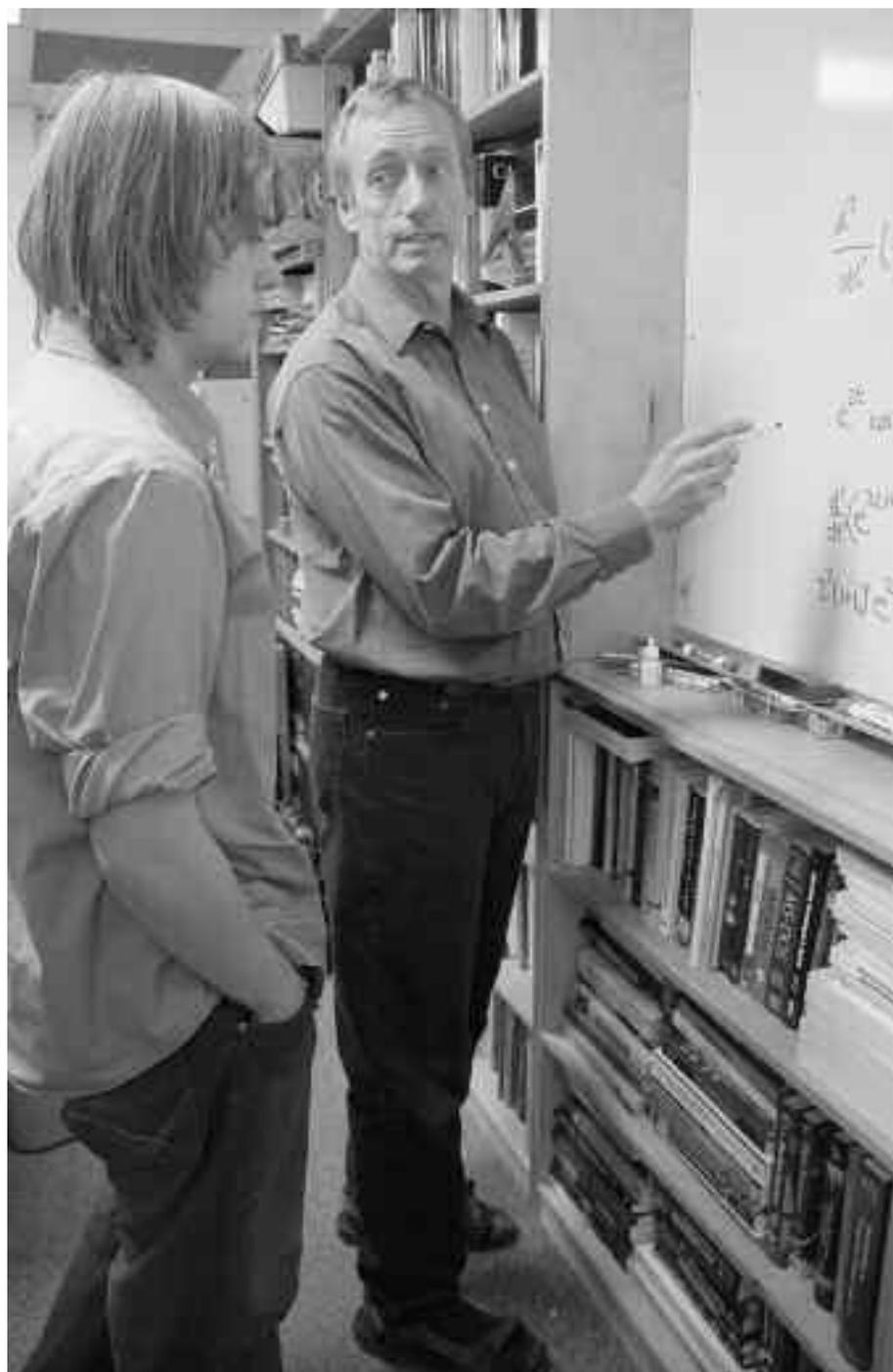
Students, who “drop” a class, must do so before the 8th day after the first day of classes in any semester. Students must complete a course drop form available in the office of the Registrar or Academic Advising and obtain approvals from the major advisor and office of Academic Advising. Dropped classes will not be recorded on the permanent record.

WITHDRAWAL FROM COURSES

Students desiring to “withdraw” from courses after the 8th day after midterm examinations in any semester must complete a course withdrawal form available in the offices of the Registrar or Academic Advising and obtain approvals from the instructor, major advisor, and Office of Academic Advising. 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 THE UNIVERSITY

Students who find it necessary to withdraw from the university before the last class session prior to final examinations 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

NNU 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 and offers university-level credits for selected courses administered through NNU and taught at local and on-line high schools by NNU-approved instructors. Tuition for Concurrent Credit is \$50 per credit.

Express Education Program:

The Express Education Program at Northwest Nazarene University is designed to enrich the educational opportunities of pre-college students who have demonstrated high academic ability. This program allows the student, at least 16 years old or high school junior status, to enroll in any 100 or 200 level course on campus, provided they meet the prerequisites. Included in the \$210 per credit tuition fee is an NNU ID card and technology fee, as well as access to the NNU library, gym, computer centers, athletic events and Student Center. 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. The plan is to indicate whether the major is departmental, interdepartmental, school, or inter-school and is to meet the normal study requirements for the selected type of major. Cooperative programs such as a combination of catalog

Special Programs and Study Opportunities

and off-campus or foreign studies are appropriate. 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	40	Approx. 22
Interdepartmental Major	50	59	Approx. 27

HONORS PROGRAM

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.

SUMMER SCHOOL

Summer School is designed to provide students 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.

ACADEMIC SUPPORT CENTER

Faculty: Barbara S. Howard, Kathy Burns

The Academic Support Center supports the entire academic program by providing full-time students with: 1) university study skills instruction, 2) reading instruction, 3) mathematics instruction, 4) computer instruction, 5) course-related tutoring, and 6) course-related tutoring, and 7) individualized learning activities in such areas as spelling improvement and general editing improvement, vocabulary building, speed reading, analytic reading, and pre-professional achievement test preparation. Many of these options are available for credit.

Special Programs and Study Opportunities

The Academic Support Center is a comfortable, open study area with individual study and counseling rooms and seating capacity in the larger study area for 20 students.

DEPARTMENT OF MILITARY SCIENCE

Coordinators: Department Staff

Objective: Provides the opportunity for NNU students to earn a commission in the United States Army, Army Reserve, or National Guard while pursuing a baccalaureate degree.

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 summer camp, or two years and two summer camps.

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

Financial Assistance

Each advanced course student (Junior and/or Senior) receives an allowance of \$375-\$400 a month for up to ten months a year for two years. Summer camp pay in addition to meals, quarters, medical/dental attention, and travel pay is \$760 (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: Steve Shaw, Mark Gismondi

The CCCU sponsors the following academic programs:

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,

Special Programs and Study Opportunities

interdisciplinary and led by ASP faculty and Washington professionals. ASP bridges classroom and marketplace, combining biblical reflection, policy analysis and real-world experience. Students are exposed to on-the-job learning that helps them build for their future and gain perspective on the calling of God for their lives. They are challenged in a rigorous course of study to discover for themselves the meaning of Christ's lordship in putting their beliefs into practice. The aim of the program is to help Council schools prepare their students to live faithfully in contemporary society as followers of Christ. Students earn 16 semester hours of credit.

Australia Studies Centre (ASC)

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

China Studies Program (CSP)

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

Contemporary Music 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

Special Programs and Study Opportunities

of original music. Both tracks include course work, labs, directed study and a practicum. Students earn 16 semester hours of credit.

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.

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.

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.

Special Programs and Study Opportunities

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 two to five 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

Special Programs and Study Opportunities

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.

The CCCU endorses the following academic programs:

Jerusalem University College

Coordinator: Wendell Bowes, Department of 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. Application forms are available at www.juc.edu.

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.

SISTER UNIVERSITY PROGRAMS

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

Special Programs and Study Opportunities

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.

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 eight semester credits of Romanian Language and Culture and eight 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.

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.

Canadian Nazarene University College

Canadian Nazarene University College is located in Calgary, Alberta, Canada. The college offers several academic 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 CNUC 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 Büsingen, 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

Special Programs and Study Opportunities

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.

ADDITIONAL OFF-CAMPUS STUDY PROGRAMS

Kazak-American Free University

Coordinator: Dr. David Houghton, 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.

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.

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.

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 found on the NNU website at www.nnu.edu.

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

Special Programs and Study Opportunities

Masters

<u>Program</u>	<u>Director</u>	<u>Phone</u>	<u>E-mail</u>
Business	Dr. Bill Russell Dr. Samuel Dunn	(208) 467-8404 (208) 467-8123	mba@nnu.edu mbaonline@nnu.edu mibaonline@nnu.edu
Curriculum and Instruction		(208) 467-8341	ci@nnu.edu
Educational Leadership	Dr. Mike Poe	(208) 467-8341	el@nnu.edu
Exceptional Child	Dr. Karen Smucker	(208) 467-8341	ec@nnu.edu
Counseling	Dr. Brenda Freeman	(208) 467-8345	counseling@nnu.edu
Religion Christian Education Pastoral Ministry Spiritual Formation	Dr. Mark Maddix	(208) 467-8432	mar@nnu.edu
Social Work	Professor Mary Curran	(208) 467-8679	maw@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.

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

Special Programs and Study Opportunities

apprenticeship classes for business and individuals and customized training programs delivered on request to employers throughout the Treasure Valley.*

Paralegal

This intensive, nationally acclaimed program is designed for beginning as well as advanced legal workers. Students will be trained to assist trial attorneys, interview witnesses, investigate complex fact patterns, research the law, and assist in preparing cases for courtroom litigation. The instruction is practice-oriented and related to those areas of the law in which legal assistants are most in demand. There are no prerequisites, but students will be expected to complete a significant amount of homework for each weekly session. This program will help students increase their office's efficiency, productivity, and billable hours as well as learn new marketable job skills. Successful graduates will be awarded a Certificate of Completion from NNU. To receive a Certificate, students must pass six quizzes and successfully complete five legal document writing assignments. This program is offered in partnership with the Center for Legal Studies. (8.4 CEU)

Advanced Paralegal courses are available online.

Electrician Apprentice

The Electrician's apprenticeship program is a non-credit program preparing individuals for industrial, residential and commercial electrical journeyman positions as well as successfully completing the State of Idaho Journeyman Licensing Examination. The curriculum is taught by local active electricians who know the challenges of today's market and includes classroom instruction in safety, tools of the trade and theory in all aspects of the electrical trade. A minimum of 144 hours in class instruction and 2,000 working hours per year are required.

An enhanced correspondence online course is also available.

The First Time Home Buyer Education

The Finally Home! Class addresses the issues that potential home owners face. Graduating from the class can put the prospective home buyer in line to receive up to \$3,000 in down-payment of closing-cost assistance from IHFA. A qualified graduate also may be eligible to use gifted funds at the time of closing, could qualify for lower mortgage insurance premiums and may be able to participate in programs that accept higher debt ratios. The Finally Home! Course is offered in partnership with the First Time Home Buyers Education Program. The course is offered the second Saturday of every month and is held from 8:30 a.m. - 5:00 p.m. (.8 CEU)

Certified Business Manager Review Course

Certified Business Manager is a masters-level certification based on an MBA curriculum. The CBM program provides a generalist business education at the graduate level covering essential subject matter useful to practitioners. The three-part, nine-hour examination is based on a comprehensive and practical business curriculum that addresses the core and functional areas of business. These areas include ten learning modules, General Management and Organization, Operations Management, Marketing Management, Quality and Process Management, Human Resource Management, Accounting, Finance, Information Technology, Corporate Control and Governance and International Business. To assist students in preparing for the CBM examinations review courses are available. (2.7 CEU per class)

Seminars

Business seminars addressing current business topics are available throughout the year. Contact the Center for Professional Development at (800) 349-6938 to obtain a seminar schedule. (CEU)

Customized Training

Customized training is available to organizations, businesses and community groups requesting a course on a specific subject. Courses are delivered on the NNU campus or on-site in the delivery format that is determined by the organization. Courses often include customized curriculum directly related to the request. Examples of courses delivered include Train the Trainer, Capacity Management, C++, etc. (CEU)

*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 Cru-Keys and the annually revised [Student Handbook](#). All students are responsible to follow said policies. A copy of the [Student Handbook](#) is available on the web at www.nnu.edu/handbook.

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**
- ACM (Computer Club)**
- Alpha Epsilon Delta (Pre-health Honor Society)**
- American Marketing Association**
- Camelot Club (English)**
- Chemistry Club**
- Circle K**
- College Democrats**
- College Republicans**
- Fellowship of Christian Athletes**
- Ground Floor (Art Club)**
- Helping Hands (Social Work Club)**
- Homework Club**
- Hope House**
- International Club**
- Multicultural Club**
- Near Space Club**
- NEASP/SNEA**
- Student Nursing Association**
- Outdoor Rec Club**
- PALS**
- Photography Club**
- Physics Club**
- Psychology Club**
- SIFE**
- Skaters in Christ**
- Soccer Club**

Student Life

Ultimate Frisbee Club Young Life

SUPPORT SERVICES

Counseling Center.

Personal Counseling is provided for students seeking personal understanding, support, and growth related to student life, relationships, family concerns, personal issues, e.g., depression, abuse, addiction, etc.), premarital and marital counseling, or other areas 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. 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 of Multi Cultural Affairs provides support to U.S. students of color, international students and Missionary Kids (MKs) in the academic, spiritual and social aspects of their lives so they may have a positive and successful experience at NNU. The office seeks to promote awareness, cooperation, and understanding concerning ethnic, religious and cultural diversity on campus and in collaboration with people in the Treasure Valley. Students can be involved in Campus Multicultural Events, International Students Club, and Multicultural Club.

Academic Advising and Testing

Advising: 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 an academic advisor to review their social, personal, and career goals in relationship to their test scores and academic record. Students' progress is monitored each semester, and those encountering difficulty are counseled by the Academic Advising staff. Programs in basic study skills and tutorial assistance are available by both professionals and peers through the Academic Support Center for students desiring academic support.

Testing: The Testing Office currently administers the ACT, COMPASS and Senior CAAP, and proctors correspondence course examinations for current students. The results are made available to the individual students and/or the appropriate advisors.

Career Center

The Career Center provides information and assistance to students who wish to assess career goals and investigate career opportunities. In addition, the Center facilitates faculty as they assist their students in their employment searches. The Career Center will help students write effective resumes; practice interviewing techniques; establish networking contacts through the ASK (Alumni Sharing Knowledge) program; and find career-related part-time or summer employment. The Center compiles and sends placement files as a free service for graduating seniors. Career Week activities include several career related events including an etiquette dinner/dress for success style show and a major career fair.

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 life of each member of the community can flourish. One's faith cannot be bought, sold, or inherited. It is the product of one's own relationship with God. Spiritual growth is maximized when faith is expressed through relationships and ministries.

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

Student Life

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) works 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 co-curricular events, parties, Bible studies, ski trips, gym nights, wing dates, study groups, prayer times, community service, etc.

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 are less than 21 years of age and who do not reside with parents/guardians, or approved relatives, 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 handbook. In addition, off-campus students are expected to observe the same general rules of conduct as residential students.

Student Life

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.

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.

FOOD SERVICES

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

All students living on campus are **required** to have a meal plan. Juniors and Seniors living in NNU apartment-style living may apply for a reduced meal plan.

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.

STUDENT HEALTH SERVICES AND INSURANCE

The purpose of the Student Health Service is to promote good student health through a program of preventive and therapeutic medicine. A registered nurse is on call 24 hours a day and is on duty during regular hours each day in the Student Health Center located in the Student Center Building.

The University complies with a legal requirement of MMR (mumps/measles/rubella) vaccination. **This is required of all students enrolled for nine or more semester**

credits. Students should also have current immunization of tetanus and polio, and communicate any other special medical information that may be helpful for those serving their needs.

Services Available: The health fee entitles the student to receive consultation with a registered nurse. The following services are available to full-time students: (1) first aid, (2) general medical attention, (3) administration of medication by the University nurse under the standing order of the consulting physician, (4) assistance in securing any necessary medical appointments, (5) accident policy, (6) and assistance with understanding the insurance process and filing accident claims.

Some services are deemed the responsibility of the student and are not included as part of the Student Health Plan, such as dental care (except as the result of an accident), eye glasses, routine physical examinations, hospitalization insurance or expenses over and above the limits of the accident insurance coverage, medication prescribed by a physician, clinical expenses for X-ray and laboratory tests not connected with an accident or hospitalization, and specialists' fees not covered by the insurance company whether or not referral is made by a University physician.

Insurance: A Health Insurance Policy is available at an additional charge. The period of protection begins the first day of each semester and ends upon completion of the last day of each semester except that continuing students have coverage between semesters and continuing students enrolled in the spring semester have coverage throughout the summer.

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)

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

Intramural Program: The athletic department provides the opportunity for all full-time NNU students to participate in a variety of athletic activities. The program is designed to meet the needs of all levels of competition for both men and women. Some of the activities provided are:

Flag Football

Powder Puff Football

Student Life

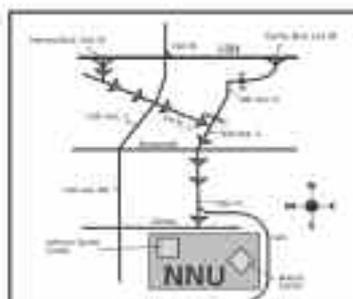
Basketball	Softball
Soccer	Tennis
Racquetball	Pickle Ball
Badminton	Pool
Volleyball - Indoor and Outdoor	Table Tennis



Northwest Nazarene University

Great minds • Great hearts • Great futures

OUR CAMPUS



LEGEND

Admissions Welcome Center	36	Finckhiser Recreation Area	23	Wiley Library	11
Brandt Center	30	Food Hall	25	Science Building	50
BRU C-C House	48	Graduate Studies in Counseling	34	Science Lecture Hall	54
Campus Safety Office	22	Graduate Studies in Education	35	Security / Police Substation	1
Ceramics and Sculpture Studio	56	Halle Softball Field	3	Soccer Field	24
Challenge Roped Course	7	Hees on Business Center	52	Social Work Office	52
College Church of the Nazarene	18	Holly 1000 Apartments	46	Student Center	38
Collet Hall	26	Johnson Sports Center	1	Sutherland Hall	63
Colley Hall	46	Kaywick Married Student Housing	10	Tennis Courts	12
Dorley Hall	47	Larvick Prayer Garden	49	Track and Field	13
Evins Hall	27	Lee Athletic Complex	14	Wall Baseball Field	4
Evans Administration Building	28	Little Prayer Chapel	48	Wiley Alumni House	10
Environmental Services	21	Olson Apartments	11	Wiley Learning Center	39
Fire Arts Building	11	Powell Management Office	22	W. Sims Hall	28

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SCHOOL OF ARTS, HUMANITIES, AND SOCIAL SCIENCES

Dean of the School of Arts, Humanities, and Social Sciences: Ron 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 that “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 seven departments and two programs: Applied Studies, Art, Communication Studies, English, History and Political Science, Liberal Studies, Modern Languages, Music, and Psychology. Majors available in the school, by department or program, are:

Applied and Liberal Studies

Applied Studies

Liberal Studies

Art Department

Art

3D Emphasis

2D Emphasis

Graphics Emphasis

Art-Education

Communication Studies Department

Mass Communication

Public Communication

English Department

English

English-Education

History and Political Science Department

History

History-Education

School of Arts, Humanities, and Social Sciences

International Studies
Political Science
Social Science-Education

Modern Languages Department

Spanish
Spanish-Education First Teaching Field

Music Department

Music
Applied Emphasis
General Music Emphasis
Worship and Music Ministry Emphasis
Music-Education

Psychology Department

Psychology
Emphasis A (Scientist/Practitioner)
Emphasis B (Interdisciplinary)
Emphasis C (Industrial and Organizational)

APPLIED AND LIBERAL STUDIES PROGRAM

MAJORS

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, in social sciences, and in mathematics and natural sciences. The program is administered by the Director of Academic Advising in conjunction with major advisors.

Requirements: 60 credits including 12 in humanities, 12 in social sciences, 12 in mathematics and natural sciences and 24 selected from one or two of the following areas: applied art, business, education, computer science, engineering, English (courses in writing or composition which may include EN 102 and EN 202), kinesiology, music (education, theory and applied), nursing, Christian ministry, social work, communication studies. In a single focus applied studies major, 12 credits of the 24

School of Arts, Humanities, and Social Sciences

credits must be numbered above 299. In a dual focus applied studies major, 12 of the 24 credits must be numbered above 299, 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.

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 a student to think for himself or herself, to be able to participate in life as an autonomous individual. 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 299)
Social Science: 18 credits
Mathematics and Natural Science: 18 credits

Mathematics and Science Emphasis

Mathematics and Science: 24 credits (including 12 credits numbered above 299)
Humanities: 18 credits
Social Science: 18 credits

Social Science Emphasis

Social Science: 24 credits (including 12 credits numbered above 299)
Humanities: 18 credits
Mathematics and Natural Science: 18 credits

DEPARTMENT OF ART

Faculty: Jonathan Bouw, Bill Campton, Amanda Hamilton

Learning Objectives:

School of Arts, Humanities, and Social Sciences

Technical Skills

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

Conceptual Skills

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

BACHELOR OF ARTS:

MAJORS

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, art education and selected studio areas.

Administrator: Chair, Department of Art

Requirements: 48-60 credits: Completion of the prescribed core courses (30 credits) plus the requirements for one area of emphasis (18-30 credits). Each student must receive a grade of B (3.0) or better in upper division courses in his/her area of emphasis.

Core Courses: 30 credits

- AR 102 2D Design (3)
- AR 104 Drawing 1 (3)
- AR 201 3D Design (3)
- AR 207 Figure Studies (3)
- AR 241 Painting 1 (3)
- AR 276 Photography 1 (3)
- AR 325 Art History 1 (3)
- AR 375 Art History 2 (3)
- AR 487 Presentation & Portfolio (3)
- AR 496 Internship (3)

2-D Emphasis 24 credits

- AR 243 Digital Design/Digital Imaging (3)
- AR 306 Printmaking (3)
- AR 307 Drawing 2 (3)
- AR 341 Painting 2 (3)
- AR 350 Studio Practice and Critique (3)
- AR 403 Sculptural Installation (3)
- AR 425 Contemporary Art and Experience (3)
- AR 450 Studio Practice and Critique (3)

3-D Emphasis 18 credits

- AR 205 Ceramics 1 (3)
- AR 301 Sculpture 2 (3)
- AR 305 Ceramics 2 (3)
- AR 403 Sculptural Installation (3)
- AR 425 Contemporary Art and Experience (3)
- AR 450 Studio Practice and Critique (3)

Graphic Design Emphasis 30 credits

- AR 135 Graphic Design 1 (3)
- AR 228 Illustration 1 (3)
- AR 236 Graphic Design 2: Typography (3)
- AR 336 Graphic Design 3: Product Identity (3)
- AR 436 Graphic Design 4: Portfolio Development (3)
- AR 243 Digital Design 1: Digital Imaging (3)
- AR 334 History of Design (3)
- AR 343 Digital Design 2: Desktop Publishing (3)
- AR 344 Digital Design 3: WWW (3)
- AR 444 Digital Design 4: Multimedia (3)

ART-EDUCATION

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

MINOR

ART

Requirements: 24 credits in art, of which 15 shall be numbered above 299

AR 102 2D Design (3)

AR 104 Drawing 1 (3)

AR 241 Painting 1 (3)

AR 325 Art History 1 (3)

AR 375 Art History 2 (3)

Three elective courses 300 level or higher (9)

DEPARTMENT OF COMMUNICATION STUDIES

Faculty: Arnie YTreeide (Acting Department Chair), Brooke Adamson, Donna Allen

The mission of the Department of Communication Studies is to equip students with a better understanding of and skills in mass communications, human communication, 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, 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”.

MAJORS

BACHELOR OF ARTS:

MASS COMMUNICATIONS

Purpose: To provide an understanding of the systems, theories, and practices of mass communication and their impact on contemporary society, and to prepare students to

obtain employment in secular or Christian film, video, and television production. Students can use their education and training for entry-level employment, for independent production, or for pursuing graduate study in communication and other fields.

Administrator: Chair, Department of Communication Studies

Requirements: 49 semester credits

- CO 101 Intro to Communication (2)
- CO 202 Media Systems and Literacy (3)
- CO 203 Interpersonal Communication (3)
- CO 205 History of Film & Television (2)
- CO 225 Introduction to Scriptwriting (3)
- CO 226 Introduction to Video Production (3)
- CO 228 Audio for Film & Television (2)
- CO 301 Producing for Film & Television (2)
- CO 302 Organizational Communication (2)
- CO 303 Film Theory and Criticism (3)
- CO 305 Nonverbal Communication (2), or;
CO 306 Relational Communication (2)
- CO 325 Advanced Screenwriting (3)
- CO 326 Advanced Television Production (3)
- CO 328 Media Law and Ethics (3)
- CO 329 Advanced Post Production (2)
- CO 425 Cinematography (3)
- CO 426 Film & Television Directing (3)
- CO 461 Communication Research (3)
- CO 497 Senior Project (1) (2 required)

PUBLIC COMMUNICATION

Purpose: To provide an understanding of the role that communication plays in contemporary society with a focus on relationship issues, public speaking, and 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: 42-43 semester credits

- CO 101 Intro to Communication (2)
- CO 131 Performance of Literature (3)
- CO 142 Introduction to Public Relations (3)

School of Arts, Humanities, and Social Sciences

- CO 201 Small Group Communication (3)
- CO 202 Media Systems and Literacy (3)
- CO 203 Interpersonal Communication (3)
- CO 260 Introduction to Directing (3)
- CO 302 Organizational Communication (2)
- CO 305 Nonverbal Communication (2)
- CO 306 Relational Communication (2)
- CO 321 Advanced Public Speaking (3)
- CO 342 Persuasion & Debate (2); or,
CO 444 Rhetorical Theory and Criticism (3)
- CO 461 Communication Research (3)
- CO 495 Internship in Communication Studies (1-2) (2 required)
- CO 498 Seminar in Communication Studies (1)

Three (3) credits from:

- CO 212/312 Drama Activities (1)
- CO 252/352 Competitive Forensics (1)

MINORS

DRAMA

Requirements: 19 credits

- CO 131 Performance of Literature (3)
- CO 212 Drama Activities (1), or;
MU 342/442 Opera/Musical Theatre Production (1)
- CO 225 Introduction to Scriptwriting (3)
- CO 260 Introduction to Directing (3)
- CO 303 Film Theory and Criticism (3)
- EN 332 Shakespeare (3)
- EN 341 Greek and Roman Classics (3); or,
EN 352 Twentieth Century Drama (3)

MEDIA PRODUCTION

Requirements: 17 credits

- CO 225 Introduction to Scriptwriting (3)
- CO 226 Introduction to Video Production (3)
- CO 228 Audio for Film & Television (2)
- CO 303 Film Theory and Criticism (3)
- CO 326 Advanced Television Production (3)
- CO 328 Media Law and Ethics (3)

DEPARTMENT OF ENGLISH

Learning Objectives:

1. Graduates of the 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)

Faculty: Darrin Grinder (Department Chair), Kevin Dennis, Reginald Hill, Julie Straight

MAJORS

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

Major Requirements: 38 credits in English of which 25 shall be numbered above 299

- EN 231 British Literature: Beowulf through the Age of Reason (3)
- EN 298 Introduction to the Study of Literature (1)
- EN 312 Linguistics: Structure and History of English (3)
- EN 332 Shakespeare (3)
- EN 341 Greek and Roman Classics (3)
- EN 351 Twentieth Century Poetry (3); or,
EN 352 Twentieth Century Drama (3)
- EN 391 Literary Criticism (3)
- EN 498 Senior Seminar (1)

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Two courses selected from:

- EN 221 American Literature: Colonial Period to the Civil War (3)
- EN 321 Major Authors in American Literature (3)
- EN 325 The American Novel (3)

One course selected from:

- EN 331 Major Authors in British Literature (3)
- EN 335 The British Novel (3)
- EN 434 Major Romantics and Victorians (3)

One course selected from:

- EN 242, 243 World Literature (3, 3)
- EN 342 Foreign Literature in Translation (3)

Six elective 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 foreign language study

ENGLISH-EDUCATION

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

MINORS

PROFESSIONAL WRITING

The minor, Professional Writing, 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 16 shall be above 299

- EN 261 Introduction to Journalism (3)
- EN 302 Principles of Writing (3)
- EN 304 Creative Writing—Prose (3)
- EN 305 Creative Writing—Poetry (3)
- EN 396 Internship in Professional Writing (3)
- CO 225 Introduction to Script Writing (3)
- CO 325 Advanced Screenwriting (3)

LITERATURE

School of Arts, Humanities, and Social Sciences

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 299

EN 298 Introduction to the Study of Literature (1)

EN 332 Shakespeare (3)

Six credits of emphasis:

EN 221 and 222 American Literature (3 each); or,

EN 231 and 232 British Literature (3 each); or,

EN 242 and 243 World Literature (3 each)

One course from each of the following groups:

American Literature

EN 321 Major Authors in British Literature (3)

EN 325 The American Novel (3)

British Literature

EN 331 Major Authors in American Literature (3)

EN 335 The British Novel (3)

EN 434 Major Romantics and Victorians (3)

World Literature

EN 341 Greek and Roman Classics (3)

EN 342 Foreign Literature in Translation (3)

DEPARTMENT OF HISTORY AND POLITICAL SCIENCE

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

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challenge and fulfillment in their lives (Creative Engagement and Social Responsiveness).

Faculty: Alan Wheatley (Department Chair), Terry Cantrell, Mark Gismondi, Stephen Shaw

MAJORS

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 299)

HS 103 The World and the West I (3)

HS 104 The World and the West II (3)

HS 203 Conflict and Consensus: American History to 1877 (3)

HS 204 Conflict and Consensus: American History from 1877 (3)

HS 497 Senior Research and Thesis (3)

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

Twenty-one elective history credits numbered above 299 (21)

HISTORY-EDUCATION

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

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 in history of which 15 shall be numbered above 299
HS 103 The World and the West I (3); or,
HS 104 The World and the West II (3)
HS 203 Conflict and Consensus: American History to 1877 (3); or,
HS 204 Conflict and Consensus: American History from 1877 (3)
Fifteen elective history credits numbered above 299 (15)

POLITICAL SCIENCE

MAJORS

BACHELOR OF ARTS:

POLITICAL SCIENCE

Political science is the systematic study of government, public policy and the political behavior of individuals and groups. This study develops and sharpens the mind and encourages students to seek solutions to contemporary public problems in relation to personal and Christian values.

Administrator: Chair, Department of History and Political Science

Requirements: 47 credits (39 in Political Science) of which 30 shall be numbered above 299

- PS 101 American National Politics (3)
- PS 103 The Foundations of Politics: The Quest for Peace and Justice (3)
- PS 105 Introduction to International Relations (3)
- PS 341 American Political Thought and Ideology (3)
- PS 352 Theories of Politics (3)
- PS 361 Comparative Politics (3)
- PS 496 Internship in Political Science (3 credits required)
- PS 497 Senior Thesis (3)
- One year of foreign language (same language) (8)
- Fifteen additional political science credits numbered above 299 (15)

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

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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: Mark Gismondi

Requirements: 62 credits from the departments of Business and Economics, History and Political Science, Modern Languages, Psychology, Religion, and a study abroad experience

- EC 242 Macroeconomic Analysis (3)
 - GE 105 Introduction to Geography (3)
 - HS 103 The World and the West I (3); or,
HS 104 The World and the West II (3)
 - HS 348 Modern Europe (1800 – Present) (3)
 - PS 103 The Foundations of Politics: The Quest for Peace and Justice (3)
 - PS 105 Introduction to International Relations (3)
 - PS 333 U.S. Foreign Policy (3)
 - PS 361 Comparative Politics (3)
 - PS 456 International Peace and Global Governance (3)
 - PS 497 Senior Thesis (3)
 - PS 498 Seminar in International Studies (3)
 - SO 225 Issues of Developing Nations I (3); or,
SO 325 Issues of Developing Nations II (3)
 - RS 356 World Religions: Asian Traditions (2)
 - RS 357 World Religions: Western Traditions (2)
- Twenty-two credits in a modern foreign language including 6 credits numbered above 299 (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. For details, see the International Studies director in the Department of History and Political Science.

PRE-PROFESSIONAL PROGRAM

PRE-LAW

Administrator: Stephen Shaw

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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 literature, philosophy, history and political science, economics, psychology and sociology, and mathematics and science 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. Steve 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, and have pursued careers in law in diverse and impressive settings.

SOCIAL SCIENCE-EDUCATION

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

MINORS

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 in political science of which 12 shall be numbered above 299

PS 101 American National Politics (3)

PS 103 The Foundations of Politics: The Quest for Peace and Justice (3)

PS 105 Introduction to International Relations (3)

Twelve elective political science credits numbered above 299 (12)

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.

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Administrators: Chair, Department of History and Political Science; Chair, Department of Psychology

Requirements: 22-23 credits of which 12 shall be numbered above 299

PS 103 The Foundations of Politics: The Quest for Peace and Justice (3)

PS 442 Civil Rights and Civil Liberties (3)

PY 125 Psychology for Life (2); or,

PY 155 Introduction to Psychology (3)

PY 345 Abnormal Psychology (3)

SO 243 Social Problems in Modern Society (2)

SO 252 Criminology (3); or,

SO 253 Juvenile Delinquency (3)

SO 318 Race, Class and Ethnicity (3)

One upper division course in PY, SO, or PS (3)

DEPARTMENT OF MODERN LANGUAGES

Learning Objectives:

1. Graduates of the department will gain practical language proficiency in a second language, including proficiency in reading, writing, speaking, and listening to the language. (Academic Excellence)
2. Graduates of the department will develop intercultural sensitivity. Graduates will study the language, literature, history and culture of non-English-speaking peoples, and learn to constructively engage those of other cultures in meaningful dialogue, mutually beneficial social relationships, and professional interactions in a wide range of academic disciplines and fields of study. (Academic Excellence, Social Responsiveness, Christlike Character, Creative Engagement)
3. Graduates of the department and general education students will acquire cultural competency and learn to understand the concept of culture from a variety of perspectives. Graduates of the program will learn to experience culture in a personal and subjective manner, at the same time that they learn to objectively analyze Latin American, Spanish, and other world cultures. (Academic Excellence, Social Responsiveness, Creative Engagement)
4. Graduates of the department 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 programs in modern language. (Social Responsiveness, Creative Engagement)

Faculty: Benjamin Earwicker

MAJORS

BACHELOR OF ARTS:

SPANISH

The major in Spanish provides students the opportunity learn increasingly complex Spanish grammar and language through speaking, reading, writing, and listening to Spanish, 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 Modern Languages

Requirements: 50-52 credits (43 in Spanish of which 35 credits shall be numbered above 299)

SP 201, 202 Intermediate Spanish (8)

SP 301 Advanced Conversation and Composition (3); or,

SP 322 Spanish for Business (3)

SP 497 Senior Thesis (3)

29 credits with minimum of one course each from areas of Spanish or, Hispanoamerican linguistics, civilization, and literature:

One course selected from Spanish or Hispanoamerican civilization:

SP 331 Hispanic Civilization (3) repeatable; or,

SP 394 Topics in Hispanic Culture, Literature, or Linguistics (cultural topic, 3)

One course selected from Spanish or Hispanoamerican Literature:

SP 351 Survey of Hispanic Literature (3) repeatable; or,

SP 394 Topics in Hispanic Culture, Literature, or Linguistics (literature topic, 3)

One course selected from Spanish or Hispanoamerican Linguistics:

SP 342 Introduction to Spanish Linguistics (3); or,

SP 394 Topics in Hispanic Culture, Literature, or Linguistics (linguistics topic, 3)

Twenty elective credits in Spanish

Two courses in History, Political Science or Sociology (4-6)

One course in American or world literature or philosophy (3)

Additionally, Spanish 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 the Senior Thesis, representing the areas of Hispanic linguistics, civilization, and literature)

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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 Lingüísticos y Multiculturales) in Cuernavaca, Mexico, or the Latin American Studies Program in San Jose, Costa Rica. Approved Off-Campus (OC 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 Modern Languages.

SPANISH-EDUCATION

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

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, gain appreciation of the cultural contributions of Spanish-speaking peoples, and reflect critically on their own cultural values.

Administrator: Chair, Department of Modern Languages

Requirements: 20 credits, of which 12 must be upper division

SP 201, 202 Intermediate Spanish (or equivalent) (8)

Twelve semester credits in Spanish numbered above 299 representing two of the following areas (12):

Culture (including history and civilization)

Linguistics

Literature

Cultural Immersion Experience

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 Lingüísticos y Multiculturales) in Cuernavaca, Mexico, or the Latin American Studies Program in San Jose, Costa Rica. Approved Off-Campus (OC 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 chairperson of Modern Languages.

DEPARTMENT OF MUSIC

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

MAJORS

BACHELOR OF ARTS:

MUSIC

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).

Administrator: Chair, Department of Music

Requirements: 49-59 credits. The major includes completion of the prescribed core courses and the requirement for one area of emphasis.

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Core Courses in Applied, General, and Worship and Music Ministry:

- MU 120 Beginning Music Theory I (3)
- MU 121 Beginning Music Theory Laboratory I (1)
- MU 122 Beginning Music Theory II (3)
- MU 123 Beginning Music Theory Laboratory II (1)
- MU 220 Intermediate Music Theory I (3)
- MU 221 Intermediate Music Theory Laboratory I (1)
- MU 222 Intermediate Music Theory II (3)
- MU 223 Intermediate Music Theory Laboratory II (1)
- MU 231 Synthesizers and Sequencing (1)
- MU 326 Music History: Medieval, Renaissance and Baroque (3)
- MU 327 Music History: Classic, Romantic and Modern (3)
- MU 360 Choral Conducting (3)
- MU 410 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. Proficiency with Finale music notation software is required in all emphases. Students may develop proficiency through available computer assisted tutorials.

Additionally music majors are required to:

1. participate in a minimum of one ensemble each semester;
2. participate four semesters in the major ensemble appropriate for their primary performance medium;
3. study privately each semester in their primary performance medium (voice or instrument) (additional fee required);
4. pass a juried examination in their performance medium each semester. A minimum of six examinations must be on file to qualify for graduation in music. Exceptions will only be by permission from the chair of the Music Department.
5. attend ten recitals or concerts during each semester.

Familiarization and compliance with music program policies as outlined in the Music Program Handbook is the student's responsibility. Copies are available in the department office.

Applied Emphasis

Designed for students interested in music performance and private studio teaching, and those who plan to pursue graduate work in performance, pedagogy, or theory.

Requirements: 49-50 credits

- Track I Piano
- Track II Vocal

Track III Instrumental

Track IV Theory

Track I Requirements (Piano):

Major performance medium: 13 credits

MU 322 Counterpoint (3); or,

MU 323 Composition (3)

MU 343 Performance Practice (1)

MU 439 Piano Methods (3)

Three elective upper division music credits

Recital during junior and senior years

Track II Requirements (Voice):

Major performance medium: 12 credits

MU 322 Counterpoint (3); or,

MU 323 Composition (3)

MU 344 Diction (3)

MU 441 Voice Methods (3)

Recital during junior and senior years

Track III Requirements (Instrumental):

Major performance medium: 12 credits

MU 322 Counterpoint (3); or,

MU 323 Composition (3)

MU 399 Directed Study-Methods (3)

Three elective upper division music credits

Recital during junior and senior years

Track IV Requirements (Theory):

Major performance medium: 8 credits

MU 321 Orchestration (3)

MU 322 Counterpoint (3)

MU 323 Composition (3)

MU 361 Instrumental Conducting (3)

Recital and/or project during junior and senior years

General Music Emphasis

Designed to give the student a general background in music and a working knowledge of its elements.

Requirements: 45 credits

MU 224 Improvisation (3)

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- MU 322 Counterpoint (3); or,
MU 323 Composition (3)
- MU 375 Symphonic Lit (1)
- AR 101 A Survey of Art and Music (3)
- Additional upper division music hours (6)

Worship and Music Ministry Emphasis

Designed for students interested in pursuing a career in music ministry, through church music leadership or commercial music avenues.

Requirements: 56-61 credits, excluding General Education foundation courses.

Track I: Church Music Leadership

Track II: Commercial Music

Track I Requirements (Church Music Leadership):

- MU 211 Introduction to the Ministry of Music (2)
- MU 232 Audio Technology (1)
- MU 320 Worship Theory and Development II (2)
- MU 321 Orchestration (3)
- MU 338 Church Music Administration (3)
- MU 352 Church Music for Children and Youth (2)
- MU 361 Instrumental Conducting (3)
- MU 451 Music in Worship (3)
- MU 495A Internship in Church Music (3)
- Half Recital in the senior year

Religion Courses:

- PT 171 Introduction to Christian Ministries (1)
- PT 322 Worship Leadership and Development I (2)
- PT 296 Field Experience in Christian Ministry (1)
- PT 396 Field Experience in Christian Ministry (1)
- Foundation Courses from the General Education requirements (Track I):
 - PL 201 Introduction to Philosophy (3)
 - BL 312 New Testament Interpretation (2)

Track II Requirements (Commercial Music):

- MU 232 Audio Technology (1)
- MU 315 Laboratory for Music Technology (1)
- MU 321 Orchestration (3)
- MU 323 Composition (3)
- MU 359 Field Experience in Music Management (1)
- MU 455 Seminar in Music Business Management (3)
- MU 495B Internship in Audio Engineering (1 or 3) (multiple experiences may be repeated to meet the required 3 credits)

Half recital during the senior year.

Business Courses:

- AC 106 Financial Accounting (3)
- BU 217 Computer Applications in Business (3)
- BU 351 Principles of Marketing (3)
- BU 353 Marketing Communications (3) (prerequisite BU 351)

Communication Studies Courses:

- CO 328 Media Law and Ethics (3)

MUSIC EDUCATION

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

MINORS

MUSIC

Requirements: 21 credits

- MU 120 Beginning Music Theory I (3)
- MU 121 Beginning Music Theory Laboratory I (1)
- MU 122 Beginning Music Theory II (3)
- MU 123 Beginning Music Theory Laboratory II (1)
- MU 232 Synthesizers and Sequencing (1)

Select one of the following:

- MU 360 Choral Conducting (3)
- MU 361 Instrumental Conducting (3)

Select one of the following:

- MU 326 Music History: Medieval, Renaissance and Baroque (3)
- MU 327 Music History: Classical, Romantic and Modern (3)

Three elective upper division music credits; 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)

WORSHIP AND MUSIC MINISTRY

Requirements: 24 credits

- MU 120 Beginning Music Theory I (3)
- MU 121 Beginning Music Theory Laboratory I (1)
- MU 122 Beginning Music Theory II (3)
- MU 123 Beginning Music Theory Laboratory II (1)
- MU 211 Introduction to the Ministry of Music (2)
- MU 231 Synthesizers and Sequencing (1)

MU 451 Music in Worship (3)

PT 171 Introduction to Christian Ministries (1)

PT 322 Worship Theory and Development I and MU 320 Worship
Leadership and Development II (2 each)

PT 296 Field Experience in Christian Ministry (1)

PT 396 Field Experience in Christian Ministry (1)

Select one of the following:

MU 360 Choral Conducting (3)

MU 361 Instrumental Conducting (3)

DEPARTMENT OF PSYCHOLOGY

Faculty: Glenna Andrews (Department Chair), Ronald Ponsford

MAJOR

BACHELOR OF ARTS:

PSYCHOLOGY

The Department of Psychology offers a broad understanding of human behavior, the development, relationships, and interactions of individuals in systems. 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 major in psychology which provides students with a solid background in the questions, methods, and theories of the discipline, and prepares them for occupations and further study in psychology and related fields. The Department models and trains its students to be Christian professionals serving the community.

Learning Objectives:

1. Graduates of the department 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 the department 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 the department 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 the department and general education students will be able to identify the major theories and contributors in the discipline.

5. Graduates of the department 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)

Administrator: Chair, Department of Psychology

Requirements: 52-56 credits (24 core credits in psychology of which 18 shall be numbered above 299; plus the requirements for one of the areas of emphasis)

Core courses:

PY 155 Introduction to Psychology (3)

PY 210 Lifespan Development (3)

PY 355 Psychology of Religion (2)

PY 364 Experimental Design and Statistical Analysis I (3)

PY 364L Experimental Design and Statistical Analysis I Laboratory (1)

PY 365 Experimental Design and Statistical Analysis II (3)

PY 365L Experimental Design and Statistical Analysis II Laboratory (1)

PY 396 Field Experience (1)

PY 411 Psychology of Learning (3)

PY 411L Psychology of Learning Laboratory (1)

PY 455 Social Psychology (3)

Psychology field test to be completed during the senior year

Emphasis A (Scientist/Practitioner)

Objective: 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. The following are prescribed in addition to the core requirements:

PY 385 Biological Foundations of Behavior (3)

PY 385L Biological Foundations of Behavior Laboratory (1)

PY 475 History and Systems of Psychology (2)

PY 497 Research (1-4)

BI 201 Human Anatomy and Physiology I (3), and

BI 201L Human Anatomy and Physiology I Laboratory (1); or,

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- BI 221 General Biology I: Foundations of Biological Diversity (3), and
BI 221L General Biology I: Foundations of Biological Diversity
Laboratory (1)
- PL 201 Introduction to Philosophy (3)
- PL 351 Philosophy of Science (2)
- Three elective psychology credits (PY 211 will not meet this requirement) (3)
- One year of a modern foreign language (same language) (8)

Emphasis B (Interdisciplinary)

Objective: 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. The following are prescribed in addition to the core requirements:

- PY 125 Psychology for Life (2)
- PY 274 Helping Skills (2)
- PY 345 Abnormal Psychology (3)
- PY 375 Counseling Theory (2)

Two of the following:

- PY 336 Child Psychology (2)
- PY 366 Adolescent Psychology (2)
- PY 376 Adult Psychology (2)
- PY 472 Group Theory and Processes (3), and
PY 472L Group Theory and Processes Laboratory (1)

Three elective psychology credits (PY 211 will not meet this requirement) (3)

Twelve credits in sociology, social work, practical theology, and Christian education selected in consultation with a psychology faculty advisor from the following courses (12):

- Any SO courses except SO 365 (2-3)
- PT 171 Introduction to Christian Ministry (1)
- PT 321 Spiritual Formation and Christian Discipleship (2)
- PT 322 Worship Theory and Development (2)
- PT 375 Compassionate Ministries (3)
- CE 381 Children's Ministries (2)
- CE 382 Youth Ministries (2)
- CE 383 Adult Ministries (2)
- SW 172 Social Welfare in Contemporary Society (3)
- SW 211 Introduction to Social Work (3)
- SW 325 Substance Abuse, Prevention, and Intervention (3)
- SW 335 Child Welfare Services (3)
- SW 345 Gerontology and Geriatric Social Work (3)
- SW 494 Topics in Social Work (1)

Emphasis C (Industrial and Organizational)

This emphasis is designed for the person interested in working with the theory and methods of psychology within the business and/or industrial field. This course of study is appropriate for students interested in management, human resources and other integrated fields. The student will complete the following in addition to the core courses:

- PY 125 Psychology for Life (2)
- PY 376 Adult Psychology (2)
- PY 461 Psychological Testing (3)
- PY 472 Group Theory and Processes (3)
- PY 472L Group Theory and Processes (1)
- PY 497 Research (1)

Eight credits in Communication (8)

Suggested courses:

- CO 201 Small Group Communication (3)
- CO 203 Interpersonal Communication (3)
- CO 302 Organizational Communication (2)

Twelve credits in Business selected from:

- BU 341 Business Law I (3)
- BU 342 Business Law II (3)
- BU 351 Principles of Marketing (3)
- BU 364 Principles of Management (3)
- BU 365 Human Resources Management (3)
- BU 381 Business Ethics (3)
- BU 467 Organizational Behavior (3)

MINORS

PSYCHOLOGY

Requirements: 21 credits in psychology, of which 11 shall be numbered above 299

- PY 125 Psychology for Life (2)
- PY 155 Introduction to Psychology (3)
- PY 210 Lifespan Development (3)
- PY 364 Experimental Design and Statistical Analysis I (3)
- PY 364L Experimental Design and Statistical Analysis I Laboratory (1)
- PY 411 Psychology of Learning (3)
- PY 411L Psychology of Learning Laboratory (1)
- PY 455 Social Psychology (3)

Two elective credits in psychology (2) (PY 211 does not count toward these credits)

School of Arts, Humanities, and Social Sciences

CRIMINAL JUSTICE

Objective: 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.

Administrators: Chair, Department of History and Political Science; Chair, Department of Psychology

Requirements: 22-23 credits, of which 12 shall be numbered above 299

PS 103 The Foundations of Politics: The Quest for Peace and Justice (3)

PS 442 Civil Rights and Civil Liberties (3)

PY 125 Psychology for Life (2); or,

PY 155 Introduction to Psychology (3)

PY 345 Abnormal Psychology (3)

SO 243 Social Problems in Modern Society (2); or,

SO 252 Criminology (3); or,

SO 253 Juvenile Delinquency (3)

SO 318 Race, Class and Ethnicity (3)

One upper-division course in PY, SO; or, PS (3)

SECOND TEACHING FIELD: PSYCHOLOGY

See Secondary Education: Psychology: Second Teaching Field

SCHOOL OF BUSINESS

Dean of the School of Business: Ron Galloway

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 academics 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 decision-making.
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 an Accounting major or a Business Administration major. Students pursuing a Bachelors 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: economics, global business, management, marketing, and business administration.

DEPARTMENT OF BUSINESS AND ECONOMICS

Faculty: Ron Galloway (Dean), David Houghton (Department Chair), Jeff Lineman (STEP Director), Peter Crabb, Samuel Dunn, Eric Forseth, Melvin Jolly, Joel Pearsall, Bill Russell, Gary Skaggs, Stephen Van der Ploeg, Dick Van Schyndel, Mollie Sweet, Konya Weber

School of Business

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. This application normally occurs during the second semester of the first year.

- AC 106 Financial Accounting (3)
- AC 107 Managerial Accounting (3)
- BU 222 Business Communications (3)
- EC 241 Microeconomic Analysis (3)
- EC 242 Macroeconomic Analysis (3)
- BU 233 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 progressing in two additional business classes at the time the interview is scheduled
2. Completed at least two classes as stipulated above and be progressing in two additional business classes at the time the interview is scheduled
3. Have a minimum cumulative grade point average of 2.5 or better
4. Declare a major in Business or Accounting
5. Make application for advanced standing
6. Interview with a faculty panel
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. A student must reapply for Advanced Standing upon re-admittance to NNU.

MAJORS

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: Department Chair, Undergraduate Business Program

Requirements: 78 credits: in accounting, finance, business administration, economics, and mathematics

- AC 106 Financial Accounting (3)
 - AC 107 Managerial Accounting (3)
 - AC 301 Income Taxation (3)
 - AC 304 Cost Accounting (3)
 - AC 351 Intermediate Accounting I (3)
 - AC 352 Intermediate Accounting II (3)
 - AC 396 Internship in Accounting/Finance (3)
 - AC 402 Auditing (3)
 - AC 451 Advanced Financial Accounting (3)
 - BU 217 Computer Applications in Business (3)
 - BU 222 Business Communications (3)
 - BU 233 Mathematics for Business and Finance (3); or,
MA 224 Elementary Statistics (3)
 - BU 303 Management Information Systems (MIS) (3)
 - BU 341 Business Law I (3)
 - BU 342 Business Law II (3)
 - BU 351 Principles of Marketing (3)
 - BU 364 Principles of Management (3)
 - BU 371 Financial Management (3)
 - BU 381 Business Ethics (3)
 - BU 396 Internship in Business (3)
 - BU 469 Global Operations Management (3)
 - BU 498 Senior Seminar in Business (3)
 - EC 241 Microeconomic Analysis (3)
 - EC 242 Macroeconomic Analysis (3)
- Two upper division electives offered by the Department of Business and Economics (excluding BU 396, and BU 496) (6)

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: Department Chair, Undergraduate Business Program

Requirements: 54 credits; completion of the prescribed core courses. If an emphasis in Management Information Systems is desired, additional prescribed courses (26 credits) are available.

Core courses:

- AC 106 Financial Accounting (3)
 - AC 107 Managerial Accounting (3)
 - BU 217 Computer Applications in Business (3)
 - BU 222 Business Communications (3)
 - BU 233 Mathematics for Business and Finance (3); or,
MA 224 Elementary Statistics (3)
 - BU 303 Management Information Systems (3)
 - BU 341 Business Law I (3)
 - BU 351 Principles of Marketing (3)
 - BU 364 Principles of Management (3)
 - BU 371 Financial Management (3)
 - BU 381 Business Ethics (3)
 - BU 396 Internship in Business (3)
 - BU 469 Global Operations Management (3)
 - BU 498 Senior Seminar in Business (3)
 - EC 241 Microeconomic Analysis (3)
 - EC 242 Macroeconomic Analysis (3)
- Two upper division electives offered by the Business Department (excluding BU 396, and BU 496)

Students pursuing a Bachelors of Science in Business may also pursue a Management of Information Systems Emphasis.

Management Information Systems Emphasis (26 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:

- BU 303 Management Information Systems (3)
- CS 222 Computer Programming in C++ (3)

- CS 222L Computer Programming in C++ Laboratory (1)
- CS 275 Data Structures (3)
- CS 333 Database Design and Programming (3)
- CS 333L Database Design and Programming Laboratory (1)
- CS 337 Systems Analysis and Design (3)
- CS 363 Networks I (3)
- CS 364 Networks II (3)
- MA 231 Discrete Mathematics (3)

BACHELOR OF ARTS:

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: Department Chair, Undergraduate Business Program

Requirements: 62-70 credits; completion of the prescribed core courses. If a minor in Economics, Global Business, Management or Marketing is desired, 5 additional prescribed courses (15 credits) are available. This will result in a B.A. in Business Administration with a minor in the designated area. It may take more than four years for some students to complete the core and minor because of the language requirement.

Core courses:

- AC 106 Financial Accounting (3)
- AC 107 Managerial Accounting (3)
- BU 217 Computer Applications in Business (3)
- BU 222 Business Communications (3)
- BU 233 Mathematics for Business and Finance (3); or,
MA 224 Elementary Statistics (3)
- BU 303 Management Information Systems (3)
- BU 341 Business Law I (3)
- BU 351 Principles of Marketing (3)
- BU 364 Principles of Management (3)
- BU 371 Financial Management (3)
- BU 381 Business Ethics (3)
- BU 396 Internship in Business (3)
- BU 469 Global Operations Management (3)
- BU 498 Senior Seminar in Business (3)
- EC 241 Microeconomic Analysis (3)

School of Business

EC 242 Macroeconomic Analysis (3)
Intermediate Foreign Language (8 Credits)*

*Prerequisite of beginning language may be required.

Two upper division electives offered by the Business Dept. (excluding BU 396, and BU 496)

MINORS

ECONOMICS

Requirements: (24 prescribed credits). For the student who wishes to enter the field of financial management or financial counseling.

EC 241 Microeconomic Analysis (3)
EC 242 Macroeconomic Analysis (3)
EC 315 Managerial Economics (3)
EC 351 Money and Financial Institutions (3)
EC 377 Saving and Investing (3)
EC 405 Global Economics (3)
BU 456 Marketing Metrics (3); or,
BU 460 Global Business (3)
MA 151 Survey of Calculus (3)

MANAGEMENT

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

BU 341 Business Law I (3)
BU 342 Business Law II (3)
BU 364 Principles of Management (3)
BU 365 Human Resource Management (3)
BU 460 Global Business Strategies (3)
BU 461 Entrepreneurship (3); or,
BU 315 Managerial Economics (3)
BU 467 Organizational Behavior (3)

MARKETING

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

BU 351 Principles of Marketing (3)
BU 353 Marketing Communications (3)

- BU 355 Sales Management (3); or,
EC 315 Managerial Economics (3)
- BU 358 Retail Management (3)
- BU 456 Marketing Metrics (3)
- BU 467 Global Marketing (3)

GLOBAL BUSINESS

Requirements: (23 prescribed credits). For the student who desires to pursue a career in international business.

- BU 459 Global Marketing (3)
- BU 460 Global Business Strategies (3)
- BU 461 Entrepreneurship (3)
- EC 315 Managerial Economics (3)
- EC 405 Global Economics (3)
- Two semesters of a Intermediate Foreign Language (8)

BUSINESS ADMINISTRATION

Requirements: 18 credits in Business, Accounting, or Economics, 9 of which must be upper division. Students must meet with a Business Department advisor to develop a program of study (Only available to non-business administration majors).

STEP PROGRAM

BACHELOR OF SCIENCE:

BUSINESS ADMINISTRATION

Objective: The 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 STEP Office for details.

Administrator: Director, STEP Program

Requirements: 51 credits; completion of the prescribed core courses (51)

Core Courses:

- AC 206 Financial Accounting (3)
- AC 207 Managerial Accounting (3)
- BU 317 Computer Applications in Business (3)

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BU 303 Management Information Systems (MIS) (3)

BU 322 Business Communications (3)

BU 341 Business Law I (3)

BU 351 Principles of Marketing (3)

BU 364 Principles of Management (3)

BU 371 Financial Management (3)

BU 381 Business Ethics (3)

BU 469 Global Operations Management (3)

BU 498 Senior Seminar in Business (3)

EC 341 Microeconomic Analysis (3)

EC 342 Macroeconomic Analysis (3)

BU 333 Mathematics for Business and Finance (3); or,

MA 224 Elementary Statistics (3)

Two electives offered by the Business Department (excluding EC 101 and EC 105)



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

Secondary Education

**Multiple programs of preparation to teach
at the secondary level**

Graduate -

Curriculum and Instruction

Director of Special Education

Education Leadership

Exceptional Child

Reading

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

Faculty: Karen Blacklock (Department Chair), Jim Bader, Jan Cantrell, Dennis Cartwright, Carey Cook, Janet Harman, Lisa Kinnaman, Larry McMillin, Phyllis McMillin, Mark Pitts, Michael Poe, Duane Slemmer, Karen Smucker.

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 of 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

School of Education, Social Work and Counseling

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 educator 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 ED 296 (Field Experience) is taken. Decision factors include cumulative GPA, ACT/COMPASS scores, and disposition reports.

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.

School of Education, Social Work and Counseling

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 (ED 486 or ED 487) occurs after completion of ED 342, Teaching Methods in the Secondary Classrooms, ED 343 Assessment 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 442, 444, 445, 446, and 481.

Admission to the internship year occurs at the end of the semester in which Content Literacy in Elementary Classrooms (ED 326) and Fundamentals of Reading (ED 325) are taken. Criteria for admission include:

1. Maintaining a 2.75 or better cumulative GPA;
2. Passing state required test of content knowledge (PRAXIS II test);
3. Demonstrating ability in planning, instruction, assessment, and student management and motivation during reading practicum, and;
4. Satisfactory ratings on dispositions for teaching.

MAJORS

BACHELOR OF ARTS

ELEMENTARY EDUCATION

Objective: To prepare students to teach in the elementary grades (K-8) and qualify them for certification.

Administrator: Chair, Department of Education

ELEMENTARY PROGRAM REQUIREMENTS

Requirements: 51 credits in professional education; 41 other required courses, most of which also meet general education requirements.

Professional Education Courses:

- * ED 110 Introduction to Teaching (1)
- ED 211 Educational Psychology (3)
- ED 275 Technology in the Classroom (2), or;
ED 276 Technology in the Classroom Advanced (2)
- * ED 296 Field Experience (1)
- ED 315 Education of Exceptional Children (3)
- ED 324 Classroom Management in Elementary Classrooms (3)
- * ED 325 Fundamentals of Reading (3)
- * ED 326 Content Literacy in Elementary Classrooms (3)
- ED 331 Teaching the Bilingual/Bicultural Child (1)
- ED 338 Teaching Physical Education in the Elementary Schools (2)
- * ED 392 Foundations of Education (2)
- * ED 442 Methods of Instruction for the Elementary School (9)
- * ED 444 Elementary Internship I (2)
- * ED 445 Elementary Internship II (12)
- * ED 446 Assessment and Intervention in Reading (3)
- * ED 481 School Start-Up (1)

* Courses must be taken at Northwest Nazarene University.

Other required courses:

English

- EN 102 English Composition (3)
- EN 212 English Grammar and Usage (2)
- EN 202 Research Writing and Critical Thinking (3)

School of Education, Social Work and Counseling

EN 374 Children's Literature (3)

Social Science

12 elective credits including:

U.S. History

Non-U.S. History

GE 105 Introduction to Geography

Mathematics

MA 201 Fundamental Mathematical Structures I (2)

MA 202 Fundamental Mathematical Structures II (3)

Science

8 elective credits in science including:

One biological science and

One physical science (or natural science)

One lab

Fine Arts

Art history/Music literature elective (3)

Health

KI 100 Fundamentals of Wellness (1)

Program Certification Requirements:

To qualify for recommendation for elementary certification by 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 content and pedagogy tests for elementary.
6. Pass one of the Idaho State Board approved technology assessments.
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

SECONDARY PROGRAM REQUIREMENTS:

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

Professional Education Courses:

Professional education core (30-36 credits) including:

- * ED 110 Introduction to Teaching (1)
ED/PY 211 Educational Psychology (3)
ED 275 Technology in the Classroom (2); or,
ED 276 Technology in the Classroom Advanced (2)
- * ED 296 Field Experience (1)
ED 315 Education of Exceptional Children (3)
- * ED 341 Content Literacy in Secondary Classrooms (3)
- * ED 342 Teaching Methods in Secondary Classrooms (2) (not required for music or kinesiology majors unless candidate has a second teaching field)
- * ED 343 Assessment in Secondary Classrooms (1)
- * ED 375 Classroom Management in Secondary Classrooms (2)
- * Special Methods Courses in first and second teaching fields or teaching area (2-6)
- * ED 392 Foundations of Education (2)
- * ED 486 Student Teaching in the Middle School/Junior High School (12),
or;
* ED 487 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

School of Education, Social Work and Counseling

as recommended by the subject departments and approved by the Department of Education. These areas and fields include:

- a. Teaching areas: art, biology, chemistry, English, kinesiology, mathematics, music, social science.
 - b. First teaching fields: biology, chemistry, English, history, kinesiology, mathematics, Spanish.
 - c. Second teaching field: art, biology, chemistry, computer science, English, health, history, kinesiology, mathematics, music, physics, psychology, social science, Spanish.
3. Complete all required education courses and content courses required with a grade of C (2.0) or better.
 4. 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.
 5. Pass one of the Idaho State Board approved technology assessments.
 6. Pass the PRAXIS II content test(s) in teaching area or fields.
 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.

Art Teaching Area Emphasis

Requirements: 45 credits in art of which 27 shall be numbered above 299.

- AR 102 2D Design (3)
- AR 104 Drawing 1 (3)
- AR 201 3D Design (3); or,
AR 205 Ceramics 1 (3)
- AR 207 Figure Studies (3)
- AR 241 Painting 1 (3)
- AR 276 Photography (3)
- AR 306 Printmaking (3)
- AR 325 Art History 1 (3)
- AR 375 Art History 2 (3)
- AR 333 Teaching Art in Elementary Schools (3)
- AR 353 Teaching Art in Secondary Schools (3)
- AR 487 Presentation & Portfolio (3)
- Nine elective art credits above 299 (9)

Art Second Teaching Field Emphasis

Requirements: 25 credits in art
AR 102 2D Design (3)

- AR 104 Drawing 1 (3)
- AR 201 3D Design (3), or;
 - AR 205 Ceramics 1 (3)
- AR 241 Painting 1 (3)
- AR 333 Teaching Art in Elementary Schools (3); and,
- AR 353 Teaching Art in Secondary Schools (3)
- One art history course above 299 (3)
- Four elective art credits above 299 (4)

Biology Teaching Area Emphasis

Requirements: 45 credits from the areas of biology and chemistry; 32 credits must be biology including at least six credits from botany; 6 credits of math.

- BI 221 General Biology I: Foundations of Biological Diversity (3), and
 - BI 221L General Biology I: Foundations of Biological Diversity Laboratory (1)
- BI 222 General Biology II: Foundations of Molecular and Cellular Biology (3), and BI 222L General Biology II: Foundations of Molecular and Cellular Biology Laboratory (1)
- BI 372 Genetics (3), and
 - BI 372L Genetics Laboratory (1)
- BI 397 Research (1-3)

Two courses selected from:

- BI 330 Vertebrate Zoology: Ectotherms (3), and
 - BI 330L Vertebrate Zoology: Ectotherms Laboratory (1)
- BI 332 Vertebrate Zoology: Endotherms (3), and
 - BI 332L Vertebrate Zoology: Endotherms Laboratory (1)
- BI 316 Plant Taxonomy (3), and
 - BI 316L Plant Taxonomy Laboratory (1)

Three courses selected from:

- BI 324 Plant and Animal Ecology (3)
- BI 342 General Microbiology (3), and
 - BI 342L General Microbiology Laboratory (1)
- BI 346 Cell Biology (3), and
 - BI 346L Cell Biology Laboratory (1)
- BI 352 Developmental Biology (3)
 - BI 352L Developmental Biology (1)
- BI 362 Vertebrate Physiology (3)
 - BI 362L Vertebrate Physiology Laboratory (1)

- CM 221 General Chemistry I (3), and
 - CM 221L General Chemistry I Laboratory (1)
- CM 222 General Chemistry II (3), and
 - CM 222L General Chemistry II Laboratory (1)

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MA 130 College Algebra (3) (or equivalent)

MA 224 Elementary Statistics (3)

ED 364 Teaching Science in the Secondary School (2)

Note: A maximum of four credits in BI 397 will be allowed toward the major.

Biology First Teaching Field Emphasis

Requirements: 37 credits (6 must be in botany and 6 in zoology)

BI 221 General Biology I: Foundations of Biological Diversity (3), and
BI 221L General Biology I: Foundations of Biological Diversity
Laboratory (1)

BI 222 General Biology II: Foundations of Molecular and Cellular Biology
(3), and BI 222L General Biology II: Foundations of Molecular and
Cellular Biology Laboratory (1)

BI 372 Genetics (3), and
BI 372L Genetics Laboratory (1)

CM 221 General Chemistry I (3), and
CM 221L General Chemistry I Laboratory (1)

CM 222 General Chemistry II (3), and
CM 222L General Chemistry II Laboratory (1)

ED 364 Teaching Science in the Secondary School (2)

Two courses selected from:

BI 330 Vertebrate Zoology: Ectotherms (3), and
BI 330L Vertebrate Zoology: Ectotherms Laboratory (1)

BI 332 Vertebrate Zoology: Endotherms (3), and
BI 332L Vertebrate Zoology: Endotherms Laboratory (1)

BI 316 Plant Taxonomy (3), and
BI 316L Plant Taxonomy Laboratory (1)

Two courses selected from:

BI 324 Plant and Animal Ecology (3)
BI 342 General Microbiology (3), and
BI 342L General Microbiology Laboratory (1)

BI 346 Cell Biology (3), and
BI 346L Cell Biology Laboratory (1)

BI 352 Developmental Biology (3), and
BI 352L Developmental Biology Laboratory (1)

BI 362 Vertebrate Physiology (3)
BI 362L Vertebrate Physiology Laboratory (1)

Biology Second Teaching Field Emphasis

Requirements: 22 credits (6 must be in botany and 6 in zoology)

BI 221 General Biology I: Foundations of Biological Diversity (3), and
BI 221L General Biology I: Foundations of Biological Diversity
Laboratory (1)

School of Education, Social Work and Counseling

BI 222 General Biology II: Foundations of Molecular and Cellular Biology (3), and BI 222L General Biology II: Foundations of Molecular and Cellular Biology Laboratory (1)
BI 372 Genetics (3), and
BI 372L Genetics Laboratory (1)
Eight elective upper division biology credits (8)
ED 364 Teaching Science in the Secondary School (2)

Chemistry Teaching Area Emphasis

Requirements: 47 credits of chemistry and related courses

BI 222 General Biology II: Foundations of Molecular and Cellular Biology (3), and BI 222L General Biology II: Foundations of Molecular and Cellular Biology Laboratory (1)
CM 221 General Chemistry I (3), and
CM 221L General Chemistry I Laboratory (1)
CM 222 General Chemistry II (3), and
CM 222L General Chemistry II Laboratory (1)
CM 261 Analytical Chemistry (3), and
CM 261L Analytical Chemistry Laboratory (1)
CM 321 Organic Chemistry I (3), and
CM 321L Organic Chemistry I Laboratory (1)
CM 322 Organic Chemistry II (3), and
CM 322L Organic Chemistry II Laboratory (1)
CM 351 Thermodynamics and Kinetics (3)
CM 362 Integrated Laboratory I (1)
CM 461 Integrated Laboratory II (1)
MA 151 Survey of Calculus (3)
PH 111 College Physics I (3), and
PH 111L College Physics I Laboratory (1)
PH 112 College Physics II (3), and
PH 112L College Physics II Laboratory (1)
* CM 497 Research (1)
CM 498 Senior Seminar (1)

One course selected from:

CM 331 Inorganic Chemistry (3)
CM 471 Structure Elucidation (3)
BI 441 Biochemistry I (3), and
BI 441L Biochemistry I Laboratory (1)

12 credits in chemistry must be taken at NNU, including CM 497 and CM 498

* A maximum of six credits in CM 497 will be allowed toward the major
ED 364 Teaching Science in the Secondary School (2)

Chemistry First Teaching Field Emphasis

Requirements: 32 credits of chemistry and related courses

- CM 221 General Chemistry I (3), and
CM 221L General Chemistry I Laboratory (1)
- CM 222 General Chemistry II (3), and
CM 222L General Chemistry II Laboratory (1)
- CM 261 Analytical Chemistry (3), and
CM 261L Analytical Chemistry Laboratory (1)
- CM 321 Organic Chemistry I (3), and
CM 321L Organic Chemistry I Laboratory (1)
- CM 322 Organic Chemistry II (3), and
CM 322L Organic Chemistry II Laboratory (1)
- CM 351 Thermodynamics and Kinetics (3)
- CM 362 Integrated Laboratory I (1)
- CM 461 Integrated Laboratory II (1); or
CM 394 Topics in Chemistry (1-3)
- * CM 497 Research (1-4)
- CM 498 Senior Seminar (1)
- MA 151 Survey of Calculus (3)

12 credits in chemistry must be taken at NNU, including CM 497 and CM 498.

* A maximum of six credits in CM 497 will be allowed toward the major.

ED 364 Teaching Science in the Secondary School (2)

Chemistry Second Teaching Field Emphasis

Requirements: 23 credits in chemistry

- CM 221 General Chemistry I (3), and
CM 221L General Chemistry I Laboratory (1)
- CM 222 General Chemistry II (3), and
CM 222L General Chemistry II Laboratory (1)
- CM 261 Analytical Chemistry (3), and
CM 261L Analytical Chemistry Laboratory (1)
- CM 321 Organic Chemistry I (3), and
CM 321L Organic Chemistry I Laboratory (1)
- CM 322 Organic Chemistry II (3), and
CM 322L Organic Chemistry II Laboratory (1)
- CM 351 Thermodynamics and Kinetics (3)
- CM 362 Integrated Laboratory I (1)
- ED 364 Teaching Science in the Secondary School (2)

Computer Science Second Teaching Field Emphasis

Requirements: 21 credits

- CS 122 Introduction to Computer Science (3)
- CS 202 Network Fundamentals (2)
- CS 204 Web Development (2)
- CS 222 Computer Programming in C++ (3), and

School of Education, Social Work and Counseling

- CS 222L Computer Programming in C++ Laboratory (1)
- CS 226 Event-Driven Programming (3), and
- CS 226L Event-Driven Programming (1)
- CS 275 Data Structures (3)
- MA 231 Discrete Mathematics (3)

English Teaching Area Emphasis

Requirements: 44 credits in English of which 26 shall be above 299

- EN 261 Introduction to Journalism (3); or,
- CO 260 Introduction to Directing (3)
- EN 298 Introduction to the Study of Literature (1)
- EN 312 Linguistics: Structure and History of English (3)
- EN 332 Shakespeare (3)
- EN 341 Greek and Roman Classics (3)
- EN 351 Twentieth Century Poetry (3); or,
- EN 352 Twentieth Century Drama (3)
- EN 379 Teaching Language Arts and the Writing Process in the Secondary School (3)
- EN 391 Literary Criticism (3)
- EN 475 Literature for Secondary Schools (3)
- EN 498 Senior Seminar (1)

Two courses selected from:

- EN 302 Principles of Writing (3)
- EN 304 Creative Writing-Prose (3)
- EN 305 Creative Writing-Poetry (3)

One course selected from:

- EN 221 American Literature: Colonial Period to the Civil War (3)
- EN 222 American Literature: Civil War to the Present (3)
- EN 325 The American Novel (3)

One course selected from:

- EN 231 British Literature: Beowulf through the Age of Reason (3)
- EN 232 British Literature: Romantic Age to the Present (3)
- EN 335 The British Novel (3)
- EN 437 British Poetry Before 1700 (3)

One course selected from:

- EN 242 World Literature: Ancient World to the Renaissance (3)
- EN 243 World Literature: Enlightenment to the Modern Era (3)
- EN 342 Foreign Literature in Translation (3)

One English elective course (3)

Recommended: One year of Foreign Language (Same Language) (8)

English First Teaching Field Emphasis

Requirements: 31 credits in English of which 20 shall be above 299

School of Education, Social Work and Counseling

- EN 298 Introduction to the Study of Literature (1)
- EN 312 Linguistics: Structure and History of English (3); or,
EN 212 English Grammar and Usage (2)
- EN 332 Shakespeare (3)
- EN 351 Twentieth Century Poetry (3); or,
EN 352 Twentieth Century Drama (3)
- EN 379 Teaching Language Arts and the Writing Process in the Secondary School (3)
- EN 475 Literature for the Secondary School (3)
- EN 498 Senior Seminar (1)

Two courses selected from the following:

- EN 302 Principles of Writing (3)
- EN 304 Creative Writing-Prose (3)
- EN 305 Creative Writing-Poetry (3)

One course selected from the following:

- EN 221 American Literature: Colonial Period to the Civil War (3)
- EN 222 American Literature: Civil War to the Present (3)
- EN 325 The American Novel (3)

One course selected from the following:

- EN 231 British Literature: Beowulf through the Age of Reason (3)
- EN 232 British Literature: Romantic Age to the Present (3)
- EN 335 The British Novel (3)
- EN 437 British Poetry Before 1700 (3)

One course selected from the following:

- EN 242 World Literature: Ancient World to the Renaissance (3)
- EN 243 World Literature: Enlightenment to the Modern Era (3)
- EN 341 Greek and Roman Classics (3)
- EN 342 Foreign Literature in Translation (3)

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

- EN 261 Introduction to Journalism (3); or,
CO 260 Introduction to Directing (3)

English Second Teaching Field Emphasis

Requirements: 24 credits of which 9 shall be above 299

- EN 212 English Grammar and Usage (2); and,
One elective credit selected in consultation with advisor (1); or,
EN 312 Linguistics: Structure and History of English (3)
- EN 379 Teaching Language Arts and the Writing Process in the Secondary School (3)

Two courses selected from the following:

- EN 302 Principles of Writing (3)
- EN 304 Creative Writing-Prose (3)
- EN 305 Creative Writing-Poetry (3)

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One course selected from the following:

- EN 221 American Literature: Colonial Period to the Civil War (3)
- EN 222 American Literature: Civil War to the Present (3)
- EN 321 Major Authors in American Literature (3)
- EN 325 The American Novel (3)

Two courses selected from the following:

- EN 231 British Literature: Beowulf through the Age of Reason (3)
- EN 232 British Literature: Romantic Age to the Present (3)
- EN 331 Major Authors in British Literature (3)
- EN 332 Shakespeare (3)
- EN 335 The British Novel (3)
- EN 434 Major Romantics and Victorians (3)

One course selected from the following:

- EN 242 World Literature: Ancient World to the Roman Renaissance (3)
- EN 243 World Literature: Romantic Age to the Present (3)
- EN 341 Greek and Roman Classics (3)

Health Second Teaching Field Emphasis

Requirements: 20 credits

- KI 243 Health Issues in Today's Society (3)
- KI 273 Nutrition Across the Life Span (3)
- KI 296 Field Experience in Kinesiology (1)
- ED/KI 335 Teaching Health in Secondary Schools (2)
- KI 456 Administration and Supervision in HPERA (3)
- SO 334 Sociology of the Family (3)

One course selected from the following:

- BI 201 Human Anatomy and Physiology I (3), and
BI 201L Human Anatomy and Physiology I Laboratory (1)
- BI 203 Human Anatomy and Physiology II (3), and
BI 203L Human Anatomy and Physiology II Laboratory (1)

One course selected from the following:

- PY 125 Psychology for Life (2)
- PY 336 Child Psychology (2)
- PY 345 Abnormal Psychology (3)
- PY 366 Adolescent Psychology (2)

History First Teaching Field Emphasis

Requirements: 35 credits in history of which 21 shall be numbered above 299

- HS 103 The World and the West I (3)
- HS 104 The World and the West II (3)
- HS 203 Conflict and Consensus: American History to 1877 (3)
- HS 204 Conflict and Consensus: American History from 1877 (3)

HS 339 Recent America (3)

Five additional upper division elective courses in history (15)

PS 101 American National Politics (3)

ED 358 Teaching Social Studies in the Secondary Schools (2)

History Second Teaching Field Emphasis

Requirements: 23 credits of which 12 credits shall be numbered above 299

HS 203 Conflict and Consensus: American History to 1877 (3)

HS 204 Conflict and Consensus: American History from 1877 (3)

HS 339 Recent America (3)

Nine additional upper division elective history credits (9)

PS 101 American National Politics (3)

ED 358 Teaching Social Studies in the Secondary Schools (2)

Kinesiology Teaching Area Emphasis

Requirements: 44 credits

KI 131 Introduction to Recreation and Kinesiology (3)

KI 124 Lifeguarding (1)

One course selected from the following:

KI 241 Introduction to Athletic Training and Physical Therapy with Laboratory (3)

KI 243 Health Issues in Today's Society (3)

KI 273 Nutrition Across the Life Span (2)

KI 264 Kinesiology Majors Activity Laboratory (1) (6 required)

KI 296 Field Experience in Kinesiology (1)

ED/KI 335 Teaching Health in Secondary Schools (2)

ED/KI 336 Teaching Physical Education in Secondary Schools (2)

ED/KI 338 Teaching Physical Education in Elementary Schools (2)

KI 356 Psychology and Techniques of Coaching (3)

KI 360 Motor Development and Motor Learning (2)

KI 363 Corrective and Adaptive Physical Education (2)

KI 364 Physiology of Exercise and Biomechanics (3)

KI 452 Tests and Measurements in Physical Education (3)

BI 201 Human Anatomy and Physiology I (3), and

BI 201L Human Anatomy and Physiology I Laboratory (1)

BI 203 Human Anatomy and Physiology II (3), and

BI 203L Human Anatomy and Physiology II Laboratory (1)

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

Kinesiology First Teaching Field Emphasis

Requirements: 38 credits

KI 124 Lifeguarding (1)

KI 131 Introduction to Recreation and Kinesiology (3)

One course selected from the following:

K 241 Introduction to Athletic Training and Physical Therapy with Laboratory (3)

KI 243 Health Issues in Today's Society (3)

KI 273 Nutrition Across the Lifespan (2)

KI 264 Kinesiology Majors Activity Laboratory (1) (6 req)

KI 296 Field Experience in Kinesiology (1)

ED/KI 335 Teaching Health in Secondary Schools (2)

ED/KI 336 Teaching Physical Education in Secondary Schools (2)

ED/KI 338 Teaching Physical Education in Elementary Schools (2)

KI 356 Psychology and Techniques of Coaching (3)

KI 360 Motor Development and Motor Learning (2)

KI 363 Corrective and Adaptive Physical Education (2)

KI 364 Physiology of Exercise and Biomechanics (3)

KI 452 Tests and Measurements in Physical Education (3)

KI 456 Administration and Supervision in HPERA (3)

BI 201 Human Anatomy and Physiology I (3), and

BI 201L Human Anatomy and Physiology I Laboratory (1)

BI 203 Human Anatomy and Physiology II (3), and

BI 203L Human Anatomy and Physiology II Laboratory (1)

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

Kinesiology Second Teaching Field Emphasis

Requirements: 23 credits

KI 241 Introduction to Athletic Training and Physical Therapy with Laboratory (3)

KI 243 Health Issues in Today's Society (3)

KI 264 Kinesiology Majors Activity Laboratory (1) (4 req)

ED/KI 336 Teaching Physical Education in Secondary Schools (2)

KI 338 Teaching Physical Education in Elementary Schools (2)

KI 356 Psychology and Techniques of Coaching (3)

KI 360 Motor Development and Motor Learning (2)

KI 363 Corrective and Adaptive Physical Education (2)

KI 364 Physiology of Exercise and Biomechanics (3)

KI 452 Tests and Measurements in Physical Education (3)

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

Recommended:

- B 201 Human Anatomy and Physiology I (3), and
 - BI 201L Human Anatomy and Physiology I Laboratory (1)
- BI 203 Human Anatomy and Physiology II (3), and
 - BI 203L Human Anatomy and Physiology II Laboratory (1)

Mathematics Teaching Area Emphasis

Requirements: 45 in mathematics (including CS 122) of which 23 shall be numbered above 299; 4 credits in physics

- MA 224 Elementary Statistics (3)
- MA 231 Discrete Mathematics (3)
- MA 251 Calculus I (4)*
- MA 252 Calculus II (4) *
- MA 301 Teaching Mathematics in the Secondary School (2)
- MA 310 History of Mathematics (1)
- MA 328 Modeling and Operations Research (3)
- MA 331 Introduction to Abstract Mathematics (3)
- MA 332 Linear Algebra (3)
- MA 341 Modern Geometry (3)
- MA 432 Modern Algebra (4)
- MA 451 Introduction to Real Analysis (4)
- Five mathematics elective credits (5)
- PH 111 College Physics I (3), and
 - PH 111L College Physics I Laboratory (1) ; or,
 - PH 211 Physics for Science and Engineering I (3), and
 - PH 211L Physics for Science and Engineering I Laboratory (1)
- CS 122 Introduction to Computer Science (3)

*For a student with a superior high school background, MA 251 and/or MA 252 may be waived.

Mathematics First Teaching Field Emphasis

Requirements: 30 in mathematics (including CS 122) of which 15 shall be numbered above 299.

- MA 224 Elementary Statistics (3)
- MA 251 Calculus I (4)*
- MA 252 Calculus II (4) *
- MA 301 Teaching Mathematics in the Secondary School (2)

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- MA 310 History of Mathematics (1)
- MA 328 Modeling and Operations Research (3); or,
MA 332 Linear Algebra (3)
- MA 331 Introduction to Abstract Mathematics (3)
- MA 341 Modern Geometry (3)
- MA 432 Modern Algebra (4)

CS 122 Introduction to Computer Science (3)

*For a student with a superior high school background, MA 251 and/or MA 252 may be waived.

Mathematics Second Teaching Field Emphasis

Requirements: 24-25 credits in mathematics

- MA 201 Fundamental Mathematical Structures I (3)
- MA 224 Elementary Statistics (3)
- MA 251 Calculus I (4)
- MA 252 Calculus II (4)
- MA 301 Teaching Mathematics in the Secondary School (2)
- MA 341 Modern Geometry (3)
- Five mathematics elective credits (5)

One course selected from the following:

- MA 202 Fundamental Mathematical Structures II (3)
- MA 328 Modeling and Operations Research (3)
- MA 331 Introduction to Abstract Mathematics (2)

Music Teaching Area Emphasis

Requirements: 50 credits in music; 8 credits in applied lessons

- MU 120 Beginning Music Theory I (3)
- MU 121 Beginning Music Theory I Laboratory (1)
- MU 122 Beginning Music Theory II (3)
- MU 123 Beginning Music Theory II Laboratory (1)
- MU 220 Intermediate Music Theory I (3)
- MU 221 Intermediate Music Theory I Laboratory (1)
- MU 222 Intermediate Music Theory II (3)
- MU 223 Intermediate Music Theory II Laboratory (1)
- MU 224 Jazz Improvisation (3)
- MU 231 Synthesizers and Sequencing (1)
- MU 321 Orchestration (3)
- MU 325B Brass (1)
- MU 325P Percussion (1)
- MU 325S Strings (1)
- MU 325W Woodwinds (1)
- MU 326 Music History: Medieval, Renaissance and Baroque (3)
- MU 327 Music History: Classical, Romantic and Modern (3)

School of Education, Social Work and Counseling

- MU 331 Teaching Music in the Elementary School (2)
- MU 332 Teaching Music in the Secondary School (3)
- MU 342 Choral Methods and Materials (2)
- MU 343 Instrumental Methods and Materials (2)
- MU 360 Choral Conducting (3)
- MU 361 Instrumental Conducting (3)
- MU 410 Forms and Analysis (3)

Eight credits in applied lessons

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

Requirements: 21 credits in music

- MU 120 Beginning Music Theory I (3)
- MU 121 Beginning Music Theory Laboratory I (1)
- MU 122 Beginning Music Theory II (3)
- MU 123 Beginning Music Theory Laboratory II (1)
- MU 231 Synthesizers and Sequencing (1)
- MU 331 Teaching Music in the Elementary School (2)
- MU 332 Teaching Music in the Secondary School (3)
- MU 360 Choral Conducting (3)

Two credits in a performance medium, instrument, or voice (2)

School of Education, Social Work and Counseling

Three credits of upper division electives selected in consultation with major advisor (3)

Physics Second Teaching Field

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

- ED 364 Teaching Science in the Secondary Schools (2)
- PH 211 Physics for Science and Engineering I (3), and
PH 211L Physics for Science and Engineering I Laboratory (1)
- PH 212 Physics for Science and Engineering II (3), and
PH 212L Physics for Science and Engineering II Laboratory (1)
- PH 231 Instrumentation in Experimental Physics I (1)
- PH 232 Instrumentation in Experimental Physics II (1)
- PH 313 Modern Physics (3), and
PH 313L Modern Physics Laboratory (1)

Two courses selected from the following:

- PH 341 Analytic Mechanics (3)*
- PH 342 Vibrations and Waves (3)
- PH 351 Thermodynamics and Statistical Mechanics (3)
- PH 461 Electricity and Magnetism (3)*
- PH 472 Solid State Physics (3)
- PH 481 Fundamentals of Quantum Mechanics (3)

The following math courses are required as they are pre/co-requisites to all the above physics courses:

- MA 251 Calculus I (4)
- MA 252 Calculus II (4)
- MA 353 Calculus III (3)
- MA 354 Differential Equations (3)

*These courses represent the areas typically taught in secondary schools.

Psychology Second Teaching Field

Requirements: 21 credits in psychology of which 11 shall be numbered above 299

Social Science Teaching Area Emphasis

Requirements: 47 total credits from the Social Sciences

- HS 103 The World and the West I (3)
- HS 104 The World and the West II (3)
- HS 203 Conflict and Consensus: American History to 1877 (3)
- HS 204 Conflict and Consensus: American History from 1877 (3)
- HS 339 Recent America (3)
- GE 105 Introduction to Geography (3)
- EC 241 Microeconomic Analysis (3)
- EC 242 Macroeconomic Analysis (3)

ED 358 Teaching Social Studies in the Secondary School (2)
PS 101 American National Politics (3)
SO 155 Introduction to Sociology (3)
PS 103 Foundations of Politics (3); or,
 PS 341 American Political Thought (3)
PS 442 Civil Rights and Civil Liberties (3)
Nine credits in Social Science numbered above 299 of which 6 are History (9)

Social Science Second Teaching Field Emphasis

Requirements: First teaching field in history; at least 23 credits including the following:

ED 358 Teaching Social Studies in the Secondary School (2)
HS 203 Conflict and Consensus: American History to 1877 (3)
HS 204 Conflict and Consensus: American History from 1877 (3)
HS 339 Recent America (3)
Twelve elective credits taken from Economics, Geography, Sociology, and/or Political Science.

Spanish First Teaching Field Emphasis

Requirements: 30 credits of which 20 must be upper-division

SP 201 Intermediate Spanish (or equivalent) (4)
SP 301 Advanced Conversation and Composition (3); or,
 SP 322 Spanish for Business (3)
SP 342 Introduction to Spanish Linguistics (3)

One course selected from Spanish or Hispanoamerican civilization:

SP 331 Hispanic Civilization (3) (may be repeated); or,
 SP 394 Topics in Hispanic Culture, Literature or Linguistics
 (Cultural Topic) (3) (may be repeated)

One course selected from Spanish or Hispanoamerican literature:

SP 351 Survey of Hispanic Literature (3) (may be repeated); or,
 SP 394 Topics in Hispanic Culture, Literature or Linguistics (3)
 (may be repeated)

SP 363 Teaching Foreign Language in the Secondary School (2)

Eight elective credits in Spanish numbered above 299 (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)

School of Education, Social Work and Counseling

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 (OC 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 chairperson of Modern Languages.

Spanish Second Teaching Field Emphasis

Requirements: 22 credits, of which 12 must be upper-division

SP 201 Intermediate Spanish (or equivalent) (4)

SP 202 Intermediate Spanish (of equivalent) (4)

12 semester credits in Spanish numbered above 299 representing two of the following areas:

Culture (including history and civilization)

Linguistics

Literature

SP/ED 363 Teaching Foreign Language in the Secondary School (2)

DEPARTMENT OF SOCIAL WORK

Faculty: Mary Curran (Department Chair and Director of the MSW program), LeAnn Stensgaard (Director of the B.A. program), Jerry Hull, Lawanna Lancaster (Title IV-E Partner), Mamie Oliver (Field Coordinator for the MSW program), Al Sanchez, Michael Sherr, 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.

MAJOR

BACHELOR OF ARTS:

SOCIAL WORK

Mission of the Department: The primary program purpose 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 SW 172, SW 211, and SW 296 or SW 297
5. Be enrolled in or have taken SW 285
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.

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:

- SW 172 Social Welfare in Contemporary Society (3)
- SW 211 Introduction to Social Work (3)
- SW 285a,b Human Behavior and the Social Environment I (2, 2)
- SW 296 Field Experience in Social Work (1); or,
SW 297 Urban Field Experience (1)

School of Education, Social Work and Counseling

- SW 325 Substance Abuse, Prevention, and Intervention (3); or,
SW 335 Child Welfare Services (3); or,
SW 345 Gerontology and Geriatric Social Work (3)
- SW 355a,b Social Work Methods I & II (2, 2)
- SW 356a,b Social Work Methods III & IV (2, 2)
- SW 359a,b Skills Practicum (1, 1)
- SW 375 Social Welfare Policy (3)
- SW 397a,b Social Work Research and Statistics I & II (2, 2)
- SW 494 Topics in Social Work (1)
- SW 496a,b Advanced Practicum in Social Work (4, 4)
- SW 498a,b Senior Field Seminar (1, 1)
- PY 345 Abnormal Psychology (3)

Foundation Courses:

- PY 155 Introduction to Psychology (3)
- BI 106 Human Biology (3)
- PS 103 Foundations of Politics: The Quest for Peace and Justice (3); or,
EC 105 Analysis of Economic Issues (3)
- SO 155 Introduction to Sociology (3); or,
SO 203 Cultural Anthropology I (2)
- SO 318 Race, Class and Ethnicity (3); or,
EN 427 Minority Voices in American Literature (3); or,
A second year foreign language course (4)

MINOR

SOCIAL WELFARE

Requirements: 20/21 credits in social work of which 9 must be upper division

- SW 172 Social Welfare in Contemporary Society (3)
- SW 211 Introduction to Social Work (3)
- SW 285a,b Human Behavior and the Social Environment (2, 2)
- SW 296 Field Experience in Social Work (1); or,
SW 297 Urban Field Experience (1)

Select three of the following courses:

- SW 325 Substance Abuse, Prevention, and Intervention (3)
- SW 335 Child Welfare Services (3)
- SW 345 Gerontology and Geriatric Social Work (3)
- SW 375 Social Welfare Policy (3)
- SW 397a,b Social Work Research and Statistics I & II (2, 2)



SCHOOL OF HEALTH AND SCIENCE

Dean of the School of Health and Science: Dan Nogales

The School of Health and Science provides programs related to the sciences, mathematics, and health. Several of these programs lead directly to careers or professions, while others provide undergraduate preparation that may lead to additional study at the graduate or professional school level.

The six departments in this school are: Biology, Chemistry, Kinesiology, Mathematics and Computer Science, Nursing, and Physics. Majors and programs available in the school are:

Pre-Engineering and Collaborative Engineering Programs

Three-Two Program

Four-Year Bachelor of Science Program

Two-Year and Freshman Programs

Pre-Professional Programs

Pre-Medical, Pre-Dental, Pre-Optometry, and

Pre-Veterinary Medicine

Pre-Dental Hygiene

Pre-Pharmacy

Biology

Biology

Cellular/Molecular Emphasis

Ecology/Biodiversity Emphasis

Pre-Medical Emphasis

Pre-Physical Therapy

Physical Therapy Emphasis

Athletic Training Emphasis

Biology Education

Chemistry

Chemistry

Chemistry Emphasis

Environmental Chemistry Emphasis

Biochemistry Emphasis

Chemistry Education

Kinesiology

Recreation and Sport Management
Athletic Training Emphasis
Kinesiology/Coaching Emphasis
Sport Management Emphasis
Outdoor Recreation Emphasis
Kinesiology Education

Mathematics and Computer Science

Computer Science
Mathematics
Mathematics Education

Nursing

Nursing

Physics

Engineering Physics
Physics
Physics Education

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

PRE-PROFESSIONAL PROGRAMS

Pre-Engineering

Pre-engineering programs are available in most fields of engineering including chemical, electrical, mechanical, civil, and aerospace. Students may choose one of three programs: (1) a three-two program; (2) a four year bachelor of science program in chemistry or engineering physics; or (3) two year or freshman year program.

The pre-engineering program is designed for those students planning to enroll as juniors at the University of Idaho, Walla Walla College, or Seattle Pacific University in engineering.

All the courses taken at NNU will transfer to most engineering colleges. NNU offers enough credits to complete the first two years of most engineering programs so that it is possible, with careful planning, to complete a degree in engineering two years after transferring.

School of Health and Science

The study of engineering requires a high degree of aptitude in mathematics and the physical sciences. A student interested in this field will benefit from a strong background of high school mathematics and courses in physics and chemistry.

Three-Two Program

Students may earn a Bachelor of Science degree in Applied Science from NNU and an engineering degree from a recognized college of engineering by: (1), spending three years in residence at NNU, (2) completing all NNU requirements for the bachelor of science degree except those referring to the major, total credits, and total credits numbered above 299, and (3) successfully completing a program leading to a bachelor's degree at a college of engineering. Careful planning in choosing courses is required in order to complete both degrees after two years at the engineering school.

General degree requirements for NNU and basic requirements for an engineering school are normally fulfilled according to the following schedule:

Freshman year

- BL 111 Introduction to Biblical Studies (3)
- CM 221 General Chemistry I (3), and
CM 221L General Chemistry I Laboratory (1)
- CM 222 General Chemistry II (3), and
CM 222L General Chemistry II Laboratory (1)
- EG 105 Engineering Graphics and Design (3)
- EG 210 Engineering Statics (3)
- EN 102 English Composition (3)
- MA 251, 252, 353 Calculus I, II, III (4, 4, 3)
- KI 100 Fundamentals of Wellness (1)
- Social Science Requirement Elective (4)

Sophomore year

- CS 122 Introduction to Computer Science (3)
- CS 222 Computer Programming In C++ (3), and
CS 222L Computer Programming In C++ Laboratory (1)
- EC 241 Microeconomic Analysis (3); or,
EC 242 Macroeconomic Analysis (3)
- EN 202 Research Writing and Critical Thinking (4)
- MA 354 Differential Equations (3)
- PH 211 Physics for Science and Engineering I (3), and
PH 211L Physics for Science and Engineering I Laboratory (1)
- PH 212 Physics for Science and Engineering II (3), and
PH 212L Physics for Science and Engineering II Laboratory (1)
- TH 211 Introduction to Christian Theology (3)

Humanities Requirement Electives (12)

Kinesiology activity (1)

Junior year

CO 121 Introduction to Public Speaking (2)

EG 343 Mechanics of Materials (3)

PH 341 Analytic Mechanics (3)

Humanities Requirement Electives (12)

Social Science Requirements Electives (12)

Kinesiology activities (2)

Courses in field of engineering the student plans to pursue.

Chemical Engineering

CM 321 Organic Chemistry I (3), and

CM 321L Organic Chemistry I Laboratory (1)

CM 322 Organic Chemistry II (3), and

CM 322L Organic Chemistry II Laboratory (1)

CM 351 Thermodynamics and Kinetics (3)

Electrical Engineering

EG 362 Analog Electronics (3), and

EG 362L Analog Electronics Laboratory (1)

EG 363 Digital Electronics (3), and

EG 363L Digital Electronics Laboratory (1)

MA 356 Numerical Analysis (3)

PH 461 Electricity and Magnetism (3)

Mechanical and Aerospace Engineering

EG 363 Digital Electronics (3), and

EG 363L Digital Electronics Laboratory (1)

MA 356 Numerical Analysis (3)

PH 351 Thermodynamics and Statistical Mechanics (3)

Civil and Environmental Engineering

EG 362 Analog Electronics (3), and

EG 362L Analog Electronics Laboratory (1)

PH 351 Thermodynamics and Statistical Mechanics (3)

FOUR-YEAR BACHELOR OF SCIENCE PROGRAM

Engineering Physics

School of Health and Science

The Engineering Physics curriculum is designed with a twofold purpose: to prepare students to enter professional engineering practice and to adequately prepare students for graduate studies in various engineering fields. The fundamental objective of this program is to provide students with a general engineering background of the highest possible caliber, enabling them to adjust to the rapid changes of our technological society and yet technical enough to allow students to enter professional practice directly. The curriculum includes course work in Physics, Mathematics, Computer Science, Electronics and Engineering.

Two-Year and Freshman-Year Programs

Northwest Nazarene University provides most of the courses necessary to complete the first two years of engineering school. Students may elect to transfer to an engineering school at the end of the freshman year or after two years at NNU. The student should select courses from the following list:

- CM 221 General Chemistry I (3), and
CM 221L General Chemistry I Laboratory (1)
- CM 222 General Chemistry II (3), and
CM 222L General Chemistry II Laboratory (1)
- EG 105 Engineering Graphics and Design (3)
- EN 102 English Composition (3)
- MA 251, 252, 353 Calculus I, II, III (4, 4, 3)
- MA 354 Differential Equations (3)
- PH 211 Physics for Science and Engineering I (3), and
PH 211L Physics for Science and Engineering I Laboratory (1)
- PH 212 Physics for Science and Engineering II (3), and
PH 212L Physics for Science and Engineering II Laboratory (1)

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:

- BI 221 General Biology I: Foundations of Biological Diversity (3), and

- BI 221L General Biology I: Foundations of Biological Diversity Laboratory (1)
- BI 222 General Biology II: Foundations of Molecular and Cellular Biology (3), and BI 222L General Biology II: Foundations of Molecular and Cellular Biology Laboratory (1)
- CM 221 General Chemistry I (3), and
CM 221L General Chemistry I Laboratory (1)
- CM 222 General Chemistry II (3), and
CM 222L General Chemistry II Laboratory (1)
- CM 321 Organic Chemistry I (3), and
CM 321L Organic Chemistry I Laboratory (1)
- CM 322 Organic Chemistry II (3), and
CM 322L Organic Chemistry II Laboratory (1)
- EN 102 English Composition (3)
- MA 151 Survey of Calculus (3); or,
MA 251 Calculus I (4)
- PH 111 College Physics I (3), and
PH 111L College Physics I Laboratory (1)
- PH 112 College Physics II (3), and
PH 112L College Physics II Laboratory (1); or,
PH 211 Physics for Science and Engineering I (3), and
PH 211L Physics for Science and Engineering I Laboratory (1)
- PH 212 Physics for Science and Engineering II (3), and
PH 212L 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:

- BI 201, 201L, 203, 203L Human Anatomy and Physiology I, II (3, 1, 3, 1)
- BI 221, 221L General Biology I: Foundations of Biological Diversity (3, 1)
- BI 342, 342L General Microbiology (3, 1)

School of Health and Science

- CM 121, 121L Principles of Organic and Biochemistry (3, 1)
- CM 221, 221L General Chemistry I (3, 1)
- CO 121 Introduction to Public Speaking (2)
- EN 102 English Composition (3)
- EN 202 Research Writing and Critical Thinking (3)
- KI 273 Nutrition Across the Lifespan (2)
- MA 130 College Algebra (3)
- MA 224 Elementary Statistics (3)
- SO 155 Introduction to Sociology (3)
- PY 155 Introduction to Psychology (3)
- PY 210 Life Span Development (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.

- BI 221 General Biology I: Foundations of Biological Diversity (3), and
BI 221L General Biology I: Foundations of Biological Diversity
Laboratory (1)
- BI 222 General Biology II: Foundations of Molecular and Cellular Biology
(3), and BI 222L General Biology II: Foundations of Molecular and Cellular
Biology Laboratory (1)
- BI 342 General Microbiology (3), and
BI 342L General Microbiology Laboratory (1)
- BL 111 Introduction to Biblical Studies (3)
- CM 221 General Chemistry I (3), and
CM 221L General Chemistry I Laboratory (1)
- CM 222 General Chemistry II (3), and
CM 222L General Chemistry II Laboratory (1)
- CM 321 Organic Chemistry I (3), and
CM 321L Organic Chemistry I Laboratory (1)
- CM 322 Organic Chemistry II (3), and
CM 322L Organic Chemistry II Laboratory (1)
- CO 121 Introduction to Public Speaking (2)
- EC 242 Macroeconomic Analysis (2)
- EN 102 English Composition (3)

EN 202 Research Writing and Critical Thinking (3)
MA 151 Survey of Calculus (3); or,
MA 251 Calculus I (4)
PH 211, 211L, 212, 212L Physics for Science and Engineering I, II (3, 1, 3, 1);
or, PH 111, 111L, 112, 112L College Physics I, II (3, 1, 3, 1)
TH 211 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. For example, biology courses: plant and animal ecology, field ecology, vertebrate zoology - ectotherms, vertebrate zoology - endotherms, and plant taxonomy. 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), Whidbey Island in the Puget Sound (Pacific Rim), Africa 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. Tuition is the same as regular NNU tuition and students are responsible for books, fees, room and board (\$185 per week in the U.S.) and travel. Each participating college is allotted financial aid for its students who attend. Interested students should visit the Au Sable website (<http://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 East Africa - Africa
Birds and Mammals of South India - India
Environmental Chemistry - Great Lakes
Forest Ecology - Pacific Rim
Introduction to Tropical Medicine - Africa
Marine Invertebrates - Pacific Rim
Marine Mammals - Pacific Rim
Ornithology: Eastern Birds - Great Lakes
Ornithology: Western Birds - Pacific Rim
Plant Ecology - Pacific Coast
Restoration Ecology - Great Lakes
Tropical Botany - Africa
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, William Fyffe, Chris Kapicka, Ronald Strohmeyer

Learning Objectives:

1. Graduates will demonstrate that they can think logically, analytically, and independently about the scientific principles that affect the world around them and acquire a basic informational framework to make decisions related to such areas as nutrition, personal and family health, community policy, and national law. (Creative Engagement, Social Responsiveness, and Christlike Character)

2. Graduates will become effective communicators by collection and analysis of scientific data and then integrate and prepare this data into professionally acceptable written and oral forms. Students will become comfortable in the utilization of modern technology to more effectively communicate. (Creative Engagement and Academic Excellence)

3. Graduates will develop a historical sense of man's scientific advancement through a better understanding of natural phenomena and then apply this knowledge through a variety of scientific endeavors to accurately understand, utilize, control and predict natural processes in a way that will allow the realization of a better quality of life. (Creative Engagement and Social Responsiveness)

4. Graduates will integrate scholarship, faith, and service by exposure to a community of scholars and develop long term personal, spiritual, professional, and social interactions that allow mutual expression of the Lord's redeeming grace.

Students should then be better able to excel in their chosen discipline and be effective and compassionate members of their community. (Creative Engagement, Social Responsiveness, and Christlike Character)

MAJORS

BACHELOR OF SCIENCE:

BIOLOGY

Academic Objective: To prepare students for graduate school in biological sciences.

General Biology Emphasis

In planning a college program, students should follow the requirements and recommendations of particular graduate 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.

Administrator: Chair, Department of Biology

Requirements: A total of at least 63 credits in science and math, including 39-40 in biology with the following core, required and selected elective courses.

- BI 221 General Biology I: Foundations of Biological Diversity (3), and
BI 221L General Biology I: Foundations of Biological Diversity
Laboratory (1)
- BI 222 General Biology II: Foundations of Molecular and Cellular Biology
(3), and BI 222L General Biology II: Foundations of Molecular and Cellular
Biology Laboratory (1)
- BI 324 Plant and Animal Ecology (3)
- BI 372 Genetics (3), and
BI 372L Genetics Laboratory (1)
- BI 374 Origins (3)
- BI 397 Research (1)
- *BI 498 Senior Seminar (1)
- CM 221 General Chemistry I (3), and
CM 221L General Chemistry I Laboratory (1)
- CM 222 General Chemistry II (3), and
CM 222L General Chemistry II Laboratory (1)
- CM 321 Organic Chemistry I (3), and
CM 321L Organic Chemistry I Laboratory (1)

School of Health and Science

- CM 322 Organic Chemistry II (3), and
CM 322L Organic Chemistry II Laboratory (1)
PH 111 College Physics I (3), and
PH 111L College Physics I Laboratory (1)
PH 112 College Physics II (3), and
PH 112L College Physics II Laboratory (1); or,
PH 211 Physics for Science and Engineering I (3), and
PH 211L Physics for Science and Engineering I Laboratory (1)
PH 212 Physics for Science and Engineering II (3), and
PH 212L Physics for Science and Engineering II Laboratory (1)

Choose one of the following courses:

- MA 151 Survey of Calculus (3)
MA 224 Elementary Statistics (3)
MA 251 Calculus I (4)
PY 364 Experimental Design and Statistical Analysis (3); and,
PY 364L Experimental Design and Statistical Analysis Laboratory (1)

Area Requirements:

Animal Biology (choose 1*):

- BI 330 Vertebrate Zoology: Ectotherms (3), and
BI 330L Vertebrate Zoology: Ectotherms Laboratory (1)
BI 332 Vertebrate Zoology: Endotherms (3), and
BI 332L Vertebrate Zoology: Endotherms Laboratory (1)
Or obtain NNU credit for the following Au Sable courses *(see Department Chair for additional information).
- Marine Mammals (4) - Pacific Rim
 - Marine Invertebrates (4) - Pacific Rim
 - Birds and Mammals of East Africa (4) - Africa
 - Birds and Mammals of South India (4) - India

Plant Biology (choose 1):

- BI 316 Plant Taxonomy (3), and
BI 316L 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
 - Tropical Botany (4) - Africa
 - Plant Ecology (4) - Pacific Rim
 - Forest Ecology (4) - Great Lakes and Pacific Rim

Ecology: Systems and Techniques (choose 1):

- BI 424 Field Ecology (3), and
BI 424L Field Ecology Laboratory (1)

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

- Wildlife Ecology (4) - Pacific Rim
- Alpine Ecology: Life in Context of Snow and Ice (4) - Pacific Rim
- Tropical Mountain Ecology (4) - India
- Restoration Ecology (4) - Pacific Rim
- Wetland Ecology (4) - Great Lakes

Cellular/Molecular Biology (choose 1):

- BI 342 General Microbiology (3), and
BI 342L General Microbiology Laboratory (1)
- BI 346 Cell Biology (3), and
BI 346L Cell Biology Laboratory (1)
- BI 352 Developmental Biology (3), and
BI 352L Developmental Biology Laboratory (1)
- BI 354 Immunology (3), and
BI 354L Immunology Laboratory (1)
- BI 441 Biochemistry I (3), and
BI 441L Biochemistry I Laboratory (1)
- BI 442 Biochemistry II (3)

Form and Function (choose 1):

- BI 201 Human Anatomy and Physiology I (3), and
BI 201L Human Anatomy and Physiology I Laboratory (1)
- BI 203 Human Anatomy and Physiology II (3), and
BI 203L Human Anatomy and Physiology II Laboratory (1)
- BI 336 Vertebrate Comparative Anatomy (3), and
BI 336L Vertebrate Comparative Anatomy Laboratory (1)
- BI 362 Vertebrate Physiology (3), and
BI 362L Vertebrate Physiology Laboratory (1)
- BI 382 Pathophysiology (3)

* BI 498 must be taken at Northwest Nazarene University.

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

Cellular/Molecular Emphasis

Objective: This emphasis is designed for the student who has goals of academic research in fields related to cellular and molecular biology. The specific requirements for graduate programs vary. Students should make sure that course work covers any additional requirements.

Administrator: Chair, Department of Biology

School of Health and Science

Requirements: A total of at least 62-63 credits in science and mathematics, including 25 in Biology.

Core Requirements:

- BI 221 General Biology I: Foundations of Biological Diversity (3), and
BI 221L General Biology I: Foundations of Biological Diversity
Laboratory (1)
- BI 222 General Biology II: Foundations of Molecular and Cellular Biology
(3), and
BI 222L General Biology II: Foundations of Molecular and
Cellular Biology Laboratory (1)
- BI 324 Plant and Animal Ecology (3)
- BI 372 Genetics (3), and
BI 372L Genetics Laboratory (1)
- BI 374 Origins (3)
- BI 397 Research (1)
- *BI 498 Senior Seminar (1)
- CM 221 General Chemistry I (3), and
CM 221L General Chemistry I Laboratory (1)
- CM 222 General Chemistry II (3), and
CM 222L General Chemistry II Laboratory
- CM 321 Organic Chemistry (3), and
CM 321L Organic Chemistry (1)
- PH 111 College Physics I (3), and
PH 111L College Physics I Laboratory (1)
- PH 112 College Physics II (3), and
PH 112L College Physics II Laboratory (1); or
- PH 211 Physics for Science and Engineering I (3), and
PH 211L Physics for Science and Engineering I Laboratory (1)
- PH 212 Physics for Science and Engineering II (3), and
PH 212L Physics for Science and Engineering II Laboratory (1)

Cellular/Molecular Emphasis Requirements:

- BI 346 Cell Biology (3), and
BI 346L Cell Biology Laboratory (1)
- BI 441 Biochemistry I (3), and
BI 441L Biochemistry I Laboratory (1)
- BI 442 Biochemistry II (3)
- BI 472 Advanced Molecular Biology (3), and
BI 472 Advanced Molecular Biology Laboratory (1)
- CM 322 Organic Chemistry II (3), and
CM 322L Organic Chemistry II Laboratory (1)
- MA 151 Survey of Calculus (3); or,

MA 251 Calculus I (4)

Additional recommended courses include:

- BI 342 General Microbiology (3), and
BI 342L General Microbiology Laboratory (1)
- BI 352 Developmental Biology (3), and
BI 352L Developmental Biology Laboratory (1)
- BI 354 Immunology (3), and
BI 354L Immunology Laboratory (1)

*BI 498 must be taken at Northwest Nazarene University.

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.

Administrator: Chair, Department of Biology

Requirements: 59-60 credits, including 36 in biology

Core requirements:

- BI 221 General Biology I: Foundations of Biological Diversity (3), and
BI 221L General Biology I: Foundations of Biological Diversity
Laboratory (1)
- BI 222 General Biology II: Foundations of Molecular and Cellular Biology
(3), and
BI 222L General Biology II: Foundations of Molecular and Cellular
Biology Laboratory (1)
- BI 324 Plant and Animal Ecology (3)
- BI 372 Genetics (3), and
BI 372L Genetics Laboratory (1)
- BI 374 Origins (3)
- BI 397 Research (1)
- *BI 498 Senior Seminar (1)
- CM 221 General Chemistry I (3), and
CM 221 General Chemistry I Laboratory (1)
- CM 222 General Chemistry II (3), and
CM 222L General Chemistry II Laboratory (1)
- CM 321 Organic Chemistry I (3), and
CM 321L Organic Chemistry I Laboratory (1)
- PH 111 College Physics I (3), and
PH 111L College Physics I Laboratory (1)

School of Health and Science

- PH 112 College Physics II (3), and
PH 112L College Physics II Laboratory (1); or,
PH 211 Physics for Science and Engineering I (3), and
PH 211 Physics for Science and Engineering I Laboratory (1), and
PH 212 Physics for Science and Engineering II (3), and
PH 212L Physics for Science and Engineering II Laboratory (1)

Ecology/Biodiversity Requirements

Quantitative Processes (choose 1):

- MA 151 Survey of Calculus (3)
MA 224 Elementary Statistics (3)
MA 251 Calculus I (4)
PY 364 Experimental Design and Statistical Analysis (3), and
PY 364L Experimental Design and Statistical Analysis Laboratory
(1)

Form and Function (choose 1):

- BI 336 Vertebrate Comparative Anatomy (3), and
BI 336L Vertebrate Comparative Anatomy Laboratory (1)
BI 362 Vertebrate Physiology (3), and
BI 362L Vertebrate Physiology Laboratory (1)

Ecology/Biodiversity (minimum of 12 credits from below)**

Animal Biology (choose 1):

- BI 330 Vertebrate Zoology: Ectotherms (3), and
BI 330L Vertebrate Zoology: Ectotherms Laboratory (1)
BI 332 Vertebrate Zoology: Endotherms (3), and
BI 332L Vertebrate Zoology: Endotherms Laboratory (1)
Or obtain NNU credit for the following Au Sable courses** (see
Department Chair for additional information).
- Marine Mammals (4) - Pacific Rim
 - Marine Invertebrates (4) - Pacific Rim
 - Birds and Mammals of East Africa (4) - Africa
 - Birds and Mammals of South India (4) - India

Plant Biology (choose 1):

- BI 316 Plant Taxonomy (3), and
BI 316L 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
 - Tropical Botany (4) - Africa
 - Plant Ecology (4) - Pacific Rim
 - Forest Ecology (4) - Great Lakes and Pacific Rim

Ecology: Systems and Techniques (choose 1):

BI 424 Field Ecology (3), and

BI 242L 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
- Alpine Ecology: Life in the Context of Snow and Ice (4) - Pacific Rim
- 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, additional math (see above), and Environmental Chemistry (AuS).

*BI 498 must be taken at Northwest Nazarene University.

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

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.

Administrator: Chair, Department of Biology.

Requirements: A total of at least 63 credits in science and math, including 29 in biology with the following required and selected elective courses.

Core Requirements:

BI 221 General Biology I: Foundations of Biological Diversity (3), and

BI 221L General Biology I: Foundations of Biological Diversity Laboratory (1)

School of Health and Science

- BI 222 General Biology II: Foundations of Molecular and Cellular Biology (3), and BI 222L General Biology II: Foundations of Molecular and Cellular Biology Laboratory (1)
- BI 324 Plant and Animal Ecology (3)
- BI 372 Genetics (3), and
BI 372L Genetics Laboratory (1)
- BI 374 Origins (3)
- BI 397 Research (1)
- *BI 498 Senior Seminar (1)
- CM 221 General Chemistry I (3), and
CM 221L General Chemistry I Laboratory (1)
- CM 222 General Chemistry II (3), and
CM 222L General Chemistry II Laboratory (1)
- CM 321 Organic Chemistry I (3), and
CM 321L Organic Chemistry I Laboratory (1)
- PH 111 College Physics I (3), and
PH 111L College Physics I Laboratory (1)
- PH 112 College Physics II (3), and
PH 112L College Physics II Laboratory (1)
- PH 211 Physics for Science and Engineering I (3), and
PH 211 Physics for Science and Engineering I Laboratory (1)
- PH 212 Physics for Science and Engineering II (3), and
PH 212 Physics for Science and Engineering II Laboratory (1)

Pre-Medical Requirements:

- BI 441 Biochemistry I (3), and
BI 441L Biochemistry I Laboratory (1)
- BI 442 Biochemistry II (3)
- CM 322 Organic Chemistry II (3), and
CM 322L Organic Chemistry II Laboratory (1)
- MA 151 Survey of Calculus (3), or
MA 251 Calculus I (4)

Choose a minimum of 9 credits from the following:

- BI 336 Vertebrate Comparative Anatomy (3), and
BI 336L Vertebrate Comparative Anatomy Laboratory (1)
- BI 342 General Microbiology (3), and
BI 342L General Microbiology Laboratory (1)
- BI 346 Cell Biology (3), and
BI 346L Cell Biology Laboratory (1)
- BI 351 Studies in Histology (1)
- BI 352 Developmental Biology (3), and
BI 352L Developmental Biology Laboratory (1)

BI 354 Immunology (3), and

BI 354L Immunology Laboratory (1)

BI 362 Vertebrate Physiology (3), and

BI 362L Vertebrate Physiology Laboratory (1)

BI 382 Pathophysiology (3)

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

- Introduction to Tropical Medicine (4) - Africa

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

BI 350 Bioethics (2)

BI 385 Biological Foundations of Behavior (3), and

BI 385L Biological Foundations of Behavior Laboratory (1)

PL 351 Philosophy of Science (3)

PY 345 Abnormal Psychology (3)

PY 364 Experimental Design and Statistical Analysis (3), and

PY 364L Experimental Design and Statistical Analysis Laboratory (1)

*Must be taken at Northwest Nazarene University.

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

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 – 77 credits: 30 must be numbered above 299

Athletic Training Emphasis – 77 credits: 30 must be numbered above 299

Core Requirements:

BI 201 Human Anatomy and Physiology I (3), and

BI 201L Human Anatomy and Physiology I Laboratory (1)

BI 203 Human Anatomy and Physiology II (3), and

BI 230L Human Anatomy and Physiology II Laboratory (1)

BI 221 General Biology I: Foundations of Biological Diversity (3), and

School of Health and Science

- BI 221L General Biology I: Foundations of Biological Diversity Laboratory (1)
- BI 222 General Biology II: Foundations of Molecular and Cellular Biology (3), and BI 222L General Biology II: Foundations of Molecular and Cellular Biology Laboratory (1)
- CM 221 General Chemistry I (3), and
CM 221L General Chemistry I Laboratory (1)
- CM 222 General Chemistry II (3), and
CM 222L General Chemistry II Laboratory (1)
- KI/BI 196 Clinical Observation (1)
- KI 241 Introduction to Athletic Training and Physical Therapy (2), and
KI 241L Introduction to Athletic Training and Physical Therapy Laboratory (1)
- MA 224 Elementary Statistics (3)
- PH 111 College Physics I (3), and
PH 111L College Physics Laboratory (1)
- PH 112 College Physics II (3), and
PH 112L College Physics II Laboratory (1); or,
PH 211 Physics for Science and Engineering I (3), and
PH 211L Physics for Science and Engineering I Laboratory (1)
- PH 212 Physics for Science and Engineering II (3), and
PH 212L Physics for Science and Engineering II Laboratory (1)
- PY 155 Introduction to Psychology (3)

Physical Therapy Emphasis (19 Credits):

- BI 496 Internship in Physical Therapy (1) (4 required)
- MA 130 College Algebra (3); or,
MA 151 Survey of Calculus (3)
- MA 224 Elementary Statistics (3) or equivalent
- SO 318 Race, Class and Ethnicity (3); or,
SO 334 Sociology of the Family (3)
- PY 210 Lifespan Development (2)
- PY 345 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.

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

Group One

- BI 336 Vertebrate Comparative Anatomy (3), and
BI 336L Vertebrate Comparative Anatomy Laboratory (1)

- BI 342 General Microbiology (3), and
BI 342 General Microbiology Laboratory (1)
- BI 350 Bioethics (2)
- BI 351 Studies in Histology (1)
- BI 362 Vertebrate Physiology (3), and
BI 362L Vertebrate Physiology Laboratory (1)
- BI 372 Genetics (3), and
BI 372L Genetics Laboratory (1)
- CM 321 Organic Chemistry I (3), and
CM 321L Organic Chemistry I Laboratory (1)
- CM 322 Organic Chemistry II (3), and
CM 322L Organic Chemistry II Laboratory (1)

Group Two

- KI 344 Advanced Athletic Training (3)
- KI 360 Motor Development and Motor Learning (2)
- KI 456 Administration and Supervision of HPERA (3)

Athletic Training Emphasis

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

Group One:

- KI 243 Health Issues in Today's Society (3)
- KI 273 Nutrition Across the Lifespan (2)
- KI 296 Field Experience in Kinesiology (1)
- KI 344 Advanced Athletic Training (3)
- KI 360 Motor Development and Motor Learning (2)
- KI 363 Corrective and Adaptive Physical Education (2)
- KI 364 Physiology and Exercise and Biomechanics (3)
- KI 495 Internship in Athletic Training (1) (3 required)

Group Two:

Choose two (2) courses from the following:

- BI 336 Vertebrate Comparative Anatomy (3), and
BI 336L Vertebrate Comparative Anatomy Laboratory (1)
- BI 342 General Microbiology (3), and
BI 342L General Microbiology Laboratory (1)
- BI 350 Bioethics (2)
- BI 362 Vertebrate Physiology (3), and
BI 362L Vertebrate Physiology Laboratory (1)
- CM 321 Organic Chemistry I (3), and
CM 321L Organic Chemistry I Laboratory (1)
- CM 322 Organic Chemistry II (3), and
CM 322L 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: 45-47 credits in science and mathematics including 32-34 credits in biology with the following core, required and selected elective courses.

Core Requirements:

- BI 221 General Biology I: Foundations of Biological Diversity (3), and
BI 221L General Biology I: Foundations of Biological Diversity
Laboratory (1)
- BI 222 General Biology II: Foundations of Molecular and Cellular Biology
(3), and
BI 222L General Biology II: Foundations of Molecular and Cellular
Biology Laboratory (1)
- BI 324 Plant and Animal Ecology (3)
- BI 372 Genetics (3), and
BI 372L Genetics Laboratory (1)
- BI 374 Origins (3)
- CM 120 Chemistry for Citizens (3)
- CM 121 Principles of Organic and Biochemistry (3), and
CM 121L Principles of Organic and Biochemistry Laboratory (1)
- MA 130 College Algebra (3)
- MA 224 Elementary Statistics

Form and Function (choose 1):

- BI 201 Human Anatomy and Physiology I (3), and
BI 201L Human Anatomy and Physiology I Laboratory (1)
- BI 203 Human Anatomy and Physiology II (3), and
BI 203L Human Anatomy and Physiology II Laboratory (1)
- BI 336 Vertebrate Comparative Anatomy (3), and
BI 336L Vertebrate Comparative Anatomy Laboratory (1)
- BI 362 Vertebrate Physiology (3), and
BI 362L Vertebrate Physiology Laboratory (1)

Plant and Animal Biology (choose 1):

BI 316 Plant Taxonomy (3), and

BI 316L Plant Taxonomy Laboratory (1)

BI 330 Vertebrate Zoology: Ectotherms (3), and

BI 330L Vertebrate Zoology: Ectotherms Laboratory (1)

BI 332 Vertebrate Zoology: Endotherms (3), and

BI 332L Vertebrate Zoology: Endotherms Laboratory (1)

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

- Marine Mammals (4) - Pacific Rim
- Marine Invertebrates (4) - Pacific Rim
- Birds and Mammals of East Africa (4) - Africa
- Birds and Mammals of South India (4) - India
- Woody Plants (4) - Great Lakes
- Tropical Botany (4) - Africa

Ecology (choose 1):

BI 424 Field Ecology (3), and

BI 424L Field Ecology Laboratory (1)

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

- Wildlife Ecology (4) - Pacific Rim
- Plant Ecology (4) - Pacific Rim
- Alpine Ecology: Life in Context of Snow and Ice (4) - Pacific Rim
- Tropical Mountain Ecology (4) - India
- Restoration Ecology (4) - Pacific Rim
- Forest Ecology (4) - Great Lakes and Pacific Rim
- Wetland Ecology (4) - Great Lakes

Cellular and Molecular Biology (choose 1):

BI 342 General Microbiology (3), and

BI 342L General Microbiology Laboratory (1)

BI 346 Cell Biology (3), and

BI 346L Cell Biology Laboratory (1)

BI 352 Developmental Biology (3), and

BI 352L Developmental Biology Laboratory (1)

BI 354 Immunology (3), and

BI 354L Immunology Laboratory (1)

Additional recommended classes include: Earth Science, additional math (see above) and Environmental Chemistry (Au Sable).

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

BIOLOGY EDUCATION

See Secondary Education: First Teaching Field: Biology

MINOR

ENVIRONMENTAL SCIENCE

Objective: To provide the student with an introduction to a Christian stewardship view of environmental science which supports their major field of study and the university's philosophy: "Students will grow to understand and appreciate the human responsibility in God's creation."

Administrator: Chair, Department of Biology

Requirements: 24-28 credits, of which 12 must be above 299 and which includes at least three courses through Au Sauble Institute of Environmental Studies.

BI 324 Plant and Animal Ecology (3)

BI 397 Research (1); or,

CM 497 Research (1) (2 required)

BI 424 Field Ecology (3)

BI 498 Senior Seminar (1); or,

CM 498 Senior Seminar (1)

Eight to twelve credits at Au Sable (8-12)

Ten credits taken in consultation with major advisor (10)

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

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.**

- CM 221 General Chemistry I (3), and
CM 221L General Chemistry I Laboratory (1)
- CM 222 General Chemistry II (3), and
CM 222L General Chemistry II Laboratory (1)
- CM 261 Analytical Chemistry (3), and
CM 261L Analytical Chemistry Laboratory (1)
- CM 294, 394, or 494 Topics in Chemistry (1 each)
- CM 321 Organic Chemistry I (3), and
CM 321L Organic Chemistry I Laboratory (1)
- CM 322 Organic Chemistry II (3), and
CM 322L Organic Chemistry II Laboratory (1)
- CM 331 Inorganic Chemistry (3)
- CM 351 Thermodynamics and Kinetics (3)
- CM 362 Integrated Laboratory I (1)
- CM 461 Integrated Laboratory II (1)
- * CM 497 Research (1)
- ** CM 498 Senior Seminar (1)
- MA 251, 252 Calculus I, II (4 each)
- PH 211 Physics for Science and Engineering I (3), and
PH 211L Physics for Science and Engineering I Laboratory (1)
- PH 212 Physics for Science and Engineering II (3), and
PH 212L Physics for Science and Engineering II Laboratory (1)

Chemistry Emphasis (9-11 credits):

CM 471 Structure Elucidation (3)
PH 313 Modern Physics (3), and
PH 313L Modern Physics Laboratory (1); or,
PH 481 Fundamentals of Quantum Mechanics (3)

Choose one of the following:

BI 441 Biochemistry I (3), and
BI 441L Biochemistry I Laboratory (1)
CM 472 Advanced Organic Chemistry (3)
PH 472 Solid State Physics (3)

Biochemistry Emphasis (11 credits):

BI 222 General Biology II: Foundations of Molecular and Cellular
Biology (3), and
BI 222L General Biology II: Foundations of Molecular and
Cellular Biology Laboratory (1)
BI 441 Biochemistry I (3), and
BI 441L Biochemistry I (1)
BI 442 Biochemistry II (3)

Environmental Chemistry Emphasis (10 credits):

BI 221 General Biology I: Foundations of Biological Diversity (3), and
BI 221L General Biology I: Foundations of Biological Diversity
Laboratory (1)
BI 324 Plant and Animal Ecology (3); or,
*approved Ecology course; or,
***Environmental chemistry or water quality course (3)

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 CM 497 will be allowed toward the major.

**CM 498 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:

- CM 221 General Chemistry I (3), and
CM 221L General Chemistry I Laboratory (1)
- CM 222 General Chemistry II (3), and
CM 222L General Chemistry II Laboratory (1)
- CM 261 Analytical Chemistry (3), and
CM 261L Analytical Chemistry (1)
- CM 294, 394 or 494 Topics in Chemistry (1 each)
- CM 321 Organic Chemistry I (3), and
CM 321L Organic Chemistry I Laboratory (1)
- CM 322 Organic Chemistry II (3), and
CM 322L Organic ChemistryII Laboratory (1)
- CM 331 Inorganic Chemistry (3)
- CM 351 Thermodynamics and Kinetics (3)
- CM 362 Integrated Laboratory I (1)
- CM 461 Integrated Laboratory II (1)
- * CM 497 Research (1)
- ** CM 498 Senior Seminar (1)
- MA 151 Survey of Calculus (3)
- PH 111 College Physics I (3), and
PH 111L College Physics I Laboratory (1)
- PH 112 College Physics II (3), and
PH 112L College Physics II Laboratory (1)

*A minimum of one credit is required, but a maximum of six credits in CM 497 will be allowed toward the major.

**CM 498 must be taken at Northwest Nazarene University.

CHEMISTRY EDUCATION

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

DEPARTMENT OF KINESIOLOGY

Faculty: Kimberly Forseth (Department Chair), 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

Administrator: Chair, Kinesiology Department

Requirements: 49-50 credits, including completion of core courses (34) credits and one area of emphasis 15-16 credits, 34 credits in Kinesiology of which 18 shall be numbered above 299. All majors are required to pass fitness component tests as set forth by the Kinesiology Department.

Core courses:

KI 131 Introduction to Recreation and Kinesiology (3)

- KI 124 Lifeguarding (1) (or Current Certification)
- KI 264 Kinesiology Majors Activity Laboratory (1) (6 required)
- KI 275 Outdoor Pursuits (2)
- KI 285 Camp Administration and Outdoor Education (3)
- KI 296 Field Experience in Kinesiology (1)
- KI 363 Corrective and Adaptive Physical Education (2)
- KI 364 Exercise Physiology and Biomechanics (3)
- KI 396 Field Experience in Kinesiology/Recreation (1)
- KI 486 Recreation Management and Facilities Planning (3)
- KI 496a,b Recreation and Sport Internship (3) (6 credit hours required)
- BU 364 Principles of Management (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.

Athletic Training Emphasis (15-16 credits):

*This area of emphasis is not a NATA (National Athletic Trainers Association) curriculum approved course of study. Students pursuing an Athletic Training emphasis are encouraged to consider an approved graduate degree program in athletic training in order to qualify to take the NATA certifying examination.

- BI 201 Human Anatomy and Physiology I (3), and
BI 210L Human Anatomy and Physiology I Laboratory (1)
- BI 203 Human Anatomy and Physiology II (3), and
BI 203L Human Anatomy and Physiology II Laboratory (1)
- KI 196 Clinical Observation (1)
- KI 241 Introduction to Athletic Training and Physical Therapy (3)
- KI 243 Health Issues in Today's Society (3)
- KI 273 Human Nutrition (2)
- KI 344 Advanced Athletic Training (3)
- KI 360 Motor Development and Motor Learning (2)
- KI 364 Exercise Physiology/Biomechanics (3)
- KI 456 Administrative Supervision of HPERA (3)

Kinesiology/Coaching Emphasis (14-16 credits):

(Selected 14-16 credits from the list below)

- BI 201 Human Anatomy and Physiology I (3), and
BI 201L Human Anatomy and Physiology I Laboratory (1)
- KI 241 Introduction to Athletic Training and Physical Therapy (3)
- KI 273 Human Nutrition (3)
- KI 338 Teaching Physical Education in the Elementary Schools (2)
- KI 344 Advanced Athletic Training (3)
- KI 356 Psychology and Techniques of Coaching (3)

School of Health and Science

- KI 360 Motor Development and Motor Learning (2)
- KI 364 Physiology of Exercise and Biomechanics (3)
- KI 456 Administration and Supervision of HPERA (3)

Sport Management Emphasis (15 credits):

(Select 15 credits from the list below)

- AC 106 Financial Accounting (3)
- BU 217 Computer Applications in Business (3)
- BU 351 Principles of Marketing (3)
- BU 353 Marketing Communications (3) prerequisite-BU 351
- BU 365 Human Resource Management (3)
- BU 381 Business Ethics (3)
- BU 461 Entrepreneurship (3)
- EC 241 Microeconomic Analysis (3)
- EC 415 Financial Economics (3)

Outdoor Recreation Emphasis (14-16 credits):

(Five courses selected from:)

- BI 103 Earth Science (3), and
BI 103L Earth Science Laboratory (1)
- BI 316 Plant Taxonomy (3), and
BI 316L Plant Taxonomy Laboratory (1)
- BI 324 Plant and Animal Ecology (3)
- BI 330 Vertebrate Zoology: Ectotherms (3), and
BI 330L Vertebrate Zoology: Ectotherms Laboratory (1)
- BI 332 Vertebrate Zoology: Endotherms (3), and
BI 332L Vertebrate Zoology: Endotherms Laboratory (1)
- BI 420 Birds of Prey (3)
- CM 106 Chemistry for Citizens (3), and
CM 106L Chemistry for Citizens Laboratory (1)
- KI 494 Special Topics: Adventure Counseling (2)
- PH 106 Descriptive Astronomy (3), and
PH 106L Descriptive Astronomy Laboratory (1)

KINESIOLOGY EDUCATION

See Secondary Education: First Teaching Field, Second Teaching Field, Health Education: Kinesiology

DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

Faculty: Edward Korntved (Department Chair), Robert DeCloss, Gary Ganske, Barry Myers, Kenneth Yoder

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

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: 62-63 credits, including 42 in computer science

- CS 122 Introduction to Computer Science (3)
- CS 222 Computer Programming in C++ (3), and
CS 222L Computer Programming in C++ Laboratory (1)
- CS 226 Event-Driven Programming (3), and
CS 226L Event-Driven Programming Laboratory (1)
- CS 263 Assembly Language Programming (3)
- CS 275 Data Structures (3)
- CS 333 Database Design and Programming (3), and
CS 333L Database Design and Programming Laboratory (1)

- CS 337 Systems Analysis and Design (3)
- CS 343, 344 Operating Systems and Compilers I, II (3, 3)
- CS 363, 364 Networks and Data Communications I, II (3, 3)
- CS 397 Introduction to Senior Project (1)
- CS 468 Software Development Project (4)
- *CS 498 Senior Seminar (1)
- MA 231 Discrete Mathematics (3)
- MA 251, 252 Calculus I, II (4, 4)
- MA 324 Probability and Statistics I (3)
- MA 332 Linear Algebra (3)

One course from:

- MA 325 Probability and Statistics II (3)
- MA 328 Modeling and Operations Research (3)
- MA 354 Differential Equations (3)
- MA 356 Numerical Analysis (3)
- MA 432 Modern Algebra (4)

*Course must be taken at Northwest Nazarene University.

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 299

- MA 231 Discrete Mathematics (3)
- MA 251, 252, 353 Calculus I, II, III (4, 4, 3)
- MA 324 Probability and Mathematical Statistics I (3)
- MA 331 Introduction to Abstract Mathematics (3)
- MA 332 Linear Algebra (3)
- MA 354 Differential Equations (3)
- MA 432 Modern Algebra (4)
- MA 451 Introduction to Real Analysis (4)

Choose one of the following options:

- MA 325 Probability and Statistics II (3), and
MA 452 Introduction to Real Analysis (2); or,
- MA 433 Modern Algebra (2), and
MA 452 Introduction to Real Analysis (2)
- CS 122 Introduction to Computer Science (3)
- PH 111 College Physics I (3), and

- PH 111L College Physics I Laboratory (1); or,
- PH 211 Physics for Science and Engineering I (3), and
- PH 211L Physics for Science and Engineering I (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: 65 credits including 36 in computer science

- CS 122 Introduction to Computer Science (3)
 - CS 222 Computer Programming in C++ (3), and
 - CS 222L Computer Programming in C++ Laboratory (1)
 - CS 226 Event-Driven Programming (3), and
 - CS 226L Event-Driven Programming Laboratory (1)
 - CS 263 Assembly Language Programming (3)
 - CS 275 Data Structures (3)
 - CS 333 Database Design and Programming (3), and
 - CS 333L Database Design and Programming (1)
 - CS 337 Systems Analysis and Design (3)
 - CS 363, 364 Networks and Data Communications I, II (3, 3)
 - CS 397 Introduction to Senior Project (1)
 - CS 468 Software Development Project (4)
 - *CS 498 Senior Seminar (1)
 - MA 151 Survey of Calculus (3)
 - MA 224 Elementary Statistics (3)
 - MA 231 Discrete Mathematics (3)
- Twenty credits in a specific area of concentration approved by the Department Chair.

*Course must be taken at Northwest Nazarene University.

COMPUTER SCIENCE EDUCATION

See Secondary Education: Second Teaching Field: Computer Science

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.

- CS 122 Introduction to Computer Science (3)
- MA 231 Discrete Mathematics (3)
- MA 251, 252, 353 Calculus I, II, III (4, 4, 3)
- MA 324 Probability and Statistics I (3)
- MA 331 Introduction to Abstract Mathematics (3)
- MA 332 Linear Algebra (3)
- MA 354 Differential Equations (3); or,
 - MA 451 Introduction to Real Analysis (4)
- MA 432 Modern Algebra (4)

Option A:

Requirements: 46-47 credits including 36-37 in mathematics of which 25-26 shall be numbered above 299

- MA 328 Modeling and Operations Research (3)
- MA 356 Numerical Analysis (3); or,
 - MA 325 Probability and Statistics II (3)
- CS 222 Programming in C++ (3), and
 - CS 222L Programming in C++ Laboratory (1)
- CS 275 Data Structures (3)

Option B:

Requirements: 49-50 credits including 33-34 in mathematics of which 22-23 shall be numbered above 299

- MA 328 Modeling and Operations Research (3)
- Nine credits of approved business/economics courses
- PH 111 College Physics I (3), and
 - PH 111L College Physics I Laboratory (1); or,
 - PH 211 Physics for Science and Engineering I (3), and
 - PH 211L Physics for Science and Engineering I Laboratory (1)

Students who plan to do graduate study are advised to acquire a reading knowledge of German or French.

MATHEMATICS EDUCATION

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

MINORS

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: 24-25 credits, including 11 upper-division credits. Every student must complete the following:

- CS 122 Introduction to Computer Science (3)
- CS 222 Computer Programming in C++ (3), and
CS 222L Computer Programming in C++ Laboratory (1)
- CS 226 Event-Driven Programming (3), and
CS 226L Event-Driven Programming Laboratory (1)
- CS 275 Data Structures (3)
- CS 333 Database Design and Programming (3), and
CS 333L Database Design and Programming Laboratory (1)
- CS 337 Systems Analysis and Design (3)
- One additional CS-prefixed course numbered 300 or above

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.

- MA 251 Calculus I (4)
- MA 252 Calculus II (4)
- MA 332 Linear Algebra (3)

Option 1:

- MA 331 Introduction to Abstract Mathematics (3)
- MA 432 Modern Algebra (4); or,
MA 451 Introduction to Real Analysis (4)

School of Health and Science

MA 324 Probability and Statistics I (3); or,
MA 356 Numerical Analysis (3)

Option 2:

Three of the following courses:

MA 328 Modeling and Operations Research (3)
MA 353 Calculus III (3)
MA 354 Differential Equations (3)
MA 356 Numerical Analysis (3)

DEPARTMENT OF NURSING

Faculty: Patricia Kissell (Dept. Chair), Carol Bett, Barbara Lester, Cherié Richards, Joanne Springer, Ginger Wolgemuth

Learning Objectives:

1. Graduates of the Department of Nursing will manifest values reflective of the character of God; evaluate ethical principles in health care, and role model a commitment of service to others. (Christ-like Character and Social Responsiveness)
2. Graduates of the Department of Nursing will evaluate the varying needs of diverse persons and communities across the lifespan; role model sensitivity in interactions with diverse persons and communities; communicate effectively with a diversity of health care recipients and health care providers, and collaborate effectively across disciplines. (Creative Engagement and Social Responsiveness)
3. Graduates of the Department of Nursing will design and employ strategies of health promotion, maintenance and restoration for individuals, families, groups and communities. (Creative Engagement)
4. Graduates of the Department of Nursing will evaluate self and others as members of the profession; role model scholarly approaches in the practice of nursing; incorporate technical skills into professional nursing practice, and evaluate critical thinking in professional nursing practice. (Academic Excellence and Social Responsiveness)

MAJOR

BACHELOR OF SCIENCE:

NURSING

PROGRAM GOALS

The goals of the Department of Nursing are to:

- Facilitate students in intellectual development, emphasize academic excellence and provide a foundation for professional nursing in the arts and sciences.
- Prepare graduates to function as leaders in the profession of nursing.
- Promote a Christ-like perspective and Christian worldview by facilitating the integration of faith and belief into the educational process.

Administrator: Chair, Department of Nursing

Requirements for Admission to the Professional Nursing Program

1. Submission of an *Application for Admission to the Professional Nursing Program*.
2. Minimum grade of “C” in courses listed as prerequisite to the Professional Nursing Program.
3. Cumulative GPA of 2.75 on a scale of 4.0 (*based on the Department of Nursing Plan of Study*).
4. Completion of Nurse Entrance Test (NET). Minimum of high school level math and reading composite scores required.
5. Meet health requirements.

Prerequisite Courses for Admission to the Professional Nursing Program

Applicants to the Professional Nursing Program will be accepted based on successful completion or concurrent enrollment in the following 9 prerequisite courses. Full-admission to the nursing program will be based on successful completion of all prerequisite courses.

Minimum grade of “C” required:

- BI 201 Human Anatomy and Physiology I (3), and
BI 201L Human Anatomy and Physiology I Laboratory (1)
- BI 203 Human Anatomy and Physiology II (3), and
BI 203L Human Anatomy and Physiology II Laboratory (1)
- CM 121 Principles of Organic and Biochemistry (3), and
CM 121L Principles of Organic and Biochemistry Laboratory (1)
- EN 102 English Composition (3)
- PY 155 Introduction to Psychology (3)
- SO 155 Introduction to Sociology (3)

Pre-Nursing Prerequisite Course 2 credits:

Completion of/or enrollment in the following pre-nursing course (or equivalents).
Minimum grade of “C” (73%) required:

- NU 100 Introduction to the Profession of Nursing (2)

School of Health and Science

The following courses are taken concurrently with the nursing program:

Minimum grade of "C minus" required:

- BI 242 Microbiology (3), and
- BI 242L Microbiology Laboratory (1)
- EN 202 Research Writing and Critical Thinking (3)
- KI 273 Human Nutrition (2)
- PY 210 Lifespan Development (3)
- MA 224 Elementary Statistics (3)
- BI 382 Pathophysiology (3)

Professional Nursing Courses 50 credits:

Minimum grade of "C" (73%) required:

- NU 100 Introduction to the Profession of Nursing (2)
- NU 200 Family Health I (5)
- NU 203 Family Health II (5)
- NU 210 Medical Terminology Online (1)
- NU 300 Focused Family Care (6)
- NU 302 Family Mental Health (3)
- NU 303 The Family with Acute and Chronic Health Needs (6)
- NU 400 The Family with Complex Health Needs (7)
- NU 401 The Family Within the Community (5)
- NU 402 Leadership and Management in Professional Nursing (7)
- NU 403 Nursing Research (3)

Refer to this catalog for the Standard General Education requirements.

DEPARTMENT OF PHYSICS AND ENGINEERING

Faculty: Dan Lawrence (Department Chair), William Packard

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 either 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.

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. (*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*)

MAJORS

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

Requirements: 73 credits including 21 in engineering and 30 in physics of which 32 shall be numbered above 299

- EG 101 Introduction to Engineering (3)
- EG 105 Engineering Graphics and Design (3)
- EG 210 Engineering Statics (3)
- EG 343 Mechanics of Materials (3)
- EG 362 Analog Electronics (3), and
EG 362L Analog Electronics Laboratory (1)
- EG 363 Digital Electronics (3), and
EG 363L Digital Electronics Laboratory (1)
- EG 497 Senior Seminar Project (1)*

School of Health and Science

- MA 251, 252 Calculus I, II (4, 4)
- MA 324 Probability and Statistics I (3)
- MA 353 Calculus III (3)
- MA 354 Differential Equations (3)
- MA 356 Numerical Analysis (3)
- PH 211 Physics for Science and Engineering I (3), and
PH 211L Physics for Science and Engineering I Laboratory (1)
- PH 212 Physics for Science and Engineering II (3), and
PH 212L Physics for Science and Engineering II Laboratory (1)
- PH 231 Instrumentation in Experimental Physics I (1)
- PH 232 Instrumentation in Experimental Physics II (1)
- PH 313 Modern Physics (3), and
PH 313L Modern Physics Laboratory (1)
- PH 341 Analytic Mechanics (3)
- PH 342 Vibrations and Waves (3)
- PH 351 Thermodynamics and Statistical Mechanics (3)
- PH 461 Electricity and Magnetism (3)
- PH 472 Solid State Physics (3)
- ** PH 498 Senior Seminar (1)
- PL 351 Philosophy of Science (2)

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 a college level CS 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.

EC 241 Microeconomic Analysis (3)

EC 242 Macroeconomic Analysis (3)

For students pursuing a career in the microelectronics industry, PH 481 Fundamentals of Quantum Mechanics and CM 221/222 General Chemistry I & II are strongly recommended.

*A minimum of one credit is required, but a maximum of three credits in EG 497 will be allowed toward the major.

**Course must be taken at Northwest Nazarene University.

PHYSICS

Objective: To prepare students for graduate school or industry.

Administrator: Chair, Department of Physics

Requirements: 64 credits including 34 in physics of which 24 shall be numbered above 299

- CM 221 General Chemistry I (3), and
CM 221L General Chemistry I Laboratory (1)
- CM 222 General Chemistry II (3), and
CM 222L General Chemistry II Laboratory (1)
- MA 251, 252 Calculus I, II (4 each)
- MA 324 Probability and Statistics I (3)
- MA 353 Calculus III (3)
- MA 354 Differential Equations (3)
- MA 356 Numerical Analysis (3)
- PH 211 Physics for Science and Engineering I (3), and
PH 211L Physics for Science and Engineering I Laboratory (1)
- PH 212 Physics for Science and Engineering II (3), and
PH 212L Physics for Science and Engineering II Laboratory (1)
- PH 231 Instrumentation in Experimental Physics I (1)
- PH 232 Instrumentation in Experimental Physics II (1)
- PH 313 Modern Physics (3), and
PH 313L Modern Physics Laboratory (1)
- PH 341 Analytic Mechanics (3)
- PH 342 Vibrations and Waves (3)
- PH 351 Thermodynamics and Statistical Mechanics (3)
- PH 461 Electricity and Magnetism (3)
- PH 472 Solid State Physics (3)
- PH 481 Fundamentals of Quantum Mechanics (3)
- * PH 497 Research (1)
- ** PH 498 Senior Seminar (1)
- PL 351 Philosophy of Science (2)

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 a college level CS language class.

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

- EG 362 Analog Electronics (3), and
EG 362L Analog Electronics Laboratory (1)

School of Health and Science

EG 363 Digital Electronics (3), and
EG 363L Digital Electronics Laboratory (1)
MA 332 Linear Algebra (3)

*A minimum of one (1) credit in PH 497 is required, but a maximum of three (3) credits will be allowed toward the major.

**Course 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

Requirements: 55 credits including 21 in physics of which 13 shall be numbered above 299

PH 211 Physics for Science and Engineering I (3), and
PH 211L Physics for Science and Engineering I Laboratory (1)
PH 212 Physics for Science and Engineering II (3), and
PH 212L Physics for Science and Engineering II Laboratory (1)
PH 313 Modern Physics (3), and
PH 313L Modern Physics Laboratory (1)
Nine elective upper division credits in physics (9)
CM 221 General Chemistry I (3), and
CM 221L General Chemistry I Laboratory (1)
CM 222 General Chemistry II (3), and
CM 222L General Chemistry II Laboratory (1)
MA 251, 252 Calculus I, II (4, 4)
MA 353 Calculus III (3)
MA 354 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 299.

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.

- PH 211 Physics for Science and Engineering I (3), and
PH 211L Physics for Science and Engineering I Laboratory (1)
- PH 212 Physics for Science and Engineering II (3), and
PH 212L Physics for Science and Engineering II Laboratory (1)
- PH 313 Modern Physics (3), and
PH 313L Modern Physics Laboratory (1)

Choose two courses from the following:

- PH 341 Analytic Mechanics (3)
- PH 342 Vibrations and Waves (3)
- PH 351 Thermodynamics and Statistical Mechanics (3)
- PH 461 Electricity and Magnetism (3)
- PH 472 Solid State Physics (3)
- PH 481 Fundamentals of Quantum Mechanics (3)



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

Philosophy

Philosophy and Religion (Interdepartmental)

Department of Religion

Christian Ministry

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.

School of Theology and Christian Ministries

MINISTERIAL PREPARATION

The School of Theology and Christian Ministries provides oversight and guidance to all students preparing for Christian 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 (PT 171, 296, 321, 396, 496) 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.

MINISTERIAL STANDING

Ministerial Standing encourages the highest possible standards in students planning to enter vocational ministry. Prior to achieving Ministerial Standing, a student is considered to be in ministry *exploration*. Ministerial Standing is mandatory for admission to the program of ministry preparation. 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).

Students are eligible to apply for Ministerial Standing in the spring semester of their sophomore year and each year thereafter. Achieving Ministerial Standing involves a process of application, submission of critical assignments in ministerial training, character references from peers, NNU faculty, and pastors, and an annual interview with a faculty team from the STCM. Students not qualifying for Ministerial Standing will be given clear feedback and encouraged to reapply the following year.

Ministerial Standing must be achieved in order to meet ordination requirements in the Church of the Nazarene. Further, Ministerial Standing will be strongly considered in awarding Religion Department scholarships as well as in making recommendations to local churches, district superintendents, and graduate schools.

Ministerial Standing will be withdrawn if the student fails to enroll at NNU for a period of three consecutive semesters, or does not maintain a 2.50 cumulative GPA, or receives an unfavorable recommendation from a faculty interview or field experience/internship. A student must receive a favorable recommendation from the Dean of the School and must wait one semester before re-applying for ministerial standing.

Because of the increasing complexity of ministry in modern society, the School and the Church of the Nazarene strongly encourage all ministerial students to prepare themselves well and complete a seminary education. When that is uncertain, the student may select the Christian Ministry major with an appropriate minor and proceed directly into ministry following graduation.

DEPARTMENT OF PHILOSOPHY

Faculty: Robert Thompson (Department Chair), Edwin Crawford, Thomas Oord.

Department Objectives: The Department of Philosophy serves general students, intra-school and inter-school 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 MAJOR

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: Edwin Crawford

Requirements: 30 credits of which 24 shall be numbered above 299

- PL 201 Introduction to Philosophy (3)
- PL 202 Ethics (3)
- PL 301 History of Ancient and Medieval Philosophy (3)
- PL 302 History of Modern Philosophy (3)
- PL 306 Critical Reasoning (2)

School of Theology and Christian Ministries

- PL 307 Formal Logic (2)
- PL 421 Contemporary Philosophy (3)
- PL 498 Seminar in Philosophy (3)
- Elective upper division philosophy credits (8)

Recommended:

Completion of the intermediate level of a foreign language.

PHILOSOPHY AND RELIGION MAJOR

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: Robert Thompson

Requirements: 52 credits

- BL 311 Old Testament Interpretation (3)
- BL 312 New Testament Interpretation (2)
- CH 361 History of the Christian Tradition I (3)
- CH 362 History of the Christian Tradition II (3)
- PL 202 Ethics (3)
- PL 301 History of Ancient and Medieval Philosophy (3)
- PL 302 History of Modern Philosophy (3)

One of the following two:

- PL 306 Critical Reasoning (2)
- PL 307 Formal Logic (2)
- PL 452 Philosophy of Religion (3)
- PT 321 Spiritual Formation and Christian Discipleship (2)
- PT 375 Urban Ministries (2)
- TH 424 Theology of Holiness (2)
- TH 453 Christian Theology I (3)
- TH 454 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, Robert Thompson, or Diane Leclerc.

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

2 courses in biblical languages (6)

Upper division courses in Biblical Literature (BL), RS 440 Ancient Near Eastern History and Culture, or RS 460 Noncanonical Writings and New Testament Interpretation (6)

Philosophy Focus (PL) (Robert Thompson, Advisor)

- PL 341 Philosophy and Literature of Existentialism (3)
- PL 421 Contemporary Philosophy (3)
- PL 442 Metaphysics and Epistemology (3)
- PL 498 Seminar in Philosophy (3)

Theology Focus (TH) (Diane Leclerc, Advisor)

- TH 341 Philosophy and Literature of Existentialism (3)
- TH 394 Topics in Theology (3)
- RS 356 World Religions: Asian Traditions (2)
- RS 357 World Religions: Western Traditions (2)
- RS 460 Noncanonical Writings and New Testament Interpretation (2)

MINOR

PHILOSOPHY (15 CREDITS)

Administrator: Edwin Crawford

Objective: Students who graduate with this minor will receive an introduction to the field of philosophy, and will be able to relate elements of its historical development and recognize and apply principles of sound reasoning.

Requirements:

- PL 201 Introduction to Philosophy (3)
- Two of the following:
 - PL 301 History of Ancient and Medieval Philosophy (3)
 - PL 302 History of Modern Philosophy (3)
 - PL 421 Contemporary Philosophy (3)
- PL 307 Formal Logic (2)
- Electives selected in consultation with advisor (4)

DEPARTMENT OF RELIGION

Faculty: Carol Rotz (Department Chair), Jay Akkerman, Wendell Bowes, Rhonda Carrim, Edwin Crawford, Mike Kipp, Diane Leclerc, George Lyons, Mark Maddix, Thomas Oord

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

Graduates of the Department and general education students will:

School of Theology and Christian Ministries

- a. arrive at a knowledge of the Bible, the rich heritage of the Christian faith, and Christian values;
- b. develop a world view consonant with both reason and revelation;
- c. develop a sense of obligation to apply Christian principles to contemporary socio-cultural problems; and
- d. 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 MAJOR

Objective: This major prepares students to go directly into ministry after graduation. With the addition of a departmental minor it 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 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 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: 53 credits plus an approved minor

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

- BL 111 Introduction to Biblical Studies (3)
- BL 300 level elective (3)
- CO 121 Fundamentals of Public Speaking (2)
- EN 102 English Composition (3)
- HU 101 Cornerstone (3)
- PL 202 Ethics (3)
- PY 155 Introduction to Psychology (3)
- TH 211 Introduction to Christian Theology (3)

Core Courses:

- BL 311 Old Testament Interpretation (3)
- BL 312 New Testament Interpretation (2)
- BL 400 level elective (2)
- CE 181 Introduction to Christian Education (3)
- GK 211 Elementary New Testament Greek (3); or,
HB 211 Biblical Hebrew (3)
- CH 241 History and Manual, Church of the Nazarene (2) (Non-Nazarene students may select an alternate course with advisor's approval)
- CH 361 History of the Christian Tradition I (3)
- CH 362 History of the Christian Tradition II (3)
- PL 301 History of Ancient and Medieval Philosophy (3); or,
PL 302 History of Modern Philosophy (3)
- PL 306 Critical Reasoning (2)
- PT 171 Introduction to Christian Ministry (1)
- PT 240 Introduction to Christian Missions (3)
- PT 296 Field Experience in Christian Ministry (1)
- PT 310 Pastoral Theology (2)
- PT 321 Spiritual Formation and Christian Discipleship (2)
- PT 322 Worship Theory and Development (2)
- PT 371 Preaching (2)
- PT 471 Church Growth and Health (2)
- PT 482 Pastoral Leadership (2)
- TH 424 Theology of Holiness (2)
- TH 453 Christian Theology I (3)
- TH 454 Christian Theology II (3)

MINORS

School of Theology and Christian Ministries

Minors in the Department of Religion serve two purposes:

1. Combined with the Christian Ministry major, a minor equips students for focused ministry.
2. The minors provide an introduction to focused ministry areas for non-departmental 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.

BIBLE (15 CREDITS)

Administrator: Wendell Bowes

Requirements:

Upper division courses in biblical literature (BL), RS 440, or RS 460 (10 cr. required)

EN 353 The Bible as Literature (3)

CE 222 Instructional Bible Study (2)

Recommended:

BL 311 Old Testament Interpretation (3)

BL 312 New Testament Interpretation (2)

BIBLICAL LANGUAGES (16-19 CREDITS)

Administrator: George Lyons

Requirements:

GK 211, 212 Elementary New Testament Greek (3 each)

GK 301 Intermediate New Testament Greek (3)

GK 352 New Testament Greek Exegesis (2) (4 cr. required)

HB 211, 212 Biblical Hebrew (3 each)

Recommended:

BL 311 Old Testament Interpretation (3)

BL 312 New Testament Interpretation (2)

CHILDREN'S MINISTRIES (15-16 CREDITS)

Administrator: Mike Kipp

This minor with the Christian Ministry major fulfills the educational requirements for ordination in the Church of the Nazarene.

Requirements:

- CE 222 Instructional Bible Study (2)
- CE 294 Topics in Christian Ministries (1)
- CE 381 Children's Ministries (2)
- PT 375 Compassionate Ministries (2)
- PT 388 Camping and Recreation Ministry (2)
- PT 476 Communicating the Gospel (2)

Foundations: (required of non-Christian Ministry majors)

- CE 181 Introduction to Christian Education (3)
- PT 321 Spiritual Formation and Christian Discipleship (2)

Practicum: (required of Christian Ministry majors)

- PT 396 Field Experience in Christian Ministries (1)
- PT 496 Internship in Ministry (3)

Recommended:

- PT 171 Introduction to Christian Ministry (1)
- PY 210 Lifespan Development (3)

CHRISTIAN EDUCATION (16-18 CREDITS)

Administrator: Mark Maddix

This minor with the Christian Ministry major fulfills the educational requirements for ordination in the Church of the Nazarene.

Requirements:

- CE 222 Instructional Bible Study (2)
- CE 294 Topics in Christian Ministries (1)
- CE 381 Children's Ministries (2); or,
CE 382 Youth Ministries (2)
- CE 383 Adult Ministries (2)
- PT 375 Compassionate Ministries (2)
- PT 388 Camping and Recreation Ministry (2)
- PT 396 Field Experience in Christian Ministries (1)

Foundations: (required of non-Christian Ministry majors)

- CE 181 Introduction to Christian Education (3)
- PT 321 Spiritual Formation and Christian Discipleship (2)

Practicum: (required of Christian Ministry majors)

- PT 496 Internship in Ministry (3)

Recommended:

- PT 171 Introduction to Christian Ministry (1)
- PT 482 Pastoral Leadership (3)

School of Theology and Christian Ministries

MISSIONS (16-19 CREDITS)

Administrator: Carol Rotz

This minor with the Christian Ministry major fulfills the educational requirements for ordination in the Church of the Nazarene.

Requirements:

- CO 203 Interpersonal Communication (3)
- SO 203 or 204 Cultural Anthropology I or II (2)
- PT 260 Foundations for Cross-cultural Ministry (1)
- PT 340 Cross-cultural Communication of the Gospel (2)
- PT 375 Compassionate Ministries (2)
- PT 396 Field Experience in Christian Ministries (1)
- RS 356 World Religions: Asian Traditions (2); or,
RS 357 World Religions: Western Traditions (2)
- PT 496 Internship in Ministry (3)

Foundations: (required of non-Christian Ministry majors)

- PT 240 Introduction to Christian Missions (3)

Recommended:

- CO 225 Issues of Developing Nations (3)
 - CO 302 Organizational Communication (3)
 - PY 155 Introduction to Psychology (3)
 - RS 356 World Religions: Asian Traditions (2); or,
RS 357 World Religions: Western Traditions (2) (to complement the one taken as a minor requirement)
 - SO 225 Issues of Developing Nations (3)
- 6 credits of a foreign language (For Christian Ministry majors this is in addition to GK 211 or HB 211.)

PASTORAL MINISTRIES (16-18 CREDITS)

Administrator: Jay Akkerman

This minor with the Christian Ministry major fulfills the educational requirements for ordination in the Church of the Nazarene.

Requirements:

- PT 476 Communicating the Gospel (2)

Choose one of the following:

- PL 341 Philosophy and Literature of Existentialism (2)
- RS 356 World Religions: Asian Traditions (2)
- RS 357 World Religions: Western Traditions (2)

Choose one of the following (2-3):

400 level BL (2)

GK 301 Intermediate New Testament Greek (3)

RS 440 Ancient Near Eastern History and Culture (2)

RS 460 Noncanonical Writings and New Testament Interpretation (2)

Foundations: (required for non-Christian Ministry majors)

BL 311 Old Testament Interpretation (3)

PT 310 Pastoral Theology (2)

PT 321 Spiritual Formation and Christian Discipleship (2)

PT 371 Preaching (2)

Practicum: (required of Christian Ministry majors)

GK 212 Elementary New Testament Greek (3); or,

HB 212 Biblical Hebrew (3)

PT 396 Field Experience in Christian Ministries (1)

PT 496 Internship in Ministry (3)

Recommended:

PT 171 Introduction to Christian Ministry (1)

PT 482 Pastoral Leadership (3)

WORSHIP LEADERSHIP (15 CREDITS)

Administrator: Jay Akkerman

This minor with the Christian Ministry major fulfills the educational requirements for ordination in the Church of the Nazarene.

Requirements:

CE 222 Instructional Bible Study (2)

CO 226 Introduction to Video and Audio Production (3)

PT 324 Worship Leadership and Practice (2)

PT 476 Communicating the Gospel (2)

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

Foundations: (required of non-Christian Ministry majors)

PT 321 Spiritual Formation and Christian Discipleship (2)

PT 322 Worship Leadership and Development (2)

PT 371 Preaching (2)

PT 471 Church Growth and Health (2)

Practicum: (required of Christian Ministry majors)

PT 396 Field Experience in Christian Ministries (1)

PT 496 Internship in Ministry (3)

Recommended:

PT 171 Introduction to Christian Ministry (1)

PY 210 Lifespan Development (3)

YOUTH MINISTRIES (16-17 CREDITS)

Administrator: Mike Kipp

This minor with the Christian Ministry major fulfills the educational requirements for ordination in the Church of the Nazarene.

Requirements:

- CE 222 Instructional Bible Study (2)
- CE 382 Youth Ministries (2)
- CE 386 Advanced Youth Ministries (2)
- PT 375 Compassionate Ministries (2)
- PT 388 Camping and Recreation Ministry (2)
- PT 476 Communicating the Gospel (2)

Foundations: (required of non-Christian Ministry majors)

- CE 181 Introduction to Christian Education (3)
- PT 321 Spiritual Formation and Christian Discipleship (2)

Practicum: (required of Christian Ministry majors)

- PT 396 Field Experience in Christian Ministries (1)
- PT 496 Internship in Ministry (3)

Recommended:

- PT 171 Introduction to Christian Ministry (1)
- PY 210 Lifespan Development (3)



COURSE DESCRIPTIONS

ACCOUNTING (AC)

AC 106. 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. Offered yearly.

AC 107. 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. **Prerequisite:** AC 106. Offered yearly.

AC 301. 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. **Prerequisite:** AC 107. Offered alternate years.

AC 304. Cost Accounting (3)

An in-depth study of cost accounting with a managerial emphasis. Topics include a review of AC 107. (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. **Prerequisite:** AC 107. Offered alternate years.

AC 351. 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. **Prerequisite:** AC 107. Offered yearly.

AC 352. Intermediate Accounting II (3)

A continuation of the study of certain current and long-term assets and liabilities begun in AC 351. 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. **Prerequisite:** AC 351. Offered yearly.

AC 396. Internship in Accounting (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 person and professor. **Prerequisite:** Permission of the Director, Undergraduate Business Program. Offered yearly.

AC 402. 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. **Prerequisite:** AC 352. Offered alternate years.

AC 451. 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:** AC 352. Offered alternate years.

STEP PROGRAM

AC 206. 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. **Prerequisite:** Admission to the STEP Program.

Course Descriptions

AC 207. 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. **Prerequisite:** Admission to the STEP Program.

ART (AR)

AR 101. 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 or ethnic traditions. (See MU 101). Materials fee required.

AR 102. 2D Design (3)

An introductory course designed to promote an understanding of and appreciation for the various technical and aesthetic qualities fundamental to the visual arts. This course emphasizes creative problem-solving through manipulation of various media/techniques as well as class critiques. Materials fee required.

AR 104. 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. Materials fee required.

AR 119. 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. Materials fee required.

AR 135. Graphic Design 1 (3)

An introduction to the world of graphic design with emphasis in graphic problem solving, basic understanding of typography and the elements of design.

AR 176. 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. Materials fee required.

AR 201. 3D Design (3)

An introductory studio experience, this course emphasizes tool usage and safety, material exploration, and an examination of the relationship between various aesthetic qualities and three-dimensional forms. Materials fee required.

AR 205. 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. Materials fee required.

AR 207. Figure Studies (3)

Coursework will be based on observation of the live model and will be carried out as an exploration in various media and methods for representing the figure. The traditional drawing principles of gesture, measurement, light-logic and pictorial composition will be practiced. Foundational will be an introduction to artistic anatomy. Model fee required. **Prerequisites:** AR 104 or Instructor's permission.

AR 228. Illustration 1: Visual Voice (3)

An introductory course to the art and business of illustration with an emphasis in developing conceptual skills, a personal visual voice and stylistic approach. Coursework will include the production of editorial, book cover, promotional and personal illustrations. **Prerequisite:** AR 104, 207, 241. Materials fee required.

AR 236. Graphic Design 2: Typography (3)

An introductory course in designing with type which emphasizes graphic communication, the history and elements of typography, hand lettering and digital type. **Prerequisite:** AR 135. Materials fee required.

AR 241. Painting 1 (3)

An introduction to the fundamentals of painting. This course is designed to develop the student's ability to translate color and effectively organize pictorial space and compositional ideas. **Prerequisites:** AR 102, 104. Materials fee required.

AR 242/442. 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. **Prerequisite:** Audition or Instructor's permission. (See MU 242/442).

AR 243. Digital Design I/Digital Imaging (3)

A design course emphasizing industry standard drawing, painting, and photo editing computer applications. Students create logos, letterhead, product labels, digital illustrations, book covers, newsletters and advertisements. **Prerequisites:** AR 135 and 241 or Instructor's permission. Materials fee required.

Course Descriptions

AR 276. Photography 1 (3)

A beginning course in black and white photography covering camera techniques and darkroom procedures. Students will learn camera operation, film developing and darkroom printing, as well as 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 with manual functions and the option to interchange lenses. Materials fee required. **Prerequisite:** AR 102 or Instructor's permission.

AR 294. Special Topics (1-4)

A concentrated study of one topic in art. May be repeated for credit. **Prerequisite:** Instructor's permission.

AR 301. 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. **Prerequisite:** AR 210. Materials fee required.

AR 305. 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. **Prerequisite:** AR 205. Materials fee required.

AR 306. Printmaking (3)

An introduction to the processes and history of printmaking. Some processes may integrate letterpress and bookbinding techniques. Materials fee required. **Prerequisites:** AR 104. Offered alternate years.

AR 307. 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 representations and methods of facture will be encouraged. Emphasis will be placed on the development of the student's individual visual vocabulary. Materials fee required. **Prerequisites:** AR 104, 207.

AR 325. Art History 1(3)

Survey of visual art and architecture from its pre-historic origins through the gothic period. Offered alternate years.

AR 328. 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: AR 104, 207, 228, 241; or, Instructor's permission. Offered alternate years.

AR 333. 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. **Prerequisite:** PY 211. Materials fee required. (See ED 333).

AR 334. History of Design (3)

A design course focusing in depth on the stylistic history of graphic design, from Gutenberg to the present. Weekly studio assignments will be given with specific historical and stylistic goals. The purpose of this course is to create a strong awareness of historical styles and to develop artwork applicable to a working portfolio.

Prerequisites: AR 135, 236, 243.

AR 336. Graphic Design 3: Product Identity (3)

A design course with emphasis in creating a product identity from concept to completion. This course will discuss but not be limited to, conceptual design, logo/logotype development, packaging design, advertising design and the development of promotional materials. Professional presentation and client skills will also be discussed. **Prerequisites:** AR 135, 236, 243. Materials fee required.

AR 341. Painting 2 (3)

A continuing exploration of painting. 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. Materials fee required.

Prerequisites: AR 104, 207, 241.

AR 343. Digital Design 2: Desktop Publishing (3)

A continuation of AR 243. An editorial design course, with a focus on page layout construction and design, digital pre-press and magazine design. Students will gain experience in industry standard layout applications. **Prerequisites:** AR 135, 236, 243. Materials fee required.

Course Descriptions

AR 344. Digital Design 3: WWW (3)

A design course exploring commercial content creation for World Wide Web. Students will learn how to construct dynamic commercial web sites utilizing current web design software and HTML **Prerequisites:** AR 135, 236, 243. Materials fee required.

AR 350. 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.

AR 353. Teaching Art in Secondary Schools (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. **Prerequisite:** Junior classification. **Co-requisite:** ED 343. (See ED 353).

AR 375. Art History 2 (3)

Survey of visual art and architecture from the Renaissance through 20th century. Offered alternate years.

AR 376. Photography 2 (3)

Continued study into camera operation and darkroom techniques. Students must have a 35mm camera with manual functions. Topics covered may include: medium and large format cameras, experimental techniques and processes, color negative and positive film, and digital capture. **Prerequisite:** AR 276. Materials fee required.

AR 403. 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:** AR 102, 201. Materials fee required.

AR 425. Contemporary Art and Experience (3)

The history of visual art and architecture in the 20th and 21st centuries 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 fieldtrips to galleries and museums. Offered alternate years.

AR 436. Graphic Design 4: Portfolio Development (3)

Advanced design course emphasizing further development of a working portfolio. Projects may include book covers, CD jackets, advertisements, posters, editorial design, logotypes, and corporate identity campaigns. **Prerequisites:** AR 135, 236, 334, 336, 243, and 343. Materials fee required.

AR 444. Digital Design 4: Multimedia (3)

A design course with a focus on new digital animation, video and presentation software applications. Students will learn to construct interactive content for web delivery with the primary goal of producing an interactive portfolio and professional design package. **Prerequisites:** AR 135, 236, 243. Materials fee required.

AR 450. 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. **Prerequisite:** Junior classification.

AR 487. Presentation and Portfolio (3)

A course in professional practices for the fine and commercial artist. Each student will develop a portfolio and presentation materials suited to particular professional goals. The course will culminate in a gallery presentation of each student's portfolio materials.

AR 494. Special Topics (1-4)

A concentrated study of one topic in art. May be repeated for credit. **Prerequisite:** Instructor's permission.

AR 496. 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 or senior year. A minimum of 135 hours required. **Prerequisite:** Junior classification.

BIOLOGY (BI)

BI 103. 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. **Corequisite:** BI 103L.

BI 103L. Earth Science Laboratory (1)

A laboratory course taught in connection with BI 103. Field and laboratory activities are included. **Corequisite:** BI 103.

Course Descriptions

BI 106. 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.

BI 106L. Human Biology Laboratory (1)

A laboratory study, using selected topics relating to the human body, which is intended to be taught in connection with BI 106. This course does not apply toward major requirements in biology. **Corequisite:** BI 106.

BI 196. Clinical Observation (1)

Designed to provide an observation experience in Physical therapy or athletic training settings. May be repeated. **Prerequisite:** Instructor's permission. (See KI 196).

BI 201. 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. **Corequisite:** BI 201L

BI 201L. 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. **Corequisite:** BI 201.

BI 203. 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. **Corequisite:** BI 203L.

BI 203L. 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. **Corequisite:** BI 203.

BI 221. General Biology I: Foundations of Biological Diversity (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. **Corequisite:** BI 221L.

BI 221L. General Biology I: Foundations of Biological Diversity Laboratory (1)

A laboratory study of the basic concepts of biology, using selected topics relating to the biodiversity of life. **Corequisite:** BI 221.

BI 222. General Biology II: Foundations of Molecular and Cellular Biology (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. **Corequisite:** BI 222L.

BI 222L. General Biology II: Foundations of Molecular and Cellular Biology Laboratory (1)

A laboratory study of the basic concepts of biology with emphasis on cellular processes, genetic principles and man's place in nature. **Corequisite:** BI 222.

BI 242. Microbiology (3)

A survey of the biology of the various microorganisms, with special emphasis on the disease causing bacteria. This course does not apply toward major requirements for biology. **Prerequisite:** CM 121. **Corequisite:** BI 242L.

BI 242L. Microbiology Laboratory (1)

A study of selected topics in a laboratory setting, which is intended to be taught in connection with BI 242. This course does not apply toward major requirements for biology. **Corequisite:** BI 242.

BI 294. 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. **Prerequisite:** Instructor's permission.

BI 316. Plant Taxonomy (3)

A study of the principles of plant classification with emphasis on collection and identification of native and introduced vascular plants. **Corequisite:** BI 316L
Recommended as background: BI 221. Offered alternate years.

BI 316L. Plant Taxonomy Laboratory (1)

A laboratory oriented to the identification and field study of native and introduced plants, which is intended to support BI 316. **Corequisite:** BI 316.

BI 324. 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. **Prerequisite:** BI 221, 222 or Instructor's permission.

Course Descriptions

BI 330. Vertebrate Zoology: Ectotherms (3)

A survey of the structure, function, ecology and systematics of ectothermic/poikilothermic vertebrates (traditionally ichthyology and herpetology). Representative taxa from the Pacific Northwest will provide context for these explorations. Course will include considerable emphasis on identification of Idaho fish, amphibian and reptile species. **Prerequisite:** BI 221, 222 or Instructor's permission. **Corequisite:** BI 330L. Offered alternate years.

BI 330L. Vertebrate Zoology: Ectotherms Laboratory (1)

A study of selected topics in a laboratory setting, which is intended to be taught in connection with BI 330. **Corequisite:** BI 330. Offered alternate years.

BI 332. Vertebrate Zoology: Endotherms (3)

A survey of the structure, function, ecology and systematics of endothermic/homeothermic vertebrates (traditionally ornithology and mammalogy). Representative taxa from the Pacific Northwest will provide context for these explorations. Course will include considerable emphasis on identification of Idaho bird and mammal species. **Prerequisite:** BI 221, 222, or Instructor's permission. **Corequisite:** BI 332L. Offered alternate years.

BI 332L. Vertebrate Zoology: Endotherms Laboratory (1)

A study of selected topics in a laboratory setting, which is intended to be taught in connection with BI 332. **Corequisite:** BI 332. Offered alternate years.

BI 336. Vertebrate Comparative Anatomy (3)

A comparative study of all classes of vertebrates, including organ and organ systems levels of comparison. **Corequisite:** BI 336L. **Recommended background:** BI 221. Offered alternate years.

BI 336L. Vertebrate Comparative Anatomy Laboratory (1)

A study of selected topics in a laboratory setting, which is intended to be taught in connection with BI 336. **Corequisite:** BI 336. Offered alternate years.

BI 342. General Microbiology (3)

A survey of the biology of the various microorganisms, with special emphasis on the bacteria. **Prerequisite:** BI 221, 222. **Corequisite:** BI 342L.

BI 342L. General Microbiology Laboratory (1)

A study of selected topics in a laboratory setting, which is intended to be taught in connection with BI 342. **Corequisite:** BI 342.

BI 346. Cell Biology (3)

A study of processes common to life at the cellular level. This course deals primarily with the structure and function of eukaryotic cells and their organelles. **Prerequisites:** BI 221, 222. **Corequisite:** BI 346L.

BI 346L. Cell Biology Laboratory (1)

A study of selected topics in a laboratory setting, which is intended to be taught in connection with BI 346. **Corequisite:** BI 346.

BI 350. 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:** BI 106 or equivalent.

BI 351. 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:** BI 221, 222. Offered alternate years.

BI 352. 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:** BI 221, 222. **Corequisite:** BI 352L. Offered alternate years.

BI 352L. Developmental Biology Laboratory (1)

A study of selected topics in a laboratory setting, which is intended to be taught in connection with BI 352. **Corequisite:** BI 352. Offered alternate years.

BI 354. 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:** BI 221, 222. **Pre/Co-requisite:** BI 372. **Corequisite:** BI 354L. Offered alternate years.

BI 354L. Immunology Laboratory (1)

A study of selected topics in a laboratory setting, which is intended to be taught in connection with BI 354. **Corequisite:** BI 354. Offered alternate years.

Course Descriptions

BI 362. Vertebrate Physiology (3)

An in-depth survey of the basic functional principles of vertebrate organs and systems, with emphasis placed on humans. **Prerequisites:** BI 221, 222. **Corequisite:** BI 362L. Offered alternate years.

BI 362L. Vertebrate Physiology Laboratory (1)

A study of selected topics in a laboratory setting, which is intended to be taught in connection with BI 362. **Corequisite:** BI 362. Offered alternate years.

BI 372. 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: BI 221, 222. **Corequisite:** BI 372L.

BI 372L. Genetics Laboratory (1)

A study of selected topics in a laboratory setting, which is intended to be taught in connection with BI 372. **Corequisite:** BI 372.

BI 374. 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: BI 221, 222. **Recommended as background:** BI 372.

BI 382. 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:** BI 201, 203; or, BI 221, 222.

BI 385. Biological Foundations of Behavior (3)

A comprehensive study of the neural processes underlying brain function and behavior. A major emphasis is placed on an understanding of basic brain organization and function, and the neural substrates of emotion, motivation and learning. **Corequisite:** BI 385L. **Recommended as background:** BI 201, 203; or, 221. (See PY 385).

BI 385L. Biological Foundations of Behavior Laboratory (1)

A study of selected topics in a laboratory setting, which is intended to be taught in connection with BI 385. **Corequisite:** BI 385.

BI 392. Cadaver Dissection I (1)

A directed dissection of human cadavers focusing on integumentary, muscular and nervous system anatomy. **Prerequisite:** Instructor's permission.

BI 393. Cadaver Dissection II (1)

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

BI 394. 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. **Prerequisite:** Instructor's permission.

BI 397. Research (1-3)

Involves the participation of the students with a faculty member in an individual investigative project or literature review. This course may be repeated for up to 4 credits. **Prerequisite:** Instructor's permission.

BI 420. 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.

BI 424. 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:** BI 324, or Instructor's permission. **Corequisite:** BI 424L. Offered alternate years.

BI 424L. Field Ecology Laboratory (1)

A study of selected topics in laboratory and field settings, which is intended to be taught in connection with BI 424. **Corequisite:** BI 424. Offered alternate years.

BI 441. 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,

Course Descriptions

cell metabolism, and molecular genetics. An in-depth survey of the major areas of biochemistry. **Prerequisite:** CM 322.

BI 441L. 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. **Pre/Corequisite:** BI 441.

BI 442. 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. **Prerequisite:** BI 441. Offered alternate years.

BI 472. 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:** BI 221, 222, and 372. **Corequisite:** BI 472L. Offered alternate years.

BI 472L. Advanced Molecular Biology Laboratory (1)

A study of selected topics in a laboratory setting, which is intended to be taught in connection with BI 472. **Corequisite:** BI 472.

BI 494. 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. **Prerequisite:** Instructor's permission.

BI 496. 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.

BI 498. Senior Seminar (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 BI 397. This course is optional for students completing biology degrees other than the B.S. in Biology.

BIBLICAL LITERATURE (BL)

BL 111. 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. **Prerequisite or Corequisite:** HU 101; EN 102.

BL 311. 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:** BL 111.

BL 312. 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:** BL 111, 311, or Instructor's approval.

BL 321. The Prophets Speak Today (3)

A study of the message of Israel's 8th century prophets: Isaiah, Micah, Hosea and Amos. Particular attention will be given to issues of social and economic justice within the context of Covenant. The course will consider the meaning, significance and application of the prophets' message for contemporary Christians. This course is designed for general students. **Prerequisites:** BL 111, TH 211.

BL 322. 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:** BL 111, TH 211.

Course Descriptions

BL 323. 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:** BL 111, TH 211.

BL 326. 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:** BL 111, TH 211.

BL 327. The Gospel of John (3)

An inductive study of the Gospel according to John, in English translation, read against the background of the Johannine Letters. Biblical exegesis, exposition and theology will provide the basis for spiritual formation. This course is designed for general students. **Prerequisites:** BL 111, TH 211.

BL 394. 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:** BL 111, TH 211.

BL 425. 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:** BL 111, TH 211. Offered every third year.

BL 433. 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:** BL 111, TH 211. Offered alternate years.

BL 441. 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:** BL 111, TH 211. Offered alternate years.

STEP PROGRAM

BL 112. 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. **Prerequisite:** Admission to the Step Program.

BL 313. Studies in Biblical Literature (3)

An in-depth study of selected biblical books or genres. 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. **Prerequisite:** Admission to the Step Program.

BUSINESS (BU)

BU 111. Business Seminar (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.

BU 217. 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. **Prerequisite:** Computer proficiency. Offered yearly.

BU 222. 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.

BU 233. 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. **Prerequisite:** ACT Math score of 21 or a grade of C or better in MA 130 College Algebra.

BU 294. Special Topics (1-3)

Study of some areas not covered in other business courses. May be repeated for credit.

Course Descriptions

BU 296. 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. **Prerequisite:** Permission of the Director, Undergraduate Business Program.

BU 301. 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 EC 301)

BU 303. 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.

BU 341. 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.

BU 342. 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. **Prerequisite:** BU 341. Offered alternate years.

BU 351. 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. Offered yearly.

BU 353. 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. **Prerequisite:** BU 351. Offered alternate years.

BU 355. 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. Offered alternate years.

BU 358. Retail Management (3)

Study of the operation and management of retail organizations. Topics include location, layout, pricing, promotion, and purchasing. **Prerequisite:** BU 351. Offered alternate years.

BU 364. 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. Offered yearly.

BU 365. 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. Offered alternate years.

BU 371. 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:** AC 107, EC 241, and BU 333 or ACT Math of 21. Offered yearly.

BU 377. 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

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achieve personal goals, rate of return and risks of alternative investments, in the context of principles of Christian stewardship. (See EC 377)

BU 381. Business Ethics (3)

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

BU 394. Special Topics (1-3)

Study of some areas not covered in other business courses. May be repeated for credit.

BU 396. 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 person and professor. **Prerequisite:** Permission of the Director, Undergraduate Business Program. Offered yearly.

BU 456. 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:** BU 233, or MA 224. Offered alternate years.

BU 459. 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. **Prerequisite:** BU 351. Offered alternate years.

BU 460. Global Business Strategies (3)

The course will cover the structure of global operations, methods, and techniques of licensing, joint ventures, and parent-subsidiaries. **Prerequisite:** BU 364. Offered alternate years.

BU 461. Entrepreneurship (3)

Major topics include: identifying potential high growth business opportunities, characteristics of entrepreneurs, developing creativity, evaluation market potential, preparing a business plan, and choosing an exit or succession strategy.

BU 467. Organizational Behavior (3)

A study of the effects of organizational structure and style on morale, productivity, and efficiency. **Prerequisite:** BU 364. Offered alternate years.

BU 469. 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. Offered yearly.

BU 496. 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. **Prerequisite:** Permission of the Director, Undergraduate Business Program.

BU 498. 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:** Business or accounting major with senior classification and instructor's permission. Offered yearly.

STEP PROGRAM

BU 311. Junior Seminar (3)

Overview of the business field. Management, marketing, human resources, financial management, accounting, business ethics, and international business will each be explored. Specific consideration will be given to how each of the functional areas work together to provide synergy for the firm. **Prerequisites:** Admission to the STEP Program.

BU 317. 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. **Prerequisite:** Admission to the STEP Program.

BU 322. 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. **Prerequisite:** Admission to the STEP Program.

BU 333. 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. Statistics and

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probability will be reviewed. Other topics include compound interest, time value of money, and linear programming. **Prerequisite:** Admission to the STEP Program.

CHRISTIAN EDUCATION (CE)

CE 181. Introduction to Christian Education (3)

An introduction to the history and philosophy of the educational work of the church. The various programs of Christian education will be introduced.

CE 222. 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.

CE 294/494. 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.

CE 381. 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.

CE 382. 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. Fee required.

CE 383. Adult Ministries (2)

A study of the nature and needs of adults with special attention given to special groups in adulthood and their faith development. Offered alternate years.

CE 386. 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.

Prerequisite: CE 382 must be taken previous year.

CHURCH HISTORY (CH)

CH 241. 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.

CH 361. 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.

Prerequisite: TH 211.

CH 362. 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. **Prerequisite:** TH 211.

CH 394. Topics in Church History (1-3)

An examination of some phase of church history not covered in other courses. May be repeated for credit.

CHEMISTRY (CM)

CM 106. Chemistry for Citizens (3)

An examination of the role of chemistry in today's society: historical aspects, technological advances, industrial applications, environment and ecology applications. No prior knowledge of chemistry is assumed.

CM 106L. Chemistry for Citizens Laboratory (1)

An application and exploration of the principles and techniques described in CM 106. **Corequisite:** CM 106.

CM 120. Principles of General Chemistry (3)

This course will prepare a student for entry into CM 121 or CM 221. A grounding in major principles of general chemistry including atoms, nomenclature, molecular structure, bonding and stoichiometry. No prior knowledge of chemistry is assumed.

Prerequisite: High school algebra.

CM 121. 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 CM 120. **Corequisite:** CM 121L

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CM 121L. Principles of Organic and Biochemistry Laboratory (1)

An application and exploration of the principles and techniques described in CM 121.

Corequisite: CM 121.

CM 221. 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.

Prerequisite: NNU math proficiency. **Corequisite:** CM 221L.

CM 221L. General Chemistry I Laboratory (1)

An application and exploration of the principles and techniques described in CM 221, including physical properties, stoichiometry, gas laws and thermochemistry. An emphasis is placed on basic laboratory techniques and sensor-based data acquisition.

Corequisite: CM 221.

CM 222. 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. **Prerequisite:** CM 221. **Corequisite:** CM 222L.

CM 222L. General Chemistry II Laboratory (1)

An application and exploration of the principles and techniques described in CM 222, including equilibrium, acids, bases, kinetics, thermodynamics, and electrochemistry. Emphasis is placed on safety and report writing. Includes qualitative analysis.

Corequisite: CM 222.

CM 261. 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. **Prerequisite:** CM 222. **Corequisite:** CM 261L.

CM 261L. Analytical Chemistry Laboratory (1)

A laboratory exploration to complement the topics and techniques in CM261. Includes sampling, statistics, chemical, titration, and electrochemical methods, with an emphasis on using spreadsheets to simulate and analyze. **Corequisite:** CM 261.

CM 294. 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. **Prerequisite:** Instructor's permission.

CM 321, 322. Organic Chemistry I, II (3 each)

An in-depth analysis of modern organic chemistry including structure, bonding, stereochemistry, reactions, mechanisms, synthesis and laboratory notebook record keeping. **Prerequisite:** CM 222. **Corequisite:** For CM 321: CM 321L; for CM 322: 322L.

CM 321L, 322L. Organic Chemistry I, II Laboratory (1 each)

A laboratory application of the principles and techniques described in CM 321 and CM 322. An emphasis is placed on laboratory technique, notebooking, synthesis schemes, and identification. Incorporates advanced laboratory techniques such as HPLC, GC-MS, FT-IR, and NMR. **Corequisite:** For CM 321L: CM 321; for CM 322L: CM 322.

CM 331. Inorganic Chemistry (3)

A 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. **Prerequisite:** CM 222. Offered alternate years.

CM 351. Thermodynamics and Kinetics (3)

A survey of thermodynamics, equilibria, and kinetics with emphasis on concepts and applications in chemistry, biochemistry and materials. **Prerequisites:** CM 222 and MA 151 or MA 251. Offered alternate years.

CM 362. 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. **Prerequisite:** CM 222.

CM 394. 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. **Prerequisite:** Instructor's permission.

CM 461. 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. **Prerequisite:** CM 362.

CM 471. Structure Elucidation (3)

Identification of organic compounds using physical and chemical properties, infrared

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and mass spectroscopy, and nuclear magnetic resource spectroscopy, including advanced techniques in proton, carbon and multi-dimensional spectra. **Prerequisite:** CM 322.

CM 472. Advanced Organic Chemistry (3)

Advanced study of organic chemistry, including reaction mechanism, total synthesis and molecular orbital theory. **Prerequisite:** CM 322.

CM 494. 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. **Prerequisite:** Instructor's permission.

CM 497. Research (1-6)

A capstone experience consisting of a faculty supervised independent investigative project. **Prerequisite:** Permission of the Department Chair.

CM 498. Senior Seminar (1)

An oral and written communication of the research project. **Prerequisite:** Permission of the Department Chair

COMMUNICATION STUDIES (CO)

CO 101. Introduction to Communication (2)

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, how communication effects society and research in the field.

CO 121. Introduction to Public Speaking (2)

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.

CO 131. Performance of Literature (3)

Understanding the intellectual, emotional and aesthetic aspects of literature with emphasis on its communication to the listener.

CO 142. 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.

CO 201. Small Group Communication (3)

An approach to small group communication theory with emphasis on identifying and developing appropriate communication strategies for various group situations.

CO 202. 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.

CO 203. Interpersonal Communication (3)

An introduction to interpersonal communication theories, research and practice. Focus is on influences and effects of our interpersonal relationships and to improve our communication.

CO 205. 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.

CO 212. Drama Activities (1)

An opportunity for interested students to prepare for and participate in the performance of drama activities. Multiple options, with instructor approval: Fall Play, Junior Class Play, Parable, Spring Musical, Reader's Theater and Community Theater.

Prerequisite: Instructor permission required. May be repeated for credit.

CO 225. 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.

CO 226. Introduction to 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.

CO 228. Audio For Film and Television (2)

A lab course involving student production of voice, vocal music and instrumental music 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. **Prerequisite:** Instructor permission required.

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CO 252. Competitive Forensics (1)

An opportunity for interested students to prepare for and participate in the performance of intercollegiate speaking and debate. **Prerequisite:** Instructor permission required. May be repeated for credit.

CO 260. Introduction to Directing (3)

Basic directing theory and practice. Projects and exercises in fundamental acting and directing skills. Increasing conceptual skills in rehearsal techniques by directing assigned materials. **Prerequisite:** CO 212. Offered alternate years.

CO 294/494. Topics in Communication Studies (1-3)

A concentrated study of one topic in communication studies. May be repeated for credit. **Prerequisite:** Instructor's permission.

CO 295. Internship in Communication Studies (1-2)

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. May be repeated for credit upon approval by the advisor. **Prerequisite:** Courses basic to the area of the internship as approved by the advisor.

CO 301. 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. **Prerequisite:** CO 226.

CO 302. Organizational Communication (2)

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.

CO 303. 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.

CO 305. 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. **Prerequisite:** CO 203.

CO 306. Relational Communication (2)

The nature of and issues facing various relationships: family, friendship, work and romantic. Focus will include gender, power, roles, conflict, long-distance, relationship stages and communication patterns. **Prerequisite:** CO 203, or Instructor permission.

CO 312. Drama Activities (1)

An opportunity for interested students to prepare for and participate in the performance of drama activities. Multiple options, with instructor approval: Fall Play, Junior Class Play, Parable, Spring Musical, Reader's Theatre and Community Theatre. **Prerequisite:** Instructor permission required. May be repeated for credit.

CO 321. Advanced Public Speaking (2)

A course designed to enable students to improve their public speaking techniques. Emphasis will be placed both on theory and skill development. **Prerequisite:** CO 121, or Instructor permission. Offered alternate years.

CO 325. 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:** CO 225, or Instructor permission. Offered alternate years.

CO 326. 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. **Prerequisite:** CO 226, or Instructor permission.

CO 328. 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 dilemmas and issues involved in the mass media. **Prerequisite:** CO 202. Offered alternate years.

CO 329. Advanced 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 the most popular third-party software packages for graphic design, image manipulation and 3-D animation. **Prerequisite:** CO 326, or Instructor permission.

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CO 342. Persuasion and Debate (2)

A practical approach to the study of psychological and rhetorical principles vital to influencing human behavior. Offered alternate years.

CO 352. Competitive Forensics (1)

An opportunity for interested students to prepare for and participate in the performance of intercollegiate speaking and debate. **Prerequisite:** Instructor permission required. May be repeated for credit.

CO 425. 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. **Prerequisite:** CO 326, or Instructor permission.

CO 426. Advanced TV/Film 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. **Prerequisite:** CO 425. Offered alternate years.

CO 444. 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.

CO 461. Communication Research (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. Offered alternate years.

CO 494. Topics in Communication Studies (1-3)

A concentrated study of one topic in communication studies. May be repeated for credit. **Prerequisite:** Instructor permission.

CO 495. Internship in Communication Studies (1-2)

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. May be repeated

for credit upon approval by the advisor. **Prerequisite:** Courses basic to the area of the internship as approved by the advisor.

CO 497. 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. **Prerequisite:** CO 426; or, Instructor permission.

CO 498. Seminar in Communication Studies (1)

A review of the field of Communication. Emphasis will be placed on interviewing and future opportunities. Culmination of the course will involve an oral report concerning the student internship from CO 495. Required for seniors in the Public Communication major.

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CO 121. 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. **Prerequisite:** Admission to the STEP program.

COMPUTER SCIENCE (CS)

CS 122. Introduction to Computer Science (3)

A survey course of the computer science field and an introduction to programming. Topics include: data storage and manipulation within main memory, operating systems, algorithms, programming languages, software engineering, compilers and language translation, networking, data structures, file structures, database structures, and social and legal issues. **Prerequisite:** MA 130.

CS 202. Network Fundamentals (2)

Students will gain introductory experience of networking and telecommunication fundamentals including LANs, MANs, WANs, intranets, the Internet, and the WWW. Data communication and telecommunication concepts, models, standards and protocols will be studied. Installation, configuration, systems integration and management of infrastructure technologies will be practiced in the laboratory. **Prerequisite:** CS 122.

CS 204. Web Development (2)

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

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required, although students will learn some programming through scripting languages.

Prerequisite: CS 202; or, instructor's permission.

CS 206. Computer System Maintenance (3)

An introductory course on the maintenance and repair of Intel based Personal Computers. Course content includes hardware maintenance, repair, and configuration; DOS software installation and configuration; Windows installation and configuration; and network trouble isolation as relating to the PC. The course requires working directly with the computer equipment. **Prerequisite:** Instructor's permission.

CS 222. 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. **Prerequisite:** CS 122. **Corequisite:** CS 222L.

CS 222L. Computer Programming in C++ Laboratory (1)

A required laboratory associated with CS 222. **Corequisite:** CS 222.

CS 226. 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.

Prerequisite: CS 222. **Corequisite:** CS 226L. Offered alternate years.

CS 226L. Event-Driven Programming Laboratory (1)

A required laboratory associated with CS 226. **Corequisite:** CS 226. Offered alternate years.

CS 263. Assembly Language Programming (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.

Prerequisite: CS 222.

CS 275. Data Structures (3)

Introduction to commonly used computer data structuring techniques. Topics include graphs, stacks, queues, lists, trees, sorting, searching, and memory management.

Prerequisite: CS 222.

CS 294. Topics in Computer Programming (1-4)

An intensive study of one programming language not covered in other courses. May be repeated for credit. **Prerequisite:** Instructor's permission.

CS 333. 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:** CS 275, MA 231. **Corequisite:** CS 333L. Offered alternate years.

CS 333L. Database Design and Programming Laboratory (1)

A required laboratory associated with CS 333. **Corequisite:** CS 333. Offered alternate years.

CS 337. 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. **Prerequisite:** CS 222. Offered alternate years.

CS 343, 344. Operating Systems I, II (3 each)

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 for CS 343:** CS 263, 275. Offered alternate years. **Prerequisites for CS 344:** CS 343. Offered alternate years.

CS 353. 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:** CS 263, CS 275. **Corequisite:** CS 353L. Offered alternate years.

CS 353L. Computer Graphics Laboratory (1)

A required laboratory associated with CS 353. **Corequisite:** CS 353. Offered alternate years.

CS 363, 364, 365. Networks and Data Communications I, II, III (3 each)

A study of digital data communication in computer networks. The problems, rationales, and possible solutions for various communications protocols will be discussed. CS 363: OSI model and various network protocols. CS 364: Application of network and network administration and operating principles. CS 365: Advanced topics of network administration. **Prerequisites for CS 363:** CS 263, CS 275. Offered alternate years.

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Prerequisite for CS 364: CS 363. Offered alternate years. **Prerequisite for CS 365:** CS 364. Offered alternate years.

CS 394. Special Topics in Computing (1-4)

A study of some areas not covered in other computing courses. May be repeated for credit. **Prerequisite:** Instructor's permission.

CS 397. Introduction to Senior Project (1)

Presentation of possible topics for the senior software development 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.

CS 443. Compilers (3)

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:** CS 344. Offered alternate years.

CS 468. 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, CS 397.

CS 498. Senior Seminar (1)

Required of and limited to senior students. The seminar involves the written and oral presentation of the research project completed in CS 468. **Prerequisite:** CS 468. Must be taken at NNU.

ECONOMICS (EC)

EC 101. 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.

EC 241. Microeconomic Analysis (3)

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

EC 242. 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. Offered yearly.

EC 301. 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 BU 301)

EC 315. 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. **Prerequisite:** EC 241. Offered alternate years.

EC 351. 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. **Prerequisite:** EC 242; or, Instructor's permission. Offered alternate years.

EC 377. 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 BU 377)

EC 394. 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. May be repeated for credit. **Prerequisite:** Instructor's permission.

Course Descriptions

EC 405. 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. **Prerequisite:** EC 241, 242, or Instructor permission. Offered alternate years.

STEP PROGRAM

EC 341. 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. **Prerequisite:** Admission to the STEP Program.

EC 342. 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. **Prerequisite:** Admission to the STEP Program.

EDUCATION (ED)

ED 110. 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.

ED 211. 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 PY 211).

ED 275. 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. Upon successful completion of this course, students

will be prepared to take one of the Idaho Technology Competency Assessments.

ED 276. Technology in the Classroom - Advanced (2)

An advanced course in educational and computer technology designed for students who have considerable prior experience using computers and application software. Students will explore advanced features of application software and learn how to integrate technology in educational settings. Upon successful completion of this course, students will be prepared to take one of the Idaho Technology Competency Assessments.

Prerequisite: High school technology course; or, Instructor's permission.

ED 294. Special Topics in Education (1-4)

An opportunity to study current issues in the field of education. Topics may vary. May be repeated for credit. **Prerequisite:** Instructor's permission.

ED 296. Field Experience (1)

An overview of lesson planning, principles of learning and classroom observation, and participation. The observation and participation component includes 30 hours of field experience. Student placements are based on previous field work and individual needs.

Prerequisites: ED 110; or, Instructor's permission.

ED 315. 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:** Junior classification.

ED 324. 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 includes information about motivation, classroom environment, minimizing management problems through proactive strategies and systematically modifying inappropriate behavior. **Prerequisite:** Admission to teacher education; junior classification.

ED 325. Fundamentals of Reading (3)

An in-depth study of the 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; junior classification.

Course Descriptions

ED 326. Current 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; junior classification.

ED 331. 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.

ED 333. 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 AR 333).

ED 334. 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. **Prerequisite:** PY 211. (See MU 331)

ED 335. 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. **Prerequisite:** Junior classification. **Corequisites:** ED 343. (See KI 335)

ED 336. 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. **Prerequisite:** ED 211, Instructor permission, or junior classification. **Corequisites:** ED 343.

ED 338. 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 field observations. **Prerequisites:** ED 211, ED 296. Instructor's permission if not a Kinesiology or Health major. (See KI 338).

ED 341. 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. **Prerequisite:** Junior classification.

ED 342. Teaching Methods in Secondary Classrooms (2)

A study of various methodologies and active strategies used to help secondary students access content knowledge. Methods and strategies learned will span various content areas. Course includes lesson and unit planning focused on curriculum standards, creating a positive learning environment, effective instructional techniques, and micro-teaching opportunities. **Prerequisites:** Admission to teacher education; junior classification. (Application for student teaching submitted the fall semester prior to enrollment in this course.) **Corequisites:** ED 343; methods courses in teaching area or first and second teaching fields.

ED 343. Assessment in Secondary Classrooms (1)

Exploration of assessment principles, methods, and issues. Students plan assessment procedures to monitor student progress based on curriculum standards. **Prerequisites:** Admission to teacher education; junior classification. (Application for student teaching submitted during fall semester prior to enrollment in this course.) **Corequisites:** ED 342.

ED 353. 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. **Prerequisite:** Junior classification. **Corequisite:** ED 342, 343. (See AR 353).

Course Descriptions

ED 354. Teaching Music in the Secondary School (3)

Strategies appropriate to this subject field, instructional 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. **Prerequisite:** Junior classification. **Corequisite:** ED 343. (See MU 332).

ED 357. 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. **Prerequisite:** Junior classification. **Corequisite:** ED 342, 343. (See MA 301).

ED 358. 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. **Prerequisite:** Junior classification. **Corequisite:** ED 342, 343.

ED 359. 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. **Prerequisite:** Junior classification. **Corequisite:** ED 342, 343. (See EN 379).

ED 363. 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. **Prerequisite:** Junior classification. **Corequisite:** ED 342, 343. (See SP 363).

ED 364. 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. **Prerequisite:** Junior classification. **Corequisite:** ED 342, 343.

ED 375. 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 includes information about 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; junior classification. **Corequisites:** ED 342, 343; special methods courses.

ED 392. Foundations of Education (2)

Exploration of the historical, philosophical, social and legal foundations of the teaching profession. The purpose and challenges of education will be addressed in relationship to today's changing world. **Prerequisites:** Admission to teacher education; junior classification.

ED 396. 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 ED 296, 315, 325 or 326. **Prerequisites:** ED 110, 275, 296; instructor's permission. May be repeated for credit.

ED 442. 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. **Co-requisites:** ED 444, 446, 481.

ED 444. 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:** ED 442, 446, 481.

ED 445. 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:** ED 442, 444, 446, 481.

Course Descriptions

ED 446. Assessment and Intervention in Reading (3)

An examination and application of research-based best practices for using assessment to guide instruction in literacy. Included is a practicum in the internship classroom 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:** ED 442, 444, 481.

ED 457. Classroom Management (1)

This course provides guidance in understanding the behavior of secondary students. Attention is given to organizing the classroom, providing positive support to students, and working with disruptive secondary students. **Prerequisite:** Approval for student teaching. **Corequisites:** ED 486 or 487, 492.

ED 481. 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. **Prerequisites:** Approval for intern year; senior classification. **Corequisites:** ED 442, 444, 446.

ED 486. 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 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; ED 341, 342, 343; special methods course(s).

ED 487. Student Teaching in the Senior High School (12)

Directed observation, participation and responsible teaching conducted under supervision in 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; ED 341, 342, 343; special methods course(s).

ENGINEERING (EG)

EG 101. Introduction to Engineering (3)

An introduction to engineering disciplines and careers. Topics include techniques for

analyzing and solving problems, software in engineering and science, and professional ethics. Guest lectures from area engineers will be given to the student for a feel of what is expected in the work force. Student design projects emphasize critical thinking and teamwork, as well as oral and written presentations.

EG 105. 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. Offered alternate years.

EG 210. 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. **Prerequisite:** PH 211. **Pre/Corequisite:** MA 252. Offered alternate years.

EG 343. Mechanics of Materials (3)

Elasticity, strength and modes of failure of engineering materials; theory of stresses and strains of ties, shafts, beams and columns. **Prerequisite:** EG 210. Offered alternate years.

EG 362. 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. **Prerequisite:** PH 212. **Corequisite:** EG 362L. Offered alternate years.

EG 362L. 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 real analog systems. **Corequisite:** EG 362. Offered alternate years.

EG 363. 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. **Prerequisite:** PH 212. **Corequisite:** EG 363L. Offered alternate years.

EG 363L. 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.

Course Descriptions

Designed to help understand the concepts introduced in EG 363. **Corequisite:** EG 363. Offered alternate years.

EG 394. 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. May be repeated for credit. **Prerequisite:** Instructor's permission.

EG 497. Senior Design Project (1)

Capstone project integrating previous coursework with a faculty member in an individual or group design project. May be repeated for credit. Required of all engineering physics majors. **Prerequisite:** Instructor's permission.

ENGLISH (EN)

EN 101. 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.) Offered yearly.

EN 102. 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. Offered each semester.

EN 202. 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. **Prerequisite:** completion of EN 102 with a grade of C- or better, advanced placement. Offered each semester.

EN 212. 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. Offered yearly.

EN 221, 222. American Literature (3 each)

A survey of American writing from the colonial period through the twentieth century,

emphasizing the development of American literary aesthetics, forms, and ideas. One course offered each semester.

EN 221. American Literature: Colonial Period to the Civil War

EN 222. American Literature: Civil War to the Present

EN 231, 232. British Literature (3 each)

A survey of British literature from the Anglo-Saxon period through the Renaissance, Restoration, Romantic, and Victorian periods to the present time. One course offered each semester.

EN 231. British Literature: Beowulf through the Age of Reason

EN 232. British Literature: The Romantic Age to the Present

EN 241. 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. Offered yearly.

EN 242, 243. World Literature (3 each)

A survey of selected literature from a variety of world cultures. One course offered each year.

EN 242. World Literature: the Ancient World to the Renaissance

EN 243. World Literature: the Enlightenment to the Modern Era

EN 261. Introduction to Journalism (3)

An introductory course, offering a survey of the print media and practice in journalistic writing. Some emphasis on career opportunities. **Prerequisite:** EN 102, advanced placement. Offered yearly.

EN 298. 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. **Prerequisite:** 3 credits in literature. Offered yearly.

EN 302. 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. **Prerequisite:** EN 202. Offered yearly.

EN 304. 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.

Course Descriptions

EN 305. Creative Writing — Poetry (3)

Principles, techniques, and practice in writing poems. Emphasis on individual writing and small-group activities. Offered alternate years.

EN 312. 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.

EN 321. 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.

EN 325. 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.

EN 331. 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.

EN 332. Shakespeare (3)

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

EN 335. 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.

EN 341. 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.

EN 342. 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 20th 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.

EN 351. Twentieth Century Poetry (3)

A study of representative British and American poetry of the twentieth century. Offered alternate years.

EN 352. Twentieth Century Drama (3)

A study of representative European, British, and American drama from Ibsen to Ionesco. Offered alternate years.

EN 353. The Bible as Literature (3)

A study of the literary qualities of the English Bible.

EN 374. 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. Usually offered each semester.

EN 379. 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. **Prerequisite:** Junior classification. **Co-requisite:** ED 343. (See ED 359).

EN 391. 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. **Prerequisite:** 9 credits in literature. Offered alternate years.

EN 394. Topics in English (1-3)

Specialized study of a topic, genre, or author. May be repeated for credit. **Prerequisite:** 3 credits in literature.

EN 396. 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

Course Descriptions

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.

EN 427. 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 as content varies. Offered yearly.

EN 434. 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.

EN 435. 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.

EN 475. Literature for the Secondary School (3)

A study of the literature appropriate for secondary school language arts classes, including criteria for the selection of and strategies for teaching the literature.

EN 498. Senior Seminar (1)

A review of the English program and a commencement of a lifetime of independent reading and thinking. Required of all majors in the English department. **Prerequisite:** EN 397.

STEP PROGRAM

EN 103. English Composition (3)

A course intended to develop in students college-level writing skills and the ability to express themselves clearly through the written language. For the course to count for General Education requirements, a student must earn a grade of C- or better. **Note:** This course is available only to students in the STEP program.

EN 203. Research Writing (3)

A course which acquaints students with information technology and library resources available at NNU and emphasizes the process of research and writing position papers. **Prerequisites:** Admission to the STEP Program and completion of EN 102 with a grade of C- or better (or advanced placement). **Note:** This course is available only to students in the STEP Program.

EN 324. 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. May be repeated for credit as content changes. **Prerequisite:** Admission to the STEP Program. **Note:** This course is available only to students in the STEP Program.

EN 334. 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. May be repeated for credit as content changes. **Prerequisite:** Admission to the STEP Program. **Note:** This course is available only to students in the STEP Program.

EN 344. 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. May be repeated for credit as content changes. **Prerequisite:** Admission to the STEP Program. **Note:** This course is available only to students in the STEP Program.

FRENCH (FR)

FR 101, 102. Elementary French (4 each)

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.

FR 201, 202. Intermediate French (4 each)

For students who have had at least two years of high school French or one year of college French. This sequence is designed to reactivate and further develop communication skills in French and to enhance cultural awareness of French-speaking cultures and literature. **Prerequisites:** FR 101, 102; or, equivalent.

FR 301. Advanced Conversational French (3)

For students who have taken 200 level courses or the equivalent. This course provides students with the opportunity to analyze and discuss various aspects of contemporary French culture through the study of realia taken from the French press, television and cinema. **Prerequisite:** FR 201; or, Instructor's permission. Offered alternate years.

FR 351. French Civilization and Literature (3)

A study of the high points of French literature over the ages and their historical and social backdrop. Authors studied include the following: Rabelais, Montaigne, Racine, Voltaire, Rousseau, the Romantic poets, Hugo, Flaubert, Proust, and Camus. A variety of genres will be examined and discussed. Course taught in French. Offered alternate years. **Prerequisite:** FR 201; or, Instructor's permission.

Course Descriptions

FR 394. Special Topics in French (1-3)

The course may comprise 1) various studies of topics related to the French language and Francophone cultures; or, 2) a multi-disciplinary study of the European Union. The courses may either be taught in English or French. May be repeated as content varies.

GEOGRAPHY (GE)

GE 105. 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.

GREEK (NEW TESTAMENT) (GK)

GK 211, 212. Elementary New Testament Greek (3 each)

A study of the basic elements of New Testament Greek. Grammar, vocabulary, and syntax will be emphasized. Course will include selected readings in the Greek New Testament. **Prerequisite:** Prior foreign language experience is recommended. Offered alternate years.

GK 301. Intermediate New Testament Greek (3)

A vocabulary review, an introduction to advanced grammar and exegetical principles and methods, and a broad reading of selected New Testament passages. **Prerequisite:** GK 212. Offered alternate years.

GK 352. New Testament Greek Exegesis (2)

An advanced study of the Greek New Testament. 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 selected New Testament books. May be repeated for credit. **Prerequisite:** GK 301.

HEBREW (HB)

HB 211, 212. Biblical Hebrew (3 each)

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:** Prior foreign language experience is recommended. Offered alternate years.

HISTORY (HS)

HS 103. The World and the West I (3)

This course begins with the classical eras, both east and west (ca. 600 BC) and ends in around 1650. Its goal is first to understand both the primary cultural heritages of the world and their growing interconnectedness. Its goal, secondly, is to put the energy and distinctiveness of the Western tradition into perspective with other political worlds and religious world-views.

HS 104. The World and the West II (3)

This course begins in 1650 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.

HS 203. 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, the Civil War and Reconstruction.

HS 204. 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.

HS 303. Roman Empire and Christian Community (3)

An exploration of the parallel development of two quite different “worlds,” the imperial system inaugurated by Caesar Augustus and the community brought by Jesus Christ. With political history as framework, social and economic history is emphasized, especially with regard to women and public compassion. Offered alternate years.

HS 304. “Not the Dark Ages” (3)

A celebration of those who preserved 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 communities, Islamic cities and schools in Spain and emperors like Charlemagne and Otto the Great. Offered alternate years.

Course Descriptions

HS 310. The World of Caesar (3)

A presentation of the development of the Roman Republic to its demise in the time of Julius Caesar. These include the Republic as a unique alternative to monarchy, its variety of families and the Roman life of honor, its wars against Greek and Phoenician colonies, and its struggle to maintain its tradition after acquiring an empire. Offered alternate years.

HS 325. 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 family values, husband-wife relations, and class conflicts. Instructor's permission. Offered alternate years.

HS 333. 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 PS 333). Offered alternate years.

HS 335. The Civil War and Reconstruction (3)

An in-depth exploration of this country's greatest trial—the Civil War. The course will begin with a study of the manifestations of sectionalism, circa 1848, and the road to war, followed by an extended study of the military, social, political and economic aspects of the war and, finally, an examination of Reconstruction. Offered alternate years.

HS 339. 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. Offered alternate years.

HS 344. 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. (See CH 344). Offered alternate years.

HS 348. Modern Europe (1800-Present) (3)

An in-depth exploration of Europe from the political and industrial revolutions of the 18th and 19th centuries, 19th century “isms” (Romanticism, liberalism, socialism, nationalism, imperialism), world wars, through contemporary European society and culture. Offered alternate years.

HS 349. 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 paid 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.

HS 394. 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. **Prerequisite:** Instructor’s permission.

HS 497. 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. **Prerequisite:** Senior standing.

HUMANITIES (HU)

HU 101. 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.

HU 250, 251, 252, 253. Western Intellectual Traditions (Freshman Honors) (2 each)

The four courses (2 quads each semester) focus on the following historical periods: Greek, Roman, and early Christian; Renaissance and Reformation; Enlightenment; and Modern. The structure and content of the courses are 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

Course Descriptions

addressing current issues; improve written and oral communication; and acquire leadership skills in discussions with peers. **(Admission by selection only)**

HU 401. 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.

KINESIOLOGY (KI)

KI 100. 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 five dimensions of wellness. **Corequisite:** KI 100L.

KI 100L. 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 health assessments. **Corequisite:** KI 100.

KI 101. 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. **Prerequisite:** Permission of the Department Chair.

KI 102. Heart Healthy Activities (1)

Wellness activities of adult fitness, aerobic fitness, cycling, life guarding, physical fitness, rhythmical aerobics, skiing and derivatives offered, swimming (intermediate), Taekwon Do, jogging/walking, water aerobics, weight control management, and water fitness. Two activities per semester. May be repeated for elective credit but not for general education credit.

KI 103. 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. May be repeated for elective credit but not for general education credit.

KI 124. Life Guarding (1)

Qualifies students for a life guarding certificate. **Prerequisite:** Instructor's permission.

KI 131. 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.

KI 196. Clinical Observation (1)

A field-based observational experience which enhances first hand practical knowledge in either a physical therapy or athletic training setting. This course may be repeated for credit. **Prerequisite:** Instructor's permission. (See BI 196).

KI 241. 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.

KI 243. 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, AIDS/HIV, STD's, mental health, consumer health, sex and family planning, diseases, environmental health. Offered alternate years.

KI 250. 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 KI heart healthy activity. May be repeated for up to 12 credits. (See MS 250).

KI 264. 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, badminton-racquetball, fitness testing, fitness prescription, movement-rhythms, softball, volleyball, track and field, basketball, weight training, archery, golf, tennis and challenge course. Majors will take 6 credits; counts for KI Majors General Ed requirement. **Prerequisites:** Majors only; Instructor's permission.

Course Descriptions

KI 273. 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.

KI 275. Outdoor Pursuits (2)

Fundamental skills and instructional techniques for outdoor educational activities. Also includes outdoor equipment use and safety emphases. Fulfills one general education lifetime activity requirement. May be repeated for credit. **Prerequisite:** Instructor's permission.

KI 276. 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. This course does not satisfy a general education requirement. **Prerequisite:** Permission of the Coach and Athletic Director.

KI 285. 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.

KI 294. 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.

KI 296. Field Experience in Kinesiology (1)

Designed to provide an introductory experience as a leader in various health, kinesiology and recreational settings. May be repeated for credit in a different setting. Kinesiology and health second teaching fields and recreation major require one credit in KI 296 as a lab assistant for the wellness laboratory. **Prerequisite:** KI 100, or Instructor's permission.

KI 335. 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 structures common to this subject in the secondary school. Micro-teaching and other simulated experiences are included. **Prerequisite:** Junior classification. **Co-requisite:** ED 343. (See ED 335).

KI 336. 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. **Prerequisite:** Junior classification. **Co-requisite:** ED 343. (See ED 336).

KI 338. 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 field observations. **Prerequisites:** ED 211, ED 296. Instructor's permission if not a Kinesiology or Health major. (See ED 338).

KI 344. 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. Offered alternate years. **Prerequisites:** KI 141, 241, 362.

KI 356. 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.

KI 360. 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.

KI 363. 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.

KI 364. 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.

Course Descriptions

KI 396. Field Experience in Kinesiology/Recreation (1)

Designed to provide an advanced experience as a leader in various health, kinesiology and recreational settings. **Prerequisite:** Instructor's permission.

KI 452. 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. Offered alternate years.

KI 456. Administration and Supervision of HPERA (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.

KI 486. 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.

KI 494. Special Topics in Kinesiology (1-4)

Topics relating to Health, Physical Education, Athletic Training, or Recreation not ordinarily covered in other courses. May be repeated for credit.

KI 495. 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. May be repeated up to 3 credits. **Prerequisite:** Permission of the Department Chair.

KI 496ab. Recreation and Sport Internship (3 each)

Practical experience in planning, leading, supervising and evaluating recreation programs while working in a specific situation under qualified personnel. **Prerequisite:** Permission of the Department Chair.

The following courses count for General Education KI activity requirement:

KI 101, KI 102, KI 103, KI 124, KI 250, KI 264 (KI majors only)

STEP PROGRAM

KI 100-X. 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 five dimensions of wellness. Lecture and laboratory.

Prerequisite: Admission to the STEP program.

KI 102-X. Heart Healthy (1)

The activity class is designed to increase your knowledge of cardiovascular fitness as well as improve your cardiovascular fitness level. Students will participate in lecture sessions as well as plan, develop, and participate in a personal fitness activity/program. Principles of fitness will be incorporated into the course. **Prerequisite:** Admission to the STEP program.

MATHEMATICS (MA)

Advanced Placement Credit: The Mathematics and Computer Science Department will grant a student who received a score of 4 or 5 on the AP Calculus BC Examination a maximum of 4 semester credits. This may not exempt the student from taking MA 251, Calculus I.

MA 090. 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 Pass/Fail course. This is designed to prepare the student to become math proficient.

MA 095. Intermediate Algebra (3)

Linear equations and inequalities, graphing lines, systems of equations, exponents, polynomials, factoring, radicals, complex numbers, and the quadratic formula
Prerequisites: Pass MA 090, or COMPASS Examination score of at least 50 on the Pre-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 Pass/Fail course.

Credit for courses numbered below 100 is not transferable.

MA 110. Liberal Arts Mathematics (3)

A course designed for an introduction to mathematical concepts. This may include such concepts as sets, logic, functions and graphs, mathematical models, and history.
Prerequisite: NNU math proficiency is required.

MA 130. College Algebra (3)

Topics include polynomial arithmetic, synthetic division, zeroes of polynomials, systems of linear equations, matrices and matrix multiplication. **Prerequisite:** ACT score of 23 or instructor’s permission. **Note:** Students need to verify they have the prerequisites the first day of class.

Course Descriptions

MA 140. Trigonometry (3)

Topics include the study of the trigonometric functions, plane trigonometry, and analytic trigonometry. **Prerequisites:** MA 130 (a grade of C or better), an ACT score of 26, or Instructor's permission. **Note:** Students need to verify they have the prerequisites the first day of class.

MA 151. 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:** MA 130 (a grade of C or better), an ACT score of 26, or Instructor's permission. **Note:** Students need to verify they have the prerequisites the first day of class.

MA 201. 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.

MA 202. Fundamental Mathematical Structures II (3)

Includes probability and statistics, basic geometric concepts and measurement, constructions, congruence, similarity and transformations. Laboratory activities are included. **Prerequisite:** MA 201 or Instructor's permission.

MA 224. 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. **Prerequisites:** ACT score of 23, a passing grade in MA 095, or Instructor's permission. **Note:** Students need to verify they have the prerequisites the first day of class.

MA 231. Discrete Mathematics (3)

An introduction to graph theory, logical operators, mathematical induction, enumeration and Boolean algebra. **Prerequisites:** MA 130 (a grade of C or better). **Note:** Students need to verify they have the prerequisites the first day of class.

MA 251, 252. Calculus I, II (4 each)

MA 251: Limits, derivatives, integration and applications of the derivative, applications of integrals, integration techniques, logarithmic, exponential, trig and inverse trig functions. **Prerequisite:** MA 140 (a grade of C or better), an ACT score of 28, or Instructor's permission. **Note:** Students need to verify they have the prerequisites the first day of class.

MA 252: Infinite series, vectors, partial differentiation, multiple integrals. **Prerequisite:** MA 251 (a grade of C or better). **Note:** Students need to verify they have the prerequisites the first day of class.

MA 301. 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.

Prerequisite: Junior classification. **Corequisite:** ED 342, 343. (See ED 357).

MA 310. History of Mathematics (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. May be repeated for credit. **Prerequisite:** MA 251.

MA 324, 325. Probability and Statistics I, II (3 each)

Study of combinatorial analysis, probability, random variables and their distributions, estimation, statistical inference, regression and correlation, and analysis of variance.

Prerequisite: MA 252 (a grade of C or better). Offered alternate years. **Note:** Students need to verify they have the prerequisites the first day of class.

MA 328. 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. **Prerequisite:** MA 130; or, MA 332. Offered alternate years.

MA 331. 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. **Prerequisite:** MA 231 or 251; or, Instructor's permission.

MA 332. 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. **Prerequisite:** MA 130 or 251. Offered alternate years.

MA 341. 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. **Prerequisite:** MA 140 or 251; or, Instructor's permission. Offered alternate years.

Course Descriptions

MA 353. Calculus III (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. **Prerequisite:** MA 252 (a grade of C or better). **Note:** Students need to verify they have the prerequisites the first day of class.

MA 354. Differential Equations (3)

A first course in ordinary differential equations. Linear algebra will be introduced for systems of linear differential equations. **Prerequisite:** MA 252 (a grade of C or better). **Note:** Students need to verify they have the prerequisites the first day of class.

MA 356. 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:** MA 252. Recommended: MA 354 and a programming language.

MA 394. Topics in Mathematics (1-4)

Intensive study of one topic. May be repeated for credit. **Prerequisite:** Instructor's permission.

MA 432, 433. Modern Algebra (4, 2)

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. Topics in MA 433 will include permutation groups, quotient structures, and finite fields and their applications. **Prerequisite for 432:** MA 332 or 331; or, Instructor's permission. Offered alternate years. **Prerequisite for 433:** MA 432. Offered alternate years.

MA 451, 452. Introduction to Real Analysis (4, 2)

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:** MA 252, 331. Offered alternate years.

MILITARY SCIENCE (MS)

MS 101, 102. Introduction to Military Science (1 credit each)

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.

MS 201. 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.

MS 202. 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.

MS 250. 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 repeated for up to 12 credits. May be counted as one KI activity. (See KI 250).

MS 290. Military Science Practicum (6)

A field based introduction to military subjects such as land navigation, map reading, marksmanship, and leadership. Practicum is a five-week Leadership Training course at Fort Knox, Kentucky. This course fulfills MS101, 102, 201, and 202 ROTC program requirements. Students may also earn a two-year scholarship while in this course. The NNU Army ROTC advisor determines enrollment eligibility.

MS 301. Tactical Leadership (3)

A study of tactics and skills which increases students' poise and confidence as military trainers and leaders. Students learn the techniques of effective counseling, training and management in a military environment. Laboratory consists of progressive participation in advanced leadership exercises and practical application of basic tactics and patrolling skills. **Prerequisite:** MS 201 and 202, or 290.

MS 302. Basic Tactics (3)

A continuation of MS 301. Refines the fundamentals of patrolling and combat operations. Prepares students for participation at the National Advanced Leadership camp. Laboratory consists of practical application of basic tactics and patrolling skills. **Prerequisite:** MS 301.

Course Descriptions

MS 390. Military Science Practicum (6)

A field based course which provides students with the opportunity to apply the leadership skills they have learned. Course is completed at the five-week ROTC Advanced Leadership Camp at Fort Lewis, Washington. **Note:** This is required of all contracted students and is usually completed during the summer between the junior and senior years. **Prerequisite:** MS 301 and 302; or, Instructor's permission.

MS 401, 402. Professional Preparation (3 each)

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:** MS 301 and 302.

MS 496. 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. **Prerequisite:** MS 390; or, Instructor's permission.

MUSIC (MU)

MUSIC ENSEMBLES

The Music Program reserves the right to place a student in a specific ensemble. With the permission of the Chair of the Music Department, official enrollment may be waived for non-students participating in ensembles. Performance attire fee required in most ensembles.

APPLIED MUSIC

Private instruction is available to all students in piano, organ, voice, strings, woodwinds, guitar, percussion, and brass instruments. Lessons missed because of holidays will not be made up. Lessons missed for other reasons, except for illness, will be made up only at the discretion of the teacher who, in all cases, must be notified a reasonable length of time in advance.

Applied music students are expected to practice regularly the assigned number of hours per week for each lesson taken.

One credit per semester is allowed for one lesson per week in any area of applied music. Students in their junior or senior years who have reached a degree of proficiency in

applied music may enroll for 400 level credit with instructor's permission. Refer to the Music Program Handbook for additional information. Handbooks are available in the Art and Music Department office.

MU 101. 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 or ethnic traditions. (See AR 101).

MU 120. Beginning Music Theory I (3)

An introduction to the fundamentals of harmony and the use of analysis as the central activity in the study of music theory. **Corequisite:** MU 121.

MU 121. Beginning Music Theory Laboratory I (1)

An introduction to and application of aural skills, including sight-singing, rhythmic dictation, melodic and harmonic dictation. **Corequisite:** MU 120.

MU 122. 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:** MU 120, MU 121. **Corequisite:** MU 123.

MU 123. Beginning Music Theory Laboratory II (1)

A further study and application of aural skills, including sight-singing, rhythmic dictation, melodic and harmonic dictation. **Prerequisites:** MU 120, 121. **Corequisite:** MU 122.

MU 211. Introduction to the Ministry of Music (2)

An introductory course dealing with the current status of the ministry of music, fundamental philosophies, historical developments, issues, practical considerations, and basic song leading. Twenty hours of observation experience required. Offered alternate years.

MU 220. Intermediate Music Theory I (3)

Study of harmony and analysis including modulation, romantic harmony, enharmonic functions, elementary forms and 20th century techniques. **Prerequisites:** MU 122, 123. **Corequisite:** MU 221.

MU 221. 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:** MU 122, 123. **Corequisite:** MU 220.

Course Descriptions

MU 222. Intermediate Music Theory II (3)

Further study of harmony and analysis including modulation, romantic harmony, enharmonic functions, elementary forms and 20th century techniques. **Prerequisites:** MU 220, 221. **Corequisites:** MU 223.

MU 223. 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:** MU 220, 221. **Corequisite:** MU 222.

MU 224. Improvisation (3)

Group study of improvisation, exploring jazz, blues, classical, and popular styles. May be repeated for credit. **Prerequisite:** Instructor's permission. Offered alternate years.

MU 225. Instrument or Voice (1-2)

Private instruction in piano, voice, organ, strings, percussion, woodwind or brass instruments. May be repeated; additional fee required. **Prerequisite:** Instructor's permission. Additional fee required.

MU 231. Synthesizers and Sequencing (1)

An introduction to synthesizers and their applications. Emphasis will be placed on sequencing using Cakewalk Pro Audio Software. **Prerequisite:** Instructor's permission.

MU 232. Audio Technology (1)

A course designed to prepare music ministers and technicians to manage sound, equipment, and personnel. Offered alternate years.

MU 237. University Women's Choir (1)

Membership open to non-majors as well as majors. Personnel chosen by audition. May be repeated for credit. **Prerequisite:** Instructor's permission.

MU 242. Opera/Musical Theatre Production (1)

Hands-on involvement in the performing of an opera or a Broadway musical, including acting, singing, choreography, stage lighting and set construction. May be repeated for credit. **Prerequisite:** Audition or Instructor's permission. (See AR 242/442).

MU 243. Jazz Band (1)

An instrumental ensemble of select personnel chosen by audition. Membership open to non-majors as well as majors. May be repeated for credit.

MU 244. Orchestra (1)

Membership open to non-majors as well as majors. May be repeated for credit. **Prerequisite:** Audition or Instructor's permission.

MU 245. Special Ensemble (1)

A course designed for students ready to participate in small group chamber or jazz ensemble settings. Membership open to non-majors as well as majors. May be repeated for credit. **Prerequisite:** Audition or Instructor's permission.

MU 246. Concert Band (1)

Membership open to non-majors as well as majors. May be repeated for credit. **Prerequisite:** Instructor's permission.

MU 249. 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.

MU 294/494. Special Topics (1-3)

A concentrated study of one topic in music. May be repeated for credit. **Prerequisite:** Instructor's permission.

MU 315. Music Technology Laboratory (1)

Hands-on experience creating and maintaining a variety of computer and electronic music equipment systems, taught in conjunction with existing courses in music technology.

MU 320. Worship Theory and Development II (2)

This course continues the instruction in PT 322, Worship Leadership I. It is a practical approach to choosing and leading the music of worship in various settings: traditional, contemporary, and liturgical. Students will learn how and where to find music, how to choose the proper music for the situation, how to put several songs together with smooth transitions, and how to lead a congregation in singing the music of worship. In this course, students will have the opportunity to create their own worship services and then lead them in a church or university setting. **Prerequisite:** PT 322.

MU 321. 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. **Prerequisite:** MU 222, 223, or Instructor's permission. Offered alternate years.

MU 322. Counterpoint (3)

A study of 18th century counterpoint with emphasis on its influence on polyphonic writing of the 20th century. **Prerequisite:** MU 222, 223. Offered alternate years.

MU 323. Composition (3)

The writing of original compositions, beginning with the song form and proceeding

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through the sonata form with emphasis given to stylistic elements. **Prerequisite:** MU 222, 223, or Instructor's permission. Offered alternate years.

MU 325S. Strings (1)

Private instruction on two string instruments, emphasis placed on the requisite skills to direct school string programs. Additional fee required.

MU 325W. Woodwinds (1)

Private instruction on two woodwind instruments, emphasis placed on the requisite skills to direct school instrumental programs. Additional fee required.

MU 325B. Brass (1)

Private instruction on two brass instruments, emphasis placed on the requisite skills to direct school instrumental programs. Additional fee required.

MU 325P. Percussion (1)

Private percussion instruction, emphasis placed on the requisite skills to direct school instrumental programs. Additional fee required.

MU 326. Music History: Medieval, Renaissance and Baroque (3)

An introduction to music literature from ancient times to 1750.

MU 327. Music History: Classic, Romantic and Modern (3)

An introduction to music literature from 1750 to the present.

MU 331. 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 found in Orff and Kodaly as well as folk music of various cultures and traditions. (See ED 334).

MU 332. Teaching Music in the Secondary School (2)

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 **Prerequisite:** Junior classification. **Co-requisite:** ED 343. (See ED 354).

MU 338. Church Music Administration (3)

An examination of the various roles of the music minister, including techniques and tools for planning and organizing the music program in a local church. The course will explore key principles of leadership and interpersonal relationships, cover basic administrative computer software, and introduce methods of rehearsal planning,

recruiting, staffing, budgeting, touring, and music production. Offered alternate years.

MU 340. Instrumental Methods and Materials (2)

A course which explores the organization and development of a school instrumental program. Topics include how to start a beginning band, find and prepare to teach instrumental music of various styles, genres, diverse ethnic cultures, and levels and learn rehearsal techniques, and classroom management suitable for school bands.

Prerequisite: MU 325, or Instructor's permission.

MU 342. Choral Methods and Materials (2)

A course which explores the organization and development of a choral music program at the secondary school level. Topics include how to choose and develop voices, find and prepare to teach choral music of various styles, genres, and diverse ethnic cultures, and learn rehearsal techniques and classroom management suitable for school choirs.

Prerequisite: MU 324; or, Instructor's permission.

MU 343. Performance Practices (1)

Development and improvement of skills leading to effective stylistic comparison and evaluation of live and recorded musical performances.

MU 344. Diction (3)

A study of Italian, German, French, and English diction employing the International Phonetic Alphabet. Offered alternate years.

MU 350. Northwesterners (1)

A vocal ensemble of select personnel chosen by audition. Membership open to non-majors as well as majors. May be repeated for credit.

MU 352. Church Music for Children and Youth (2)

Techniques and resources for all phases of music for children and youth within the contemporary church. Includes vocal and rehearsal techniques, choral literature, handbells, and musical production techniques including use of sound, lights, etc. Offered alternate years.

MU 360. Choral Conducting (3)

Introduction to the fundamentals of conducting techniques, rehearsal methods, and choral music scores. **Prerequisite:** Instructor's permission. Offered alternate years.

MU 361. Instrumental Conducting (3)

Introduction to instrumental conducting including rehearsal techniques and band and orchestral score-reading. **Prerequisite:** MU 360; or, Instructor's permission. Offered alternate years.

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MU 375. Symphonic Literature (1)

A study of representative symphonic literature from the baroque, classic, romantic, and modern periods (18th, 19th, and 20th centuries). May be repeated for credit.

Prerequisite: Instructor's permission.

MU 395. 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.

MU 410. Forms and Analysis (3)

A study of standard musical forms in music from the common practice period to the present. **Prerequisite:** MU 222, 223. Offered alternate years.

MU 425. Instrument or Voice (1-2)

Private instruction in piano, voice, organ, strings, percussion, woodwind or brass instruments. Available to juniors and seniors who are applied music majors and other juniors and seniors who have reached an appropriate level of proficiency. May be repeated for credit. **Prerequisite:** Instructor's permission. Additional fee required.

MU 439. Piano Methods (3)

A study of teaching materials and methods for the beginner through college level.

MU 441. Voice Methods (3)

A study of voice production, teaching methods and repertoire for the various voice classifications. Offered alternate years.

MU 451. Music in Worship (3)

In-depth study of the role and function of music in worship. Particular attention will be given to literature and resources appropriate for the contemporary church setting, including graded choirs, use of the hymnal, praise and worship resources, choral anthems, and solo and instrumental materials. The student will investigate professional journals, organizations, and publishers. Offered alternate years.

MU 495A. Internship in Church Music (1-3)

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.

MU 495B. 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.

MU 498. 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.

NATURAL SCIENCE (NS)

NS 294/394/494. 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. **Prerequisite:** Instructor's permission.

NURSING (NU)

NURSING COURSES REQUIRED FOR STUDENTS ENROLLED AT NNU PRIOR TO FALL 2006

NU 101. Introduction to Professional Nursing (1)

An introduction to the profession of nursing and the uniqueness of nursing care delivery. This course provides students the opportunity to study the profession of nursing and career options that are available. Students are introduced to nursing literature.

NU 202. Conceptual Foundations of Professional Nursing (3)

An examination of nursing roles and professional responsibilities related to health and alterations in health. Students will explore accountability within defined standards of nursing practice and ethical-legal mandates of professional nursing. Professional and Christian values in nursing practice will be emphasized. An introductory level of the nursing process and nursing theory will be explored. Professional and Christian values in nursing practice will be emphasized. **Prerequisites:** NU 101, sophomore standing.

NU 210. Medical Terminology Online (1)

An interactive presentation of medical terminology designed to prepare students for comprehension and utilization of medical terms in health professions.

NU 211. Health Assessment Across the Lifespan (4)

An experience-based presentation of skills designed to prepare the student for holistic health assessment focusing on client needs. A scholarly approach addressing influencing factors to quality health assessment will be emphasized. Clinical/Nursing Learning Center component. **Prerequisites:** NU 101, 202, admission to nursing. **Co-requisites:** NU 210, 222.

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NU 222. Fundamentals of Professional Nursing (4)

An introduction to the fundamental cognitive, affective and psychomotor knowledge and skills needed for professional nursing practice. Nursing activities that promote, maintain and/or restore health will be presented and practiced within the context of common human needs and the nurse-client relationship. Communication, basic psychomotor skills and use of nursing process will be emphasized. Clinical/Nursing Learning Center components. **Prerequisites:** NU 101, 202, admission to nursing. **Co-requisites:** NU 210, 211.

NU 304. Pharmacology (3)

An examination of the major classifications of drugs, mechanism of action, interactions and clinical implications. Roles and responsibilities in pharmacotherapeutics will be explored. **Prerequisites:** NU 210, 211, 222. **Co-requisites:** NU 333, 344, BI 382.

NU 333. Mental Health Nursing (4)

A study of nursing practice with the goals of promoting, maintaining, and restoring mental health of individuals and groups. Therapeutic use of self and communication techniques will be practiced in nurse-client relationships. Clinical/Nursing Learning Center component. **Prerequisites:** NU 210, 211, 222. **Co-requisites:** NU 304, 344, BI 382.

NU 344. Nursing of Adults with Acute and Chronic Health Alterations (6)

A study of the nursing roles and actions with adults experiencing acute and chronic alterations in health with the goal of health restoration. Impact upon the family will be incorporated. Critical thinking and therapeutic skills will be practiced within nurse-client settings. Clinical/Nursing Learning Center component. **Prerequisites:** NU 210, 211, 222. **Co-requisites:** NU 304, 333, BI 382.

NU 351. Nursing of Women and Childbearing Families (4)

An experience-based study of the roles and functions of nursing in health promotion, health maintenance and health restoration of women. Critical thinking in nursing management of the childbearing woman and family will be a focus. Clinical/Nursing Learning Center component. **Prerequisites:** NU 304, 333, 344, BI 382. **Co-requisites:** NU 362, PY 210, MA 224.

NU 362. Nursing of Children and Childrearing Families (4)

An experience-based study of nursing roles and functions in health promotion, health maintenance, and health restoration of children from infancy through adolescence. Principles of growth and development will be applied in nursing management of children and adolescents. The significance of family relationships will be a focus. Clinical/Nursing Learning Center component. **Prerequisites:** NU 304, 333, 344, BI 382. **Co-requisites:** NU 351, PY 210, MA 224.

NU 402. Leadership and Management in Professional Nursing (7)

A capstone course in which students demonstrate competency in caring for the family. An investigation of theories and principles of leadership and management applied within professional nursing practice. Students practice professional nursing in a variety of health care settings under the mentorship of a preceptor. Nursing on health care trends within the context of regional, national and international arenas will be explored. Clinical component. **Prerequisites:** NU 408, 473, 484.

NU 408. Foundations of Nursing Research (3)

An analysis of the scientific research process in nursing. Students will be guided in applying and incorporating research into nursing practice. **Prerequisites:** NU 351, 362, MA 224. **Co-requisites:** NU 473, 484.

NU 473. Nursing of Adults with Complex Health Alterations (6)

A study of nursing management of adults and families experiencing complex health alterations. Critical thinking and therapeutic skills will be practiced within high acuity settings. Health restoration will be emphasized. Clinical/Nursing Learning Center component. **Prerequisites:** NU 351, 362. **Co-requisites:** NU 408, 484.

NU 484. Community Health Nursing (5)

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. **Prerequisites:** NU 351, 362. **Co-requisites:** NU 408, 473.

NU 499. Independent Study (1-2)

An advanced independent study designed in consultation with the nursing advisor and approved by the Chair of the Department. **Prerequisites:** Senior standing in nursing and faculty permission.

NURSING COURSES REQUIRED FOR STUDENTS ENTERING NNU FALL 2006

NU 100. Introduction to the Profession of Nursing (2)

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. An introduction to the nursing process and nursing theory will be presented.

NU 200. Family Health I (5)

The family and the foundations of family theory will be addressed. An introduction to

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the therapeutic use of self and communication skills will be emphasized. Evidence-based practice as the foundation for clinical nursing will be incorporated. Students will interview a family in the community with an emphasis on health promotion and assessment of growth and development. Clinical/Nursing Learning Center component.

Prerequisites: NU 100, PY 155, BI 201, BI 201L, EN 102, SO 155, CM 121, CM 121L, BI 203, BI 203L; admission to the nursing program. **Corequisites:** NU 210, PY 210, BI 242, BI 242L, KI 273.

NU 203. Family Health II (5)

The family nursing process and health assessment skills will be taught concurrently. The student will be introduced to a family assessment model. Application of evidence-based practice in diverse health care settings will be emphasized. An introduction to pharmacotherapeutics and the integration of concepts from pathophysiology. Clinical/Nursing Learning Center component. **Prerequisites:** NU 200, 210, PY 210, BI 242, BI 242L, KI 273. **Corequisites:** BI 382, EN 202.

NU 300. Focused Family Care (6)

Emphasis will be on family health promotion and preventive care during the reproductive years. Focus will be preconception through adolescence. Application of pharmacology pertaining to children and families and genetic content will be incorporated. Clinical/Nursing Learning Center component. **Prerequisites:** NU 203, BI 382, EN 202.

NU 302. Family Mental Health (3)

The stressors that impact the health of the family will be explored. Nursing practice in families experiencing acute and chronic mental illness will be emphasized. Application of pharmacology pertaining to mental disorders will be incorporated. **Prerequisite:** NU 300. **Corequisites:** NU 303, MA 224.

NU 303. The Family With Acute and Chronic Health Needs (6)

The impact of illness or injury that affects 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. **Prerequisite:** NU 300. **Corequisites:** NU 302, MA 224.

NU 400. The Family with Complex Health Needs (7)

The impact of multifactorial complex health needs on the family will be explored. Critical thinking, evidence-based practice, nursing management of clients and application of pharmacology pertaining to complex health needs will be practiced within high acuity settings. Family presence in such settings and also end of life issues will be incorporated. Clinical component. **Prerequisites:** NU 302, 303. **Corequisite:** NU 401.

NU 401. The Family Within the Community (5)

Critical thinking in the nursing management of individuals within the family context will address gender specific health and vulnerable individuals. The safety and wellbeing of the family within the community will be emphasized. The environmental impact on the health of families will be a focus. Global health and cultural competency issues will be addressed. Clinical component. **Prerequisites:** NU 302, 303. **Corequisite:** NU 400.

NU 402. Leadership and Management in Professional Nursing (7)

A capstone course in which students demonstrate competency in caring for the family. An investigation of theories and principles of leadership and management applied within professional nursing practice. Students practice professional nursing in a variety of health care settings under the mentorship of a preceptor. Nursing on health care trends within the context of regional, national and international arenas will be explored. Clinical component. **Prerequisites:** NU 400, 401. **Corequisite:** NU 403.

NU 403. Nursing Research (3)

An analysis of the research process. Students will be guided in applying and incorporating research into evidence-based nursing practice. A research project is required. **Prerequisites:** NU 400, 401, MA 224. **Corequisite:** NU 402.

OFF-CAMPUS (OC)

Students granted acceptance for approved Northwest Nazarene University off-campus study programs will use the course numbers listed below along with the off-campus program course title.

OC 194. Topics (1-16)

An entry level off-campus program of study. May be repeated for credit under a different title. **Prerequisites:** Academic advisor's permission on pre-registration schedule, off-campus program acceptance, and approved NNU application for off-campus study.

OC 294. Topics (1-16)

A sophomore level off-campus program of study. May be repeated for credit under a different title. **Prerequisites:** Academic advisor's permission on pre-registration schedule, off-campus program acceptance, and approved NNU application for off-campus study.

OC 394. Topics (1-16)

A junior level off-campus program of study. May be repeated for credit under a different title. **Prerequisites:** Academic advisor's permission on pre-registration schedule, off-campus program acceptance, and approved NNU application for off-campus study.

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OC 494. Topics (1-16)

A senior level off-campus program of study. May be repeated for credit under a different title. **Prerequisites:** Academic advisor's permission on pre-registration schedule, off-campus program acceptance, and approved NNU application for off-campus study

PHYSICS (PH)

PH 106. 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.

PH 106L. Descriptive Astronomy Laboratory (1)

A laboratory course taught in connection with PH 106. Observational and laboratory activities are included, some in the evenings. **Corequisite:** PH 106.

PH 111. 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:** MA 130, 140, or pass the COMPASS math examination through trigonometry. **Corequisite:** PH 111L.

PH 111L. College Physics Laboratory I (1)

The laboratory uses the discovery approach to physical principles. The laboratory will cover basic labs in mechanics, wave motion and heat. **Corequisite:** PH 111.

PH 112. 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:** PH 111; MA 130, 140; or pass the COMPASS math examination through trigonometry. **Corequisite:** PH 112L.

PH 112L. College Physics Laboratory II (1)

The laboratory uses the discovery approach to physical principles. The laboratory will cover basic labs in electricity and magnetism, light and optics. **Corequisite:** PH 112.

PH 211. 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. **Prerequisite:** MA 251. **Corequisite:** PH 211L.

PH 211L. Physics for Science and Engineering Laboratory I (1)

The laboratory uses the discovery approach to physical principles. Selected experiments from the fields of mechanics, wave motion and heat will be performed. **Corequisite:** PH 211.

PH 212. Physics for Science and Engineering II (3)

A comprehensive calculus based examination of the fields of physics. Designed for science students whose career goals are in engineering, physics, chemistry, medicine and veterinary science. Topics covered include electricity and magnetism, and light and optics. **Prerequisite:** MA 251, 252. **Corequisite:** PH 212L.

PH 212L. Physics for Science and Engineering Laboratory II (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. **Corequisite:** PH 212.

PH 231, 232. Instrumentation in Experimental Physics I and II (1 each)

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. Includes using instrumentation software such as LabVIEW to design virtual instruments and interface hardware. Error analysis of measurements is also studied. **Prerequisites:** PH 211, 212.

PH 294. 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. May be repeated for credit. **Prerequisite:** Instructor's permission.

PH 313. 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:** PH 212. **Pre/Corequisite:** MA 354. **Corequisite:** PH 313L.

PH 313L. 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.

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Experiments performed will include determining electron charge to mass ratio, lattice spacing determination using low-energy electron diffraction, nuclear decay rate measurements, and others pertaining to topics covered in class. **Corequisite:** PH 313.

PH 341. 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. **Pre/Co-requisites:** PH 211; MA 353, 354. Offered alternate years.

PH 342. 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. **Pre/Corequisites:** PH 211; MA 353, 354. Offered alternate years.

PH 351. 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:** PH 211; MA 353. Offered alternate years.

PH 394. 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. May be repeated for credit. **Prerequisites:** PH 212, MA 354.

PH 461. 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. **Pre/Corequisites:** PH 212; MA 353, 354. Offered alternate years.

PH 472. 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. **Prerequisite:** PH 313; MA 353, 354. Offered alternate years.

PH 481. Fundamentals of Quantum Mechanics (3)

A beginning course in quantum mechanics which starts with the postulates and derives Schrodinger's equation from physical optics principles. Several simple systems are studied and the properties of eigen functions are used to introduce matrix methods and operator theory. Emphasis is placed on mathematical formalism with applications to atomic systems. **Prerequisites:** PH 313; MA 353, 354. Offered alternate years.

PH 497. Research (1)

Participation with a faculty member in an individual investigative project or literature review. May be repeated for credit. Required of all physics and engineering physics majors.

PH 498. Senior Seminar (1)

Required of and limited to seniors. Involves a written and oral presentation of work completed in PH 497 or EG 497. **Prerequisite:** Instructor's permission.

PHILOSOPHY (PL)

PL 201. 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.

PL 202. 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.

PL 301. 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.

PL 302. 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.

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PL 306. Critical Reasoning (2)

An introduction to the science and art of reasoning, including both deductive and inductive reasoning processes. Basic concepts such as validity, soundness, strength, and argument evaluation will be covered. The course will be primarily concerned with uncovering pitfalls in everyday reasoning, e.g., probabilistic reasoning, informal fallacies, biases and distortions in perception and memory, context and emotion in thought processes, and social aspects of reasoning and persuasion.

PL 307. Formal Logic (2)

An introduction to the characteristics of valid argumentation, including the recognition, recasting, construction, and evaluation of arguments and statements. The principles of symbolic logic, including both the syntax and the semantics of the sentential and the predicate calculus, will be covered. Offered alternate years.

PL 341. 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 TH 341) Offered alternate years.

PL 351. Philosophy of Science (2)

A survey of the important epistemological foundations of scientific investigation. The study will provide students with an opportunity to make critical evaluation of these foundations. The nature of scientific inquiry and discovery will be examined historically. The course will also focus attention on ethical implications of scientific investigations and will stress interdisciplinary dialogue.

PL 358. Love (3)

An examination of theological and philosophical aspects of love. There will be a spiritual formation project. **Prerequisite:** TH 211. (See TH 358)

PL 360. Clinical Ethics (2)

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. **Prerequisites:** PL 201 or 202.

PL 394. 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. May be repeated for credit. Offered alternate years.

PL 421. 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. **Prerequisite:** 4 credits in philosophy; or, Instructor's permission. Offered alternate years.

PL 442. Metaphysics and Epistemology (3)

A systematic study of the structure and meaning of reality as well as the nature of knowledge and what constitutes a valid knowledge claim. The study may include such issues as space, time, causation, universals, possible worlds, freedom, God, skepticism, other minds, belief, truth and justification. **Prerequisite:** 4 credits in philosophy; or, Instructor's permission. Offered alternate years.

PL 452. 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. **Prerequisite:** 4 credits in philosophy; or, Instructor's permission. Offered alternate years.

PL 498. 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. **Prerequisite:** 6 credits in philosophy; or, Instructor's permission. Offered alternate years.

STEP PROGRAM

PL 312. Philosophical Concepts (3)

An introduction to basic philosophical concepts. Special attention will be given to understanding and critical response. **Prerequisite:** Admission to the STEP Program.

POLITICAL SCIENCE (PS)

PS 101. 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.

PS 103. 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

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the development of reading, writing and critical thinking skills and examines historical and contemporary political issues rooted in perennial questions about justice.

PS 105. 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.

PS 331. 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.

PS 333. 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 HS 333). Offered alternate years.

PS 341. 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.

PS 352. 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.

PS 361. Comparative Politics (3)

An in-depth study of how nations are governed and how different political systems operate. This course examines how modern political systems try to resolve complex domestic and international problems. Topics include nation-building, the role of ideology and leadership, and the relationship between political and economic development. Offered alternate years.

PS 394. 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. **Prerequisite:** Instructor's permission.

PS 441. 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.

PS 442. 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. Offered alternate years. **Prerequisite:** PS 441; or, Instructor's permission.

PS 456. 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.

PS 496. 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. **Prerequisite:** Instructor's permission.

PS 497. 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.

PS 498. 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. May be repeated for credit. **Prerequisite:** Instructor's permission. Offered alternate years.

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PRACTICAL THEOLOGY (PT)

PT 144/244/344/444. 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.

PT 171. 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.

PT 172. Introduction to Evangelism (1)

An introduction to personal and group evangelistic procedures. The philosophy of evangelism, the history of evangelistic methods, methods in personal evangelism, and other related topics will be presented.

PT 240. 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.

PT 260. Foundations for Cross-Cultural Ministry (1)

Exploration of various issues related to the call to and preparation for missionary service. Aptitude for cross-cultural service and conflict management skills will be emphasized. Fee required.

PT 296/396. Field Experience in Christian Ministry (1 each)

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. **Prerequisite for PT 296:** PT 171. **Prerequisite for PT 396:** PT 296. Fee required.

PT 310. Pastoral Theology (2)

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. **Prerequisite:** PT 171.

PT 321. Spiritual Formation and Christian Discipleship (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. **Prerequisite:** PT 171. Fee required.

PT 322. Worship Theory and Development I (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.

PT 324. 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. **Prerequisite:** PT 322.

PT 340. Cross-Cultural Communication of the Gospel (2)

An advanced 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:** TH 211, PT 240. Fee required.

PT 371. Preaching (2)

A study of the preparation and delivery of sermons within the context of worship, including practice preaching. **Prerequisites:** BL 311 or 312; CO 121.

PT 375. 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. Fee required.

PT 388. 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. Fee required.

PT 394. Topics in Practical Theology (1-3)

An examination of some phase of practical theology not covered in other courses. May be repeated for credit.

PT 471. Church Growth and Health (2)

A study of church growth and development with special emphasis on church health. Attention will be given to the skills of observation of church and community, both

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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. Fee required.

PT 476. Communicating the Gospel (2)

An advanced study utilizing visual elements in teaching and preaching. Special attention is given to the use of visual metaphors in biblical communication.

PT 482. 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. Fee required.

PT 496. Internship in 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:** PT 171, PT 296, PT 396 or Instructor's permission. Fee required.

PSYCHOLOGY (PY)

PY 125. 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.

PY 155. 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.

PY 210. 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. **Prerequisite:** PY 155.

PY 211. 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. **Prerequisite:** sophomore classification. (See ED 211).

PY 274. Helping Skills (2)

An introduction to the principles of counseling and psychotherapy and identification of and practice in the basic helping skills. **Prerequisite:** PY 155.

PY 336. 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:** PY 155 and 210 or SW 285.

PY 345. 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. **Prerequisite:** PY 125 or 155.

PY 355. Psychology of Religion (2)

A study of the psychological implications of religious experience and a comparison of psychological and religious views of human behavior. **Prerequisite:** PY 155. Offered alternate years.

PY 364. 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. **Prerequisite:** 6 credits in psychology or related field. **Corequisite:** PY 364L.

PY 364L. Experimental Design and Statistical Analysis Laboratory I (1)

Students will be introduced to SPSS and the process of independent data collection. **Corequisite:** PY 364.

PY 365. 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. **Prerequisite:** PY 364. **Corequisite:** 365L.

PY 365L. Experimental Design and Statistical Analysis Laboratory II (1)

Students will participate in group and individual data collection and advanced SPSS procedures and interpretation. **Corequisite:** PY 365.

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PY 366. 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: PY 155 and PY 210.

PY 375. Counseling Theory (2)

A study of the fundamental theories of counseling and psychotherapy, with emphasis on the psychological processes involved in counseling. **Prerequisite:** 3 credits in psychology.

PY 376. 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:** PY 155 and PY 210 or SW 285. Offered alternate years.

PY 385. 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: BI 201, 203, or BI 221. **Corequisite:** PY 385L Offered alternate years. (See BI 385)

PY 385L. 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. **Corequisite:** PY 385. Offered alternate years. (See BI 385L)

PY 394. 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.

PY 396. 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. **Prerequisite:** Instructor's permission.

PY 411. Psychology of Learning (3)

An examination of the basic principles and theories of learning with major attention given to the problems of human learning. **Prerequisite:** 9 credits in psychology. **Corequisite:** PY 411L.

PY 411L. Psychology of Learning Laboratory (1)

Students will be involved in an animal behavior lab experience. **Corequisite:** PY 411.

PY 435. Personality Theory (3)

A study of the development, structure, and modification of human personality. Modern theories of personality are submitted to critical analysis. **Prerequisite:** 6 credits in psychology. Offered alternate years.

PY 455. 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. **Prerequisites:** 3 credits in sociology or 3 credits in psychology. (See SO 455).

PY 461. 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. **Prerequisite:** 12 credits in psychology. Offered alternate years.

PY 472. 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. **Prerequisite:** PY 375 or SW 355. **Corequisite:** PY 472L (See SO 472)

PY 472L. Group Theory and Processes Laboratory (1)

The student will participate as a member of a personal growth group experience. **Corequisite:** PY 472.

PY 475. History and Systems of Psychology (2)

An historical survey of modern psychology and an analysis of its classical systems and contemporary theories. **Prerequisite:** 16 credits in psychology. Offered alternate years.

PY 495. Practicum in Mental Measurement (3)

An introduction to the most widely used, individually administered intelligence tests: Kauffman Assessment Battery for Children (K-ABC), the Wechsler Intelligence Test series (WPPSI, WISC-III, WAIS-III), and the Stanford Binet Intelligence Scale. Administration, scoring, interpretation and report writing are emphasized. **Prerequisites:** PY 461; Instructor's permission. Offered alternate years.

PY 497. Research (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:** PY 364, 365, and Instructor's permission.

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RELIGIOUS STUDIES (RS)

RS 356. World Religions: Asian Traditions (2)

A historical, descriptive, and theological examination of the great religious traditions originating in Asia, including Hinduism, Buddhism, Taoism, Confucianism, and Shintoism. **Prerequisites:** BL 111, TH 211.

RS 357. World Religions: Western Traditions (2)

A historical, descriptive, and theological examination of the dominant Western monotheistic traditions of Judaism, Christianity, and Islam. Special attention will be given both to each tradition's uniquenesses as well as to their historical and theological connections. A brief study of Zoroastrianism will be included. **Prerequisites:** BL 111, TH 211.

RS 394. Topics in Religious Studies (1-3)

An examination of some phase of religious studies not covered in other courses. May be repeated for credit.

RS 440. 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:** BL 111, TH 211. Offered alternate years.

RS 460. 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. **Prerequisite:** BL 312. Offered alternate years.

SOCIOLOGY (SO)

SO 155. 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.

SO 203. 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. Offered alternate years.

SO 204. 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. Offered alternate years.

SO 225. 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.

SO 243. 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: SO 155. Offered alternate years.

SO 252. Criminology (3)

A study of the causes and types of crime and deviance and of the classes and nature of offenders. Means of treating the offender and of prevention are also considered.

Recommended: SO 155 or SO 243. Offered alternate years.

SO 253. Juvenile Delinquency (3)

A study of the forms, causes, and consequences of juvenile deviance. Means for treating the offender and of prevention are also considered. **Recommended:** SO 155 or SO 243. Offered alternate years.

SO 318. Race, Class and Ethnicity (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:** SO 155 or SO 243. Offered alternate years.

SO 325. 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.

Prerequisite: SO 155 or EC 105 or PS 105. Offered alternate years.

SO 334. Sociology of the Family (3)

A study of the nature and diversity of marriage and family relationships and of

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perspectives for investigating and understanding the social issues and forces impacting them with the aim of clarifying standards and objectives. **Recommended:** SO 155. Offered alternate years.

SO 355. 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:** SO 155, 204, or 243. Offered alternate years.

SO 455. 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. **Prerequisites:** 3 credits in sociology or 3 credits in psychology. (See PY 455).

SO 472. Group Theory and Processes (3)

A study of historical and contemporary settings of groups and theoretical foundations of group work, with experience involving group dynamics. **Prerequisite:** PY 375 or SW 355. **Corequisite:** SO 472L (See PY 472)

SO 472L. Group Theory and Processes Laboratory (1)

The student will participate as a member of a personal growth group. **Corequisite:** SO 472. (See PY 472L)

SPANISH (SP)

SP 101, 102. Elementary Spanish (4 each)

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.

SP 201, 202. Intermediate Spanish (4 each)

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. **Prerequisite:** SP 102 or equivalent.

SP 301. 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. **Prerequisite:** SP 202; or, Instructor's permission. Alternates with SP 322.

SP 322. Spanish for Business (3)

A study of language, forms, and culture for conducting business in the Hispanic world. Useful for students majoring in business or for the general student. Students who are Business Administration majors will consult with a faculty advisor from the Business Department for the field placement and conditions. **Prerequisite:** SP 202; or, Instructor's permission. Alternates with SP 301.

SP 323. Spanish for the Medical Professional (3)

A study of language, forms and culture for medical practitioners. Useful for students majoring in nursing, biology or chemistry. Basic conversation and communication are taught, along with highly specialized terminology. May be repeated for credit.

SP 331. Hispanic Civilization (3)

Historical survey to the present with focus on varying themes from sociology, politics, religion and literature. The course alternates between focus on Hispanoamerica and Spain in coordination with SP 351 Survey of Hispanic Literature. May be repeated once for credit. **Prerequisite:** SP 202; or, Instructor's permission.

SP 342. Introduction to Spanish Linguistics (3)

A study of the basics of phonetics, phonology, syntax, and lexicon of Spanish. **Prerequisite:** SP 201; or, Instructor's permission. Alternates with SP 341.

SP 351. 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 focus Hispanoamerica and Spain in coordination with SP 331 Hispanic Civilization. May be repeated once for credit. **Prerequisite:** SP 202; or, Instructor's permission. Offered yearly.

SP 363. 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. **Prerequisite:** Junior classification. **Co-requisite:** ED 342, 343. (See ED 363).

SP 394. 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. May be repeated for credit. **Prerequisite:** Instructor's permission if course is taught in Spanish.

SP 497. Senior Thesis (3)

A capstone experience involving the writing of a major research paper under the close supervision of a modern language faculty member. The paper is subject to multiple

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stages of criticism and rewriting. Required of all Spanish majors.

SOCIAL WORK (SW)

SW 172. Social Welfare in Contemporary Society (3)

An introduction to the recurrent needs of citizens and how society is organized to respond to these needs. 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. Also, the course includes a review of the history and current nature of social welfare services.

SW 211. Introduction to Social Work (3)

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. 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.

SW 285a/b. Human Behavior and the Social Environment I, 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. **Co/Prerequisites:** SW 211, BI 106, BI 106L, PY 155, SO 155 or SO 203, and PS 103 or EC 105.

SW 296. 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. This course may be repeated for additional credit. May be repeated for a maximum of four credits. **Prerequisite:** SW 172 or SW 211; or, Instructor's permission.

SW 297. Urban Field Experience (1)

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:** SW 172 or 211; and Instructor's permission.

SW 325. Substance Abuse, Prevention, and Intervention (3)

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.

Prerequisite: SW 172 or 211; or, Instructor's permission. Offered alternate years.

SW 335. Child Welfare Services (3)

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.

Prerequisite: SW 172 or 211; or, Instructor's permission. Offered alternate years.

SW 345. 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.

Prerequisite: SW 172 or 211; or, Instructor's permission. Offered alternate years.

SW 355a/b. Social Work Methods I, II (2)

A presentation of the basic skills, values, and knowledge bases for social work practice. The systemic contexts for the profession, its clients, and the nation's social welfare policies will form the background for instruction. The ecosystems perspective for social work practice will be used to focus on the individual and family client systems.

Prerequisites: SW 211, 285a/b, and acceptance into Methods Sequence. **Co-requisite:** SW 359a.

SW 356a/b. Social Work Methods III, IV (2, 2)

An extension of the first practice methods courses (SW 355a/b). 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. **Prerequisite:** SW 355a/b. **Co-requisite:** SW 359a/b.

SW 359a,b,c. Skills Practicum (1, 1)

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 profession. During this junior year practicum setting, each student shall practice using the planned-changed/intervention process (including assessment, goal setting,

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development of strategies, action plans, termination, and evaluation). **Co-requisites:** SW 355a/b or 356a/b.

SW 375. Social Welfare Policy (3)

An investigation of the history, development, and current nature of welfare policies in the United States. Some comparative material with other developed and developing 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. **Prerequisite:** SW 172 or 211.

SW 397a/b. Social Work Research and Statistics I, II (2, 2)

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 how to employ descriptive, exploratory, explanatory, and evaluative research (and supportive statistical tools) to assess one's professional practice and agency programs. The course will include an introductory review and use of SPSS (Statistical Package for the Social Sciences). **Prerequisites:** SW 211, 285a/b.

SW 494. Topics in Social Work (1)

A workshop format course designed to cover current topics of interest in the field of social work. This course may be repeated for credit. **Prerequisite:** SW 285.

SW 496a,b,c. Advanced Practicum in Social Work (4, 4, 4)

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. **Prerequisites:** SW 355a/b, 356, 359a/b. **Co-requisites:** SW 498a, b.

SW 498a,b,c. Senior Field Seminar (1, 1, 1)

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. **Co-requisite:** SW 496a/b/c.

STUDY SKILLS COURSES (ST)

ST 121. College Study Methods (1)

Course content will include techniques for academic success at the university level with emphasis on the individual student's course work. Subjects to be included are time-management techniques, note-taking and listening skills, reading and critical thinking development, and essay and objective test taking tips. Topics of special interest to the individual student may also be included.

ST 132. Computer Applications - Introduction to Word (1)

A self-study course of introductory word processing concepts using Word. This course will be graded Pass/Fail.

ST 133. Computer Applications - Introduction to Excel (1)

A self-study course of basic spreadsheet concepts using Excel. This course will be graded Pass/Fail.

ST 135. Computer Applications - Introduction to PowerPoint (1)

A self-study course introducing PowerPoint. This course will be graded Pass/Fail.

ST 141. Reading Strategies (1)

A practical application of the strategies readers need to develop higher level reading and comprehension skills. Acquaints students with strategies for increasing speed, flexibility, vocabulary, and recognition of structure and organization in reading. May be repeated for credit.

ST 151. 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.

ST 161. English Mechanics and Usage (1)

An individualized study of English writing conventions and parts of speech, emphasizing writing skills necessary to develop effective prose.

ST 181. Dependable Strengths (2)

Students are provided with various opportunities to evaluate personal strengths, values, and skills and to integrate them into career plans. A variety of instructional techniques will be utilized including: guest presentations, small and large group work, classroom discussion, student presentations, and "learning through doing" activities.

ST 371. Career Class: Living a Life You Love (2)

Students focus on personal strengths, values, skills, résumé writing, interviewing, and networking, integrating them into their career plans. A variety of instructional techniques are utilized including lectures, presentations by guest speakers with expertise in a wide variety of disciplines, classroom discussion, student presentations, and "learning through doing" activities.

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STEP PROGRAM

ST 112. University Seminar (1)

A seminar course required of all new STEP students. Students will discuss time management issues, and review reading, English and research techniques. The seminar is designed to foster scholarly and personal interaction between students and to acquaint them with the values inherent in a liberal arts Christian education.

Prerequisite: Admission to the STEP Program.

THEOLOGY (TH)

TH 211. 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. **Prerequisite:** BL 111.

TH 341. 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 PL 341)

TH 354. 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: BL 111, TH 211.

TH 358. Love (3)

An examination of theological and philosophical aspects of love. There will be a spiritual formation project. **Prerequisite:** TH 211. (See PL 358).

TH 394. Topics in Theology (1-3)

An examination of some phase of theology not covered in other courses. May be repeated for credit. **Prerequisite:** TH 211.

TH 424. 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. **Prerequisite:** TH 211.

TH 453. 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. Fee required.

TH 454. 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. Fee required.

STEP PROGRAM

TH 212. 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. **Prerequisite:** Admission to the STEP Program.

TH 311. Studies in Theology (3)

An in-depth study of a selected theological topic. The specific focus of the class will be determined by the instructor and announced as the course subtitle. This course will include a spiritual formation component. **Prerequisite:** Admission to the STEP Program.



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Country Men's & Women's Coach:
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Retention Coordinator/Assistant
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Psychology**

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ANNOTATED ACADEMIC CALENDAR

2006-2007

FALL SEMESTER (FA06)

Aug 25-28	Fri-Mon	New Student Orientation, Testing, and Registration
Aug 28	Mon	Returning Student Registration
Aug 29	Tues	Classes Begin: Semester and Quad I
Aug 30	Wed	Last Day to Officially Enroll Without a Fee
Sept 1	Fri	Last Day to Add a Semester and Quad I Class Without a Fee
Sept 4	Mon	Labor Day (Student Holiday)
Sept 8	Fri	Last Day to Drop a Semester and Quad I Class Without a "W"
Sept 14	Thurs	Last Day to Add a Semester and Quad I Class With a Fee
Sept 26	Tues	Last day to Withdraw from a Quad I Class With a "W"
Oct 9	Mon	Columbus Day (Student Holiday)
Oct 18	Wed	End Quad I Classes
Oct 19-20	Thurs-Fri	Final Examinations for Quad I
Oct 23	Mon	Quad II Classes Begin
Oct 24	Tues	Quad I and Semester Mid-Term Grades Due
Oct 26	Thurs	Last Day to Add a Quad II Class Without a Fee
Nov 1	Wed	Last Day to Drop a Quad II Class Without a "W"
Nov 2	Thurs	Last Day to Add a Quad II Class With a Fee
Nov 7	Tues	Last Day to Withdraw from a 14-15 week Semester Class With a "W"
Nov 17	Fri	Last Day to Withdraw from a Quad II Class With a "W"
Nov 23-24	Thurs-Fri	Thanksgiving/Homecoming (Student Holiday)
Dec 8	Fri	Last Day of Undergraduate Classes
Dec 11-14	Mon-Thurs	Final Examinations for Semester and Quad II Classes
Dec 19	Tues	Grades Due

SPRING SEMESTER (SP07)

Jan 8	Mon	Check-In/Registration and Testing
Jan 9	Tues	Classes Begin: Semester and Quad I
Jan 10	Wed	Last Day to Enroll at NNU (register and make arrangements for payment)
Jan 12	Fri	Last Day to Add a Semester/Quad I Class without a fee
Jan 15	Mon	Martin Luther King Day (Student Holiday)
Jan 19	Fri	Last Day to Drop a Semester/Quad I Class Without a "W"
Jan 25	Thurs	Last Day to Add a Semester/Quad I Class With a Fee
Feb 6	Tues	Last Day to Withdraw from a Quad I Class With a "W"
Feb 19	Mon	President's Day (Student Holiday)
Feb 28	Wed	End of Quad I Classes
Mar 1-2	Thurs-Fri	Final Examinations for Quad I
Mar 5	Mon	Quad II Begins
Mar 6	Tues	Quad I and Semester Mid-Term Grades Due
Mar 8	Thurs	Last Day to Add a Quad II Class Without a Fee
Mar 14	Wed	Last Day to Drop a Quad II Class Without a "W"
Mar 15	Thurs	Last Day to Withdraw from 14-15 week Semester Class With a "W"
Mar 17-25	Sat-Sun	Semester Break
Mar 27	Tues	Last Day to Add a Quad II Class With a Fee
Apr 6	Fri	Last Day to Withdraw from a Quad II Class With a "W"
Apr 9	Mon	Easter Monday (Student Holiday)
Apr 27	Fri	Classes End
Apr 30-May 3	Mon-Thurs	Final Examinations for Semester and Quad II Classes
May 5	Sat	Baccalaureate and Commencement
May 8	Tues	Grades Due

ANNOTATED ACADEMIC CALENDAR

2007-2008

FALL SEMESTER (FA07)

Aug 24-27	Fri-Mon	New Student Orientation, Testing, and Registration
Aug 27	Mon	Returning Student Registration
Aug 28	Tues	Classes Begin: Semester and Quad I
Aug 29	Wed	Last Day to Enroll at NNU (Register and Make Arrangements for Payment)
Aug 31	Fri	Last Day to Add a Semester and Quad I Class without a Fee
Sept 3	Mon	Labor Day (Student Holiday)
Sept 7	Fri	Last Day to Drop a Semester and Quad I Class Without a “W”
Sept 13	Thurs	Last Day to Add a Semester and Quad I Class with a Fee
Sept 25	Tues	Last day to Withdraw from a Quad I Class with a “W”
Oct 8	Mon	Columbus Day (Student Holiday)
Oct 10	Wed	End Quad 1 Classes
Oct 11-12	Thurs-Fri	Final Examinations for Quad I
Oct 15	Mon	Quad II Classes Begin
Oct 16	Tues	Quad I and Semester Mid-Term Grades Due
Oct 18	Thurs	Last Day to Add a Quad II Class Without a Fee
Oct 24	Wed	Last Day to Drop a Quad II Class Without a “W”
Oct 25	Thurs	Last Day to Withdraw from a 14-15 week Semester Class With a “W”
Oct 30	Tues	Last Day to Add a Quad II Class with a fee
Nov 9	Fri	Last Day to Withdraw from a Quad II Class With a “W”
Nov 22-23	Thurs-Fri	Thanksgiving/Homecoming (Student Holiday)
Dec 7	Fri	Last Day of Undergraduate Classes
Dec 10-13	Mon-Thurs	Final Examinations for Semester and Quad II Classes
Dec 18	Tue	Grades Due

SPRING SEMESTER (SP08)

Jan 7	Mon	Check-In/Registration and Testing
Jan 8	Tues	Classes Begin: Semester and Quad I
Jan 9	Wed	Last Day to Enroll at NNU (Register and Make Arrangements for Payment)
Jan 11	Fri	Last Day to Add a Semester/Quad I Class without a fee
Jan 14	Mon	Martin Luther King Day (Student Holiday)
Jan 18	Fri	Last Day to Drop a Semester/Quad I Class Without a “W”
Jan 24	Thurs	Last Day to Add a Semester/Quad I class with a fee
Feb 5	Tues	Last Day to Withdraw from a Quad I Class with a “W”
Feb 18	Mon	Presidents Day (Student Holiday)
Feb 27	Wed	End of Quad I Classes
Feb 28-29	Thurs-Fri	Final Examinations for Quad I
March 3	Fri	Quad II Begins
Mar 4	Tues	Quad I and Semester Mid-Term Grades Due
Mar 5	Wed	Last Day to Add a Quad II Class Without a Fee
Mar 11	Tues	Last Day to Drop a Quad II Class Without a “W”
Mar 13	Thurs	Last Day to Withdraw from a 14-15 week Semester Class With a “W”
May 14	Fri	Last Day to Add a Quad II Class With a Fee
Mar 15-24	Sat-Mon	Semester Break and Easter Monday (Student Holiday)
Apr 3	Thurs	Last Day to Withdraw from a Quad II Class with a “W”
April 25	Fri	Classes End
Apr 28-May 1	Mon-Thurs	Final Examinations for Semester and Quad II Classes
May 3	Sat	Baccalaureate and Commencement
May 6	Tues	Grades Due

