

**FEATURED
CLASSES**

PG 7
**COLLEGE
COMPOSITION
II**

PG 21
**MODERN
SOFTWARE
DEVELOPMENT**

PG 25
**WONDERS
OF WEATHER**

Early-Entry Catalog

GET STARTED ON YOUR DEGREE WHILE IN HIGH SCHOOL.

NDSU

CONTINUED LEARNING

WELCOME

FROM THE DIRECTOR ✍️

These final years of your high-school education are important for achieving your educational goals. While the thought of enrolling in a college course in high school can be both daunting and exciting, know that NDSU's Office of Teaching and Learning (OTL) is here to support you every step of the way. OTL's support for you as an early-entry student begins before you even enroll in a course at NDSU. We offer individualized course counseling to identify classes that meet your curriculum needs for your intended college major. Once you have decided to take college courses through NDSU, we support your application and registration process. Our support continues with live and recorded learning sessions that walk you through setting up your NDSU accounts and ongoing support if you have questions about things like finding tutoring, accessing resources, or getting a copy of your transcript. Continue reading through this catalog for more important information about early entry.

Welcome to NDSU!

Sincerely,



Dr. Stacy Duffield, Director

Stacy.Duffield@ndsu.edu | 701.231.7015

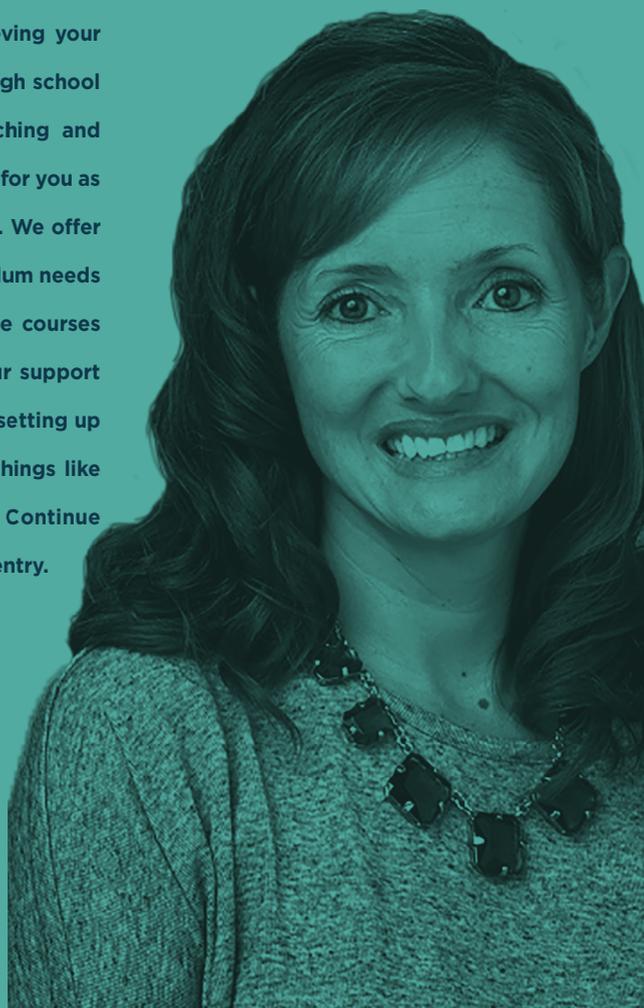


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THE DECISION TO
TAKE EARLY-ENTRY
CLASSES AT NDSU IS
AN INVESTMENT IN
YOUR FUTURE.

EARLY-ENTRY CLASSES



Early-entry classes are your opportunity to explore subject areas in which you excel or have a deep interest. These courses are taken in addition to your high-school classes, but do not require approval from your high school to enroll. However, you may choose to seek approval from your high-school counselor for credit. Summer session is an excellent time to take these courses, but you can take them any semester your schedule allows. Courses listed are available online to students from anywhere. There are additional face-to-face classes, not listed in this catalog, that are available for those who choose to come to campus. To earn high-school credit for early-entry classes, we suggest you speak with your school counselor before applying and registering.

View more information & a full course list at https://bit.ly/early_entry.

EXPLORE ONLINE!

90+ CLASSES

*Offerings subject to change without notice. Textbooks or other required materials are not included in the tuition.

EARLY-ENTRY CLASSES

E

EARLY ENTRY

ALPHABETICAL LIST

Abnormal Psychology

Survey of the classification, symptoms, and etiology of psychological disorders. Attention given to diagnosis, etiology, and treatment according to prominent theoretical perspectives. Focus on empirical basis for understanding these problems. Prereq

**PSYC 270 | 3 CREDITS
CATEGORY: B**

Academic Success & Careers

Provides an introduction to the nursing profession and immerses students in activities to facilitate academic success, teamwork, and professionalism.

**NURS 150 | 1 CREDIT
CATEGORY: B**

Aesthetic/Visual Analysis/Apparel Production

Analysis of aesthetics and design principles and their application to apparel and textiles products, environment and oneself.

**ARMD 181 | 3 CREDITS
CATEGORY:**

Agricultural Marketing

Study of the agricultural marketing system to include cash marketing, commodity futures trading, branded products merchandising and the interrelationship of the government and international trade.

**AGEC 244 | 3 CREDITS
CATEGORY:**

Athletic Training Medical Terminology

Medical terminology related to athletic training and other allied health professions.

**HNES 260 | 1 CREDIT
CATEGORY:**

A
A



Basic Linear Algebra

Systems of linear equations, matrices, determinants, vector spaces, lines and planes in space, linear transformations, eigenvalues and eigenvectors. Credit awarded only for MATH 128 or MATH 129, not both. Prereq

MATH 129 | 3 CREDITS
CATEGORY: ☑

Business Ethics

Many of the central moral issues of business, such as consumer rights, advertising, employee rights, and business competition, are examined in light of the major ethical theories, such as Utilitarianism, Kantianism, and Relativism.

PHIL 216 | 3 CREDITS
CATEGORY: A & G

Business Software Applications

Instruction on the use of popular spreadsheet and database software applications including how and when to apply the features of these types of applications to address a variety of business problems. Content emphasizes leveraging widely used business tools via hands-on activities. Credit will be awarded only for TL 116, MIS 116, CSCI 114, or CSCI 116 but not more than one.

TL 116 | 3 CREDITS
CATEGORY: S

Calculus I

Limits, continuity, differentiation, Mean Value Theorem, integration, Fundamental Theorem of Calculus and applications. Prereq

MATH 165 | 4 CREDITS
CATEGORY: R

Calculus II

Applications and techniques of integration; polar equations; parametric equation; sequences and series, power series. Prereq

MATH 166 | 4 CREDITS
CATEGORY: ☑

Calculus III

Multivariate and vector calculus including partial derivatives, multiple integration, applications, line and surface integrals, Green's Theorem, Stoke's Theorem, and Divergence Theorem. Prereq

MATH 265 | 4 CREDITS
CATEGORY: ☑

Chemical Concepts and Applications

Introduction to general and organic chemistry, with applications drawn from the health, environmental, and materials sciences. Prereq

CHEM 117 | 3 CREDITS
CATEGORY: S

Child Development

Study of children, three years through middle childhood. Emphasis on social, cognitive, physical, and emotional development. Prereq

HDFS 330 | 3 CREDITS
CATEGORY: ☑

Circuit Analysis I

Linear electric circuits. Component models, circuit laws, transient analysis, design issues, computer tools. Prereq

EE 206 | 4 CREDITS
CATEGORY: ☑

Climate Change and Energy

Exploration and analysis of Earth system processes, geologic and instrumental records of global-scale climate change, and the interrelationship of climate change and energy consumption from fossil fuels.

GEOL 201 | 3 CREDITS
CATEGORY: S

College Algebra

Relations and functions, equations and inequalities, complex numbers; polynomial, rational, exponential and logarithmic functions; systems of equations, and matrices. Prereq

MATH 103 | 3 CREDITS
CATEGORY: ☑

College Composition I

Guided practice in the reading & writing of various genres for different situations and audiences. Includes research on the web & in the library. Prereq

ENGL 110 | 3 CREDITS
CATEGORY: C

College Composition II

Advanced practice in reading and writing of various genres for different situations & audiences. Includes field research, collaboration, & visual communication. Prereq

ENGL 120 | 3 CREDITS
CATEGORY: C

PATHWAYS
GUIDE

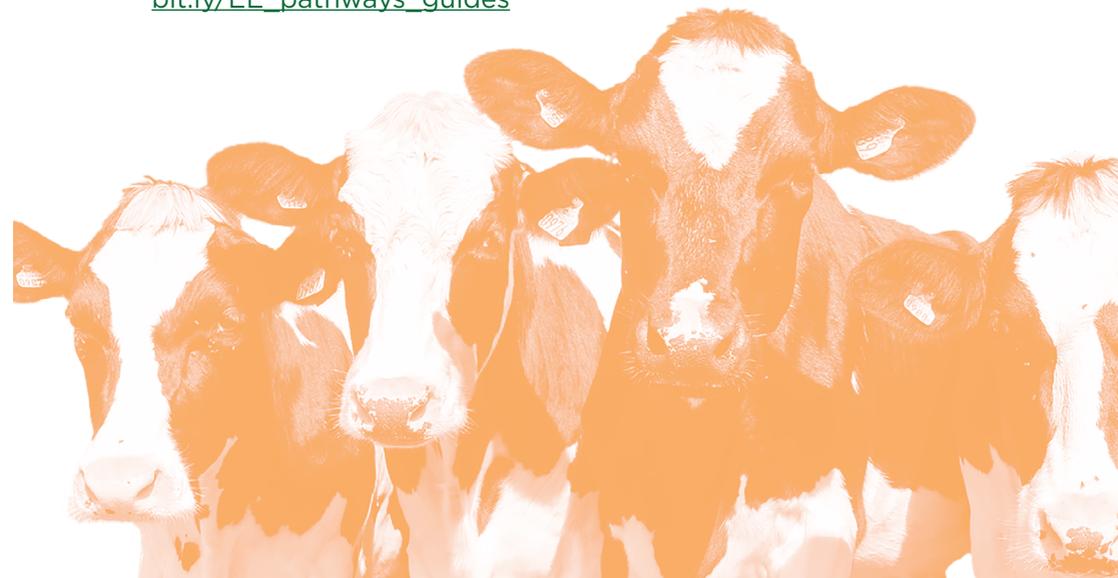


ANIMAL Science

The physiology, nutrition, genetics, reproduction, marketing, management and husbandry of livestock and companion animals.

Find this guide and more at >>

bit.ly/EE_pathways_guides





Computer Applications

General introduction to computer concepts, operating systems, the internet, word processing, spreadsheets, database management, and presentation software. Credit awarded only for CSCI 114 or CSCI/MIS/TL 116, not both.

CSCI 114 | 3 CREDITS
CATEGORY: S

Computer Science I

Introduction to computer science including problem solving, algorithm development, and structured programming in a high-level language. Emphasis on design, coding, testing, and documentation of programs using accepted standards of style. Prereq

CSCI 160 | 4 CREDITS
CATEGORY: S

Computer Science II

Continuation of CSCI 160 that emphasizes more advanced programming language features and basic data structures. Students will learn to incorporate advanced programming features such as Interfaces and Generics into the programs they develop. Prereq

CSCI 161 | 4 CREDITS
CATEGORY: S

Computer Science Problem Solving

Computer-based problem solving techniques are introduced in the context of the Internet, including web-site development. Programming concepts, data structures and algorithms, as well as modeling techniques are discussed.

CSCI 159 | 3 CREDITS
CATEGORY: R

Computing Fundamentals in Python I

Introduction to programming concepts, with focus on flow control, basic data structures, and functions. The first in a three-course sequence using the Python programming language. Prereq

CSCI 227 | 3 CREDITS
CATEGORY: S

Computing Fundamentals in Python II

Introduction to programming concepts, with focus on the object-oriented programming paradigm, linear data structures, positional lists, iterators, and basic algorithm analysis. The course is the second in a three-course sequence using the Python programming language. Prereq

CSCI 228 | 3 CREDITS
CATEGORY: S

Concepts of Biology

Introduction to a wide range of biological topics, from the organism, ecology, and evolution to the cell, molecular biology, and genetics. For credit as a lecture/lab pair, students should take BIOL 100L as a co-requisite.

BIOL 111 | 3 CREDITS
CATEGORY: S

Concepts of Fitness & Wellness

Facts about exercise and physical fitness.

HNES 100 | 2 CREDITS
CATEGORY: W

Contemporary Moral Issues

Many contemporary moral issues, such as the developed world's duties to the developing world, war, ethical technology, and gender issues are examined in light of the major ethical theories, such as Utilitarianism, Kantianism, and Relativism.

PHIL 215 | 3 CREDITS
CATEGORY: A & D

Couples, Marriages and Families

Study of the formation of relationships in varied contexts: examines the diversity of couples, marriages, and families that exists in our contemporary society. Emphasis will be on relationship health as well as barriers to relationship wellness.

HDFS 242 | 3 CREDITS
CATEGORY: W

Creative Writing Camp

Offered summers only.

ENGL 220 |
CATEGORY: S

Criminology

Study of criminal behavior and the measurement of crime and victimization. Major theories of crime causation and specific types of crime are examined.

CJ 230 | 3 CREDITS
CATEGORY: S

Cultural Diversity

Analysis of lifestyles and characteristics of racial, cultural, and ethnic groups in society. Review of processes of discrimination, prejudice, and related dehumanizing biases toward culturally diverse groups including women.

SOC 235 | 3 CREDITS
CATEGORY: B & D

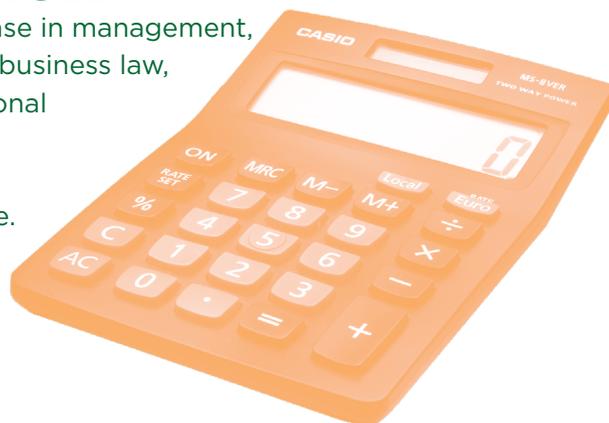


BUSINESS Administration

Obtain a broad knowledge base in management, marketing, entrepreneurship, business law, accounting, finance, international business, and management information systems - with a blend of theory and practice.

Find this guide
and more at >>

bit.ly/EE_pathways_guides





Cultural Psychology

Examines the different ways in which cultural variables affect human cognition, emotion, and behavior. Uses the lens of culture to consider topics such as cognition and emotion, personality, psychopathology, the self, prejudice and intergroup relations, and cultural conflict (e.g., terrorism, genocide). Prereq

PSYC 216 | 3 CREDITS
CATEGORY: ☑

Developmental Psychology

Survey of the psychology of human life span development. Coverage also includes heredity and prenatal development. Prereq

PSYC 250 | 3 CREDITS
CATEGORY: ☑

Digital Design

Introduction to computer arithmetic, designing combinatorial circuits, and designing basic sequential circuits. Prereq.

ECE 275 | 4 CREDITS
CATEGORY: ☑

Discrete Mathematics

Sets, functions, relations, logic, methods of proof, mathematical induction, combinatorics, recurrence relations, generating functions. Prereq

CSCI 222 | 3 CREDITS
CATEGORY: ☑

Diversity and Multiculturalism

Includes the study of developmental and family issues as viewed from a perspective of diversity and multiculturalism. Understand the role of factors such as race, ethnicity, social class, religion, sexual orientation, gender identity, and disability in developmental and family processes.

HDFS 275 | 3 CREDITS
CATEGORY: B & D

Elements of Accounting I

An introduction to accounting to enable the student to achieve a working knowledge of accounting and its uses. Emphasizes the basic concepts and approaches of accounting applied to businesses, the accounting cycle, and the preparation of the income statement and balance sheet. Co-req

ACCT 200 | 3 CREDITS
CATEGORY: ☑

Elements of Accounting II

Emphasizes the use of accounting information as a basis for decision-making. Topics include the statement of cash flows, financial statement analysis, and managerial accounting (budgeting, job-order costing, cost-volume-profit analysis, short-term decision making, and capital budgeting). Prereq

ACCT 201 | 3 CREDITS
CATEGORY: ☑

Elements of Economics

Study of demand and supply, competitive and noncompetitive markets, concepts of national income, unemployment, inflation, money, and fiscal and monetary policies. This course cannot be substituted for ECON 201 and ECON 202.

ECON 105 | 3 CREDITS
CATEGORY: B

Emergencies, Disasters, and Catastrophes

An overview of emergencies, disasters, & catastrophes from a social, political, historical, policy, environmental, international & cross-cultural perspective. Focuses on differences in these events in terms of scale as well as cause from the disaster phase approach.

EMGT 101 | 3 CREDITS
CATEGORY: B

Engineering Mechanics I

Scaler & vector approaches to trusses, frames & machines, internal forces, friction forces, center of gravity, centroid & moment inertia. Prereq

ME 221 | 3 CREDITS
CATEGORY: ☑

Engineering Mechanics II

Dynamics of particles and rigid bodies, work energy, impulse-momentum, principles of conservation of energy and momentum. Prereq

ME 222 | 3 CREDITS
CATEGORY: ☑

Environmental Science

Ecological principles related to human cultures, resource use, and environmental alterations. For credit as a lecture/lab pair, students should take BIOL 100L as a co-requisite.

BIOL 124 | 3 CREDITS
CATEGORY: G & S

Event Management

Explores the multidisciplinary nature of events management and provides the student with professional knowledge they need in order to succeed in the events industry.

MGMT 241 | 3 CREDITS
CATEGORY: ☑

Famine, Plague, and Cheese. Microbes

Discover how microbes impact health, agriculture, and the environment, and learn about careers in microbiology, biotechnology, and genetic engineering that are changing the world.

MICR 100 | 3 CREDITS
CATEGORY: S

PATHWAYS
GUIDE



COMMUNICATION

Communication skills are the #1 skill sought by today's employers. Learn more about ag communication, journalism, management communication, and strategic communication.

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Feeding & Fueling the World

A comprehensive introduction to the field of agriculture, offering a foundational understanding of the principles, practices, and challenges inherent in modern agricultural systems. Exploration of the multifaceted aspects of agriculture, ranging from traditional farming techniques to cutting-edge technologies that drive sustainable and efficient food, fuel, and fiber production.

AGRI 120 | 3 CREDITS
CATEGORY: ☑

Finite Mathematics

Systems of linear equations and inequalities, matrices, linear programming, mathematics of finance, elementary probability and descriptive statistics. Prereq

MATH 104 | 3 CREDITS
CATEGORY: R

First-Year Spanish I

Basic structures and vocabulary of Spanish. Practice in the fundamentals of listening, speaking, reading, and writing. No previous knowledge of Spanish required.

SPAN 101 | 4 CREDITS
CATEGORY: A & D

First Year Spanish II

Basic structures and vocabulary of Spanish. Practice in the fundamentals of listening, speaking, reading, and writing. Prereq

SPAN 102 | 4 CREDITS
CATEGORY: A

Food Selection & Preparation Principles

Scientific principles underlying food selection, preparation, and preservation; integration of nutrition principles, food standards, cost comparisons, and new food developments.

HNES 261 | 3 CREDITS
CATEGORY: ☑

Fundamentals of Accounting

Introduces financial statements and other accounting information to make personal and business decisions. Not available to majors and accounting minors in the College of Business Administration. Student may not have previously passed or be concurrently enrolled in ACCT 201.

ACCT 102 | 3 CREDITS
CATEGORY: ☑

Fundamentals of Geographic Information Systems

Basics of integration and analyses of spatial data to visualize relationships, seek explanations, and develop solutions to problems. Emphases are placed on the nature of geographic information and the ways digital methods support geographic analyses and modeling.

GEOG 105 | 3 CREDITS
CATEGORY: ☑

Fundamentals of Public Speaking

Theory and practice of public speaking with emphasis on content, organization, language, delivery, and critical evaluation of messages.

COMM 110 | 3 CREDITS
CATEGORY: C

Fundamentals of Visual Communication for Engineers

Visual communications for design and manufacturing, computer-aided drawing and design, three-dimensional modeling and orthographic projections, geometric dimensioning and tolerancing, ASME Y14.5 1994 standard, sketching, parametric modeling, drawings and assemblies.

ME 212 | 3 CREDITS
CATEGORY: ☑

Gender and Popular Culture

Introduces you to concepts in the sociology of gender and popular culture. Offers an overview of the gendered experience of cultural production, representation, and lived lives. Learn how aspects of popular culture produce and reinforce our understanding of gender.

SOC 240 | 3 CREDITS
CATEGORY: ☑

General Biology I

Introduction to cellular and molecular biology, genetics, and evolution.

BIOL 150 | 3 CREDITS
CATEGORY: ☑



PRECISION Agriculture Technology & Management

Learn how to use applications commonly needed to produce and process food, feed, fiber and fuel, as well as how to market, conduct sales and distribute agricultural products and services. Find this guide and more at >> bit.ly/EE_pathways_guides





General Biology II

An introduction to the biology of living organisms and their interactions with each other and their environments. Examples primarily involve plants and animals, but include other groups of organisms as well.

BIOL 151 | 3 CREDITS
CATEGORY: ☑

General Chemistry I

Matter, measurement, atoms, ions, molecules, reactions, chemical calculations, thermochemistry, bonding, molecular geometry, periodicity, and gases. Prereq or Co-req

CHEM 121 | 3 CREDITS
CATEGORY: S

General Chemistry I Lab

Matter, measurement, atoms, ions, molecules, reactions, chemical calculations, thermochemistry, bonding, molecular geometry, periodicity, and gases. Prereq or Co-req

CHEM 121L | 1 CREDIT
CATEGORY: S

General Chemistry II

Intermolecular forces, liquids, solids, kinetics, equilibria, acids and bases, solution chemistry, precipitation, thermodynamics, and electrochemistry. Prereq

CHEM 122 | 3 CREDITS
CATEGORY: S

Global Social Problems

Sociological analysis of global social problems.

SOC 116 | 3 CREDITS
CATEGORY: B & G

Hospitality Accounting

Basic financial hospitality accounting concepts and practices. Interpretation of accounting and financial control systems in management decision making; uniform system of accounts, departmentalized costing procedures; ratio analysis; budgeting, financial statement analysis and interpretation. Prereq

ADHM 241 | 3 CREDITS
CATEGORY: ☑

Human Anatomy and Physiology I

An in-depth introduction to structure and function of human organ systems' cells, tissues, the integumentary system, the skeletal system, joints, muscle and muscular system, nervous tissue and nervous system, and the special senses.

BIOL 220 | 3 CREDITS
CATEGORY: S

Human Anatomy & Physiology II

The endocrine, cardiovascular, lymphatic, immune, respiratory, digestive, urinary, and reproductive systems and development. Prereq

BIOL 221 | 3 CREDITS
CATEGORY: ☑

Human Biology

Consideration of selected problems in human biology.

BIOL 126 | 3 CREDITS
CATEGORY: S

Human Communication

Overview of communication theory with emphasis on information transmission and social influence functions of communication behavior in personal and mediated contexts.

COMM 114 | 3 CREDITS
CATEGORY: B

Human Sexuality

Survey of biological, developmental, and psychological aspects of human sexuality. Prereq: PSYC 111.

PSYC 210 | 3 CREDITS
CATEGORY: B

Indian Philosophy

Focuses on the major orthodox (astika) schools of Vedic philosophy, Samkhya, Nyaya, Vaishesika, Mimamsa, Vedanta, and Yoga, while also discussing the heterodox (nastika) Buddhist, Jain, & Materialist (Carvaka) schools. Presents the major figures, teachings, & arguments of these schools with a special focus on their metaphysical and ethical views.

PHIL 221 | 3 CREDITS
CATEGORY: ☑

Intercultural Communication

Exploration of the definition, models, and verbal processes of communication between different cultural groups.

COMM 216 | 3 CREDITS
CATEGORY: B & D

Interior Design Careers

Survey of the interior design profession and the relationship to allied professionals and organizations.

ID 160 | 1 CREDIT
CATEGORY: ☑

Intermediate Visual BASIC

Elements of Visual Basic for those with previous programming background. Topics include fundamental constructs, Active X controls, file processing, database management, and SQL. Prereq

CSCI 172 | 3 CREDITS
CATEGORY: ☑

Interpersonal Communication

Theory and practice of communication in interpersonal relationships. Includes aspects of self-expression and relationship communication.

COMM 212 | 3 CREDITS
CATEGORY: B

PATHWAYS
GUIDE



PRE-LICENSE Nursing

Prepare to work in many nursing-related fields, including as a registered nurse, nurse anesthetist, travel nurse and nurse practitioner. Find this guide and more at >> bit.ly/EE_pathways_guides



Intro/Hospitality Industry

Overview of the hospitality industry; its history, components, career opportunities, development, and future trends with application to food service, lodging, and travel.

ADHM 140 | 3 CREDITS
CATEGORY: ☑

Introduction to Agricultural Communication

Provides an introduction to agricultural communication as a professional field and an overview of career options and professional skills and competencies required of agricultural communications.

COMM 133 | 3 CREDITS
CATEGORY: ☑

Introduction to Agricultural Management

Economic and managerial concepts related to farm or agribusiness production process, development of cost data, enterprise analysis, organization and management of production inputs.

AGEC 242 | 3 CREDITS
CATEGORY: ☑

Introduction to Animal Sciences

General principles of the livestock industry and relationships to mankind.

ANSC 114 | 3 CREDITS
CATEGORY: ☑

Introduction to Anthropology

Introductory overview to anthropology, the holistic study of humans and the diversity of the human experience over space and time. Covers the major fields of anthropology: cultural and biological anthropology, archaeology, linguistics, applied anthropology.

ANTH 111 | 3 CREDITS
CATEGORY: B & D

Introduction to Behavior Modification

Basic principles and procedures governing acquisition, maintenance, and change of behavior, emphasizing human applications. Laboratory involves designing, implementing, and reporting an individual project. Prereq

PSYC 211 | 3 CREDITS
CATEGORY: B

Introduction to Computing

Programming in a high level language with applications to engineering computation, analysis, and design. Prereq

ECE 173 | 4 CREDITS
CATEGORY: ☑

Introduction to Corrections

An overview of the correctional system, including prisons and community sanctions, in the United States.

CJ 270 | 3 CREDITS
CATEGORY: ☑

Introduction to Criminal Justice

Examination of the criminal justice system and process. Includes crime, lawmaking, criminality, prosecution, police, courts, and corrections.

CJ 201 | 3 CREDITS
CATEGORY: ☑

Introduction to Cybersecurity

Provides the foundation for understanding key issues faced and measures associated with protecting computer systems, networks, and information assets from cyber threats. Gain knowledge of the social, legal, ethical, and privacy implications of cybersecurity.

CSCI 105 | 3 CREDITS
CATEGORY: ☑

Introduction to Differential Equations

Solution of elementary differential equations by elementary techniques. Laplace transforms, systems of equations, matrix methods, numerical techniques, and applications. Prereq, Coreq

MATH 266 | 3 CREDITS
CATEGORY: ☑

Introduction to Electrical & Computer Engineering

Introduction to electrical and computer engineering problem solving, design and professional issues. Prereq

ECE 111 | 3 CREDITS
CATEGORY: ☑

Introduction to Entrepreneurship

An introduction to the entrepreneurial process, evaluating market feasibility of new product/business ideas, & launching an entrepreneurial venture. Develop an understanding of the business concept & model. Develop general understanding of basic functional areas of business & have an opportunity to evaluate what entrepreneurship involves.

ENTR 201 | 3 CREDITS
CATEGORY: ☑

Introduction to Equine Studies

Introduction to basic aspects of equine studies and general principles surrounding the horse industry.

ANSC 260 | 2 CREDITS
CATEGORY: ☑

Introduction to Film

Includes analysis of narrative and stylistic elements of films for their artistic merits and their reflection of an influence on society.

ENGL 225 | 3 CREDITS
CATEGORY: A

Introduction to Food Science & Technology

Overview of food components, food quality, nutrition, processing, packaging, safety, sanitation laws, sensory evaluation, distribution, and utilization.

CFS 210 | 3 CREDITS
CATEGORY: ☑

PATHWAYS
GUIDE



CYBERSECURITY

Learn skills in identifying security issues with computing systems and networks, prior to attacks, and to detect and respond to ongoing attacks.

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Introduction to Hospitality Industry

Overview of the hospitality industry; its history, components, career opportunities, development, & future trends with application to food service, lodging, & travel.

ADHM 140 | 3 CREDITS
CATEGORY: ☑

Introduction to Information Technology

Introduction to basic concepts of information technology, including hardware, software and software. The course provides an overview of computing, storage, networking, and security topics.

CSCI 177 | 3 CREDITS
CATEGORY: ☑

Introduction to Linear Algebra

Systems of linear equations, row operations, echelon form, matrix operations, inverses, and determinants. Credit awarded only for MATH 128 or MATH 129, not both. Prereq

MATH 128 | 1 CREDIT
CATEGORY: ☑

Introduction to Mechanical Engineering

Learn about the Mechanical Engineering degree and potential career opportunities in the discipline through the use of hands-on, project-based learning experiences in multi-member teams addressing traditional and newly emerging topics in the field of mechanical engineering, including computer aided design, solid mechanics, fluid dynamics, thermodynamics, materials selection, instrumentation and data analysis in the context of problem-solving and design. Prereq

ME 111 | 2 CREDITS
CATEGORY: ☑

Introduction to Media Writing

Introduction to writing in the styles and forms required in journalism and strategic communication. Prereq

COMM 200 | 3 CREDITS
CATEGORY: ☑

Introduction to Meteorology & Climatology

Basic meteorology-climatology concepts and their application; includes energy balance, greenhouse effect, temperature, pressure systems, lows, highs, fronts, winds, clouds, storms, humidity, precipitation, and measurements.

SOIL 217 | 3 CREDITS
CATEGORY: ☑

Introduction to Philosophy

Basic problems, concepts, and methods of philosophy.

PHIL 101 | 3 CREDITS
CATEGORY: A

Introduction to Precision Agriculture

Introduces you to principles of precision agriculture, crop and livestock production in precision agriculture, GIS, GPS, sensors, drones, data acquisition and management, Remote sensing. Prereq

PAG 115 | 2 CREDITS
CATEGORY: A & D

Introduction to Psychology

Survey of the scientific study of behavior and mental processes.

PSYC 111 | 3 CREDITS
CATEGORY: B

Introduction to Research Methods in Human Development & Family Sciences

Undergraduate orientation to research methods in human development and marital/family relationships; students will explore the scientific method as applied to HDFs, methods/issues related to data collection, and methods of data analysis.

HDFS 250 | 3 CREDITS
CATEGORY: ☑

Introduction to Sociology

Introductory analysis of the nature of society, the interrelationship of its component groups, and the process whereby society persists and changes.

SOC 110 | 3 CREDITS
CATEGORY: B

Introduction Soil Science

Covers the basic principles of soil science. Topics will include the concepts of soil as a natural body, composition of soil, functions of soil, soil formation and classification, physical/chemical/biological properties of soils, and soil management and conservation. Lecture periods will consist of a combination of material presentation and designated time for applied learning activities.

SOIL 210 | 3 CREDITS
CATEGORY: ☑

Introduction to Theatre Arts

Basic orientation and historical perspective to the art of theatre. Includes the spectrum of dramatic literature, theatrical production, and performance.

THEA 110 | 3 CREDITS
CATEGORY: A

Introduction to UNIX

Introduces you to the UNIX operating system environment. Topics include basic UNIX commands, operating system installation and administration, application installation, use of alternative shells, web servers, and system security.

CSCI 227 | 3 CREDITS
CATEGORY: ☑

PATHWAYS
GUIDE



HUMAN Development & Family Science

Gain an understanding of the development of children & adults & their interaction in the family within society.

Find this guide and more at >>

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Introduction to Visual Arts

Study and analysis of artistic methods and meaning in the visual arts; designed for non-majors.

ART 110 | 3 CREDITS
CATEGORY: A & D

Introduction to Web Design

Orients you to Web concepts, design, presentation, and evaluation. Prereq

COMM 260 | 3 CREDITS
CATEGORY: ☑

Introduction to Web Development

Introduces the tools used by Web Development professionals, including HTML, Web editors, imaging software, Javascript, and Acrobat pdf format. Prereq: COMM 260.

COMM 261 | 3 CREDITS
CATEGORY: ☑

Introduction to Women's Studies

Exploration of a range of social/domestic and global issues related to women; development of a feminist framework for thinking and writing about woman and gender.

WGS 110 | 3 CREDITS
CATEGORY: A

Introductory Microbiology

Study of the characteristics and importance of microorganisms with emphasis on their identification, control, and relationships to health and disease.

MICR 202 | 2 CREDITS
CATEGORY: ☑

Introductory Statistics

Frequency tables, histograms, probability, well-known probability distributions, one and two sample tests of hypotheses, confidence intervals, and contingency tables. Prereq

STATS 330 | 3 CREDITS
CATEGORY: ☑

Judicial Process

Role of lawyers, judges, & courts in the political system. Emphasis on judicial decision-making & ideas behind law.

POLS 230 | 3 CREDITS
CATEGORY: ☑

Life Span Development

Study of human growth and development throughout the life span.

HDFS 230 | 3 CREDITS
CATEGORY: B

Mathematics for Business

Mathematics of finance, linear programming & its applications in business, limits, continuity, derivatives, implicit & logarithmic differentiation, higher order derivatives, optimization & extrema, partial differentiation, extreme values of functions of two variables. Credit awarded only for MATH 144 or MATH 146, not both. Prereq

MATH 144 | 4 CREDITS
CATEGORY: ☑

Mechanics of Materials

Introduction to stress, strain, & their relationships; torsion of circular shafts, bending stresses, deflection of beams, stress transformations. Prereq

ME 223 | 3 CREDITS
CATEGORY: ☑

Medical Terminology for the Paraprofessional

Medical terminology explored through a systematic study of word parts and the combinations used to build medical terms.

VETS 115 | 1 CREDIT
CATEGORY: ☑

Modern Software Development

Gain exposure to, and practice with, a modern software development environment. Students do individual projects covering all the major phases of prescriptive software development including: requirements engineering, design, construction, testing and debugging. Prereq

CSCI 213 | 3 CREDITS
CATEGORY: ☑

Multivariate Calculus

Functions of several variables, vectors in two & three variables, partial derivatives, surfaces & gradients, tangent planes, differentials, chain rule, optimization, space curves, & multiple integrals. Credit awarded only for MATH 259 or MATH 265. Prereq

MATH 259 | 3 CREDITS
CATEGORY: ☑

Music Appreciation

Understanding and appreciating musical styles & composers with some emphasis on the relationship of music to concurrent social and artistic trends. Designed for non-music majors.

MUSC 100 | 3 CREDITS
CATEGORY: A & D

Non-Majors Biology Lab

Laboratory experience to introduce the application of the scientific method across a wide scale of biological topics, including molecular biology, the organism, evolution, and ecology. Coreq

BIOL 100L | 1 CREDIT
CATEGORY: S

Nutrition Science

Scientific principles of nutrition based on chemical structure and function of the nutrients.

HNES 250 | 3 CREDITS
CATEGORY: W

Personal & Community Health

Study of vital personal and community health issues. Particular attention to current health facts, habits, and attitudes as they relate to home, school, and community.

HNES 217 | 3 CREDITS
CATEGORY: W

Perspectives for Wellness

Explore multiple perspectives in application of the scientific method across a wide scale of biological topics, including molecular biology, the organism, evolution, and ecology. Coreq

CHP 211 | 3 CREDITS
CATEGORY: W

Persuasion

Exploration of the role and function of persuasion in personal, professional, and civic life. Provides an overview of critical, rhetorical, and social scientific theories of persuasion.

COMM 220 | 3 CREDITS
CATEGORY: ☑



Philosophy & Policy

Principles, philosophies, development, and implementation of agricultural education, family and consumer sciences education, business education, and extension programs. Analysis of evolving concepts with emphasis on history, legislation, and principles underlying organization and practice.

H&CE 232 | 3 CREDITS
CATEGORY: ☑

Physical Geology

Study of the Earth as a physical body; its structure, composition, and the geologic processes acting on and within the Earth.

GEOL 105 | 3 CREDITS
CATEGORY: S

Principles of Macroeconomics

Aggregate income and employment analysis; business cycles, unemployment, inflation and economic growth; fiscal policy; money and monetary policy; the U.S. economy and the world economy.

ECON 202 | 3 CREDITS
CATEGORY: B

Principles of Microeconomics

Nature, method, and scope of economic analysis; economic scarcity, resources, specialization of labor; supply-demand analysis; production and cost analysis; product & resource market structures; distribution of income; international trade.

ECON 201 | 3 CREDITS
CATEGORY: B

Professional Responsibility & Ethics

The ethical responsibilities of professionals are examined in light of the major ethical theories, such as Utilitarianism, Kantianism, & Relativism.

ECON 201 | 3 CREDITS
CATEGORY: B

Psychological Aspects of Drug Use and Abuse

Examination of legal & illegal psychoactive drugs. Emphasis on psychological, physiological, & behavioral effects of these drugs & problems of drug abuse. Prereq

PSYC 212 | 3 CREDITS
CATEGORY: B

Psychology Applied to Work

Applications of psychology to people at work. Topics include employee selection, job interviewing, performance appraisal, psychological testing, Equal Employment Opportunity, leadership, motivation, job satisfaction, organizational theory, employee safety and health. Prereq

PSYC 221 | 3 CREDITS
CATEGORY: B

Roots of American Popular Music

Survey of American popular music & musicians from Civil War times through the present with an emphasis on historical & sociological influences. Designed for non-music majors.

MUSC 108 | 3 CREDITS
CATEGORY: A & D

Smart Spending and Saving

A foundation for managing financial resources effectively for life-long financial wellbeing. Focus is on the skills and tools needed to organize and manage personal finances with an emphasis on consumer decision making.

HDFS 186 | 3 CREDITS
CATEGORY: B

Social Interaction

Examination of issues relevant to the study of individual behavior (e.g., self-concept, attitudes, social perception) in a social context. Cross-listed with SOC 214.

PSYC 214 | 3 CREDITS
CATEGORY: B

Studio Technology Foundations

An introduction to core digital technologies in the visual arts & equips students with a working knowledge of their respective operations & applications. Prereq

ART 122 | 3 CREDITS
CATEGORY:

Summer Ag Academy

AGRI 199 | 2 CREDITS
CATEGORY: ☑

Sustainability in Fashion

Explores the interrelationship between environment, society, economy and culture as they pertain to the global fashion industry. Practical and conceptual issues will be discussed to develop sustainable practices in our daily and professional lives.

ARMD 203 | 3 CREDITS
CATEGORY: B

The Earth Through Time

Introduction to the Earth through time; its origin, history, and evolution of animal and plant life.

GEOL 106 | 3 CREDITS
CATEGORY: S

Travel Management

Application of management principles and theories to tourism with emphasis on tourism components, recreational activities, international travel, & social, economic, & environmental impacts of the global tourism industry. Provides fundamental knowledge of tourism impacts, global events & trends, destination management, tourist behaviors, and tourism marketing.

MGMT 141 | 3 CREDITS
CATEGORY: B

Traditional Logic

Study of the art and science of critical thinking; scientific method emphasized.

PHIL 257 | 3 CREDITS
CATEGORY: R, A, & G

Trigonometry

Angle measure, trigonometric & inverse trigonometric functions, trigonometric identities & equations, polar coordinates and applications. Credit awarded only for MATH 105 or MATH 107. Prereq

MATH 105 | 3 CREDITS
CATEGORY: ☑

University Physics I

Newtonian mechanics of translational and rotational motion, work, energy, power, momentum, conservation of energy and momentum, periodic motion, waves, sound, heat, and thermodynamics. Coreq

PHYS 251 | 4 CREDITS
CATEGORY: ☑

University Physics I Lab

Newtonian mechanics of translational and rotational motion, work, energy, power, momentum, conservation of energy and momentum, periodic motion, waves, sound, heat, and thermodynamics. Prereq

PHYS 251L | 1 CREDIT
CATEGORY: ☑



University Physics II

Electric charge, field, potential, and current; magnetic field; capacitance; resistance; inductance; RC, RL, LC and RLC circuits; waves; optics. Prereq,Coreq

PHYS 252 | 4 CREDITS
CATEGORY: ☑

U.S. to 1877

Explore key events, trends, & concepts in American history from before European contact until the Civil War. Engage with social, economic, political, & cultural factors at play in the development of the U.S. to 1865. Examine motivations & effects of European colonization in North America; causes of the American Revolution & its political, social, & cultural ramifications; growth of market capitalism & its effects on American society; course & nature of westward expansion during the nineteenth century; & emergence, expansion, & eventual end of slavery in the U.S.

HIST 103 | 3 CREDITS
CATEGORY: A

U.S. Since 1877

Survey of United States history since 1877, emphasizing major political, economic, social, and cultural developments.

HIST 104 | 3 CREDITS
CATEGORY: A

Understanding Media and Social Change

Exploration of the purpose, function, and impact of media on society.

COMM 112 | 3 CREDITS
CATEGORY: B

Wellness

Examination of personal lifestyle choices related to emotional, nutritional, and mental well-being.

HNES 111 | 3 CREDITS
CATEGORY: W

Western Civilization I

Introductory survey of Western Civilization from prehistory to 1648, emphasizing major political, social, cultural, and intellectual developments.

HIST 101 | 3 CREDITS
CATEGORY: A

Western Civilization II

Introductory survey of Western Civilization from 1648 to the present, emphasizing major political, social, cultural, and intellectual developments.

HIST 102 | 3 CREDITS
CATEGORY: A

Wonders of Weather

Reveals the mystery of the wonders of every-day weather. Through hands-on experimentation, observations, and discussion of day-to-day weather, students curious about weather and its impacts will come to understand the natural forces structuring the Earth's atmosphere and its weather patterns that directly impact lives of all sharing the Mother Earth.

AGRI 115 | 3 CREDITS
CATEGORY: S

World Cultures & Food Service

An exploration of a variety of cultures and foods that demonstrate the influences of demography, geography, history, social traditions, religious beliefs, and other environmental considerations on food, its preparation, service, and symbolism/meaning.

BUSN 211 | 3 CREDITS
CATEGORY: A

World Film

Study of the development and practice of the art of film and its relationship to the theater emphasizing performance and production angles.

THEA 115 | 3 CREDITS
CATEGORY: A & D

World Food Crops

Scientific principles of crop growth, worldwide production, management alternatives, & processing for domestic & international consumption.

PLSC 110 | 3 CREDITS
CATEGORY: ☑

World Music

Survey of music from around the world's cultures with an emphasis on commonalities and differences found in the human experience of music.

MUSC 109 | 3 CREDITS
CATEGORY: A & G

World Regional Geography

Study of geographic processes shaping major world regions and inter-relationships in the global village; geographic bases and implications of current world events.

GEOG 161 | 3 CREDITS
CATEGORY: ☑

World Religions

Explores the beliefs, practices and origins of the world's major religions and introduces analytical approaches to studying religion.

RELS 100 | 3 CREDITS
CATEGORY: A



VIEW More Classes Online

View a complete list of online and face-to-face classes on our website >>

www.ndsu.edu/continued-learning/k12-students/early-entry/

APPLICATION Information

Follow these steps for the early-entry application process at NDSU.

- 1 Go to the NDSU admission application page.
<https://bit.ly/4c5v5Oq>
- 2 Click "Sign Up" or sign in if you already have an account.
- 3 Complete the FREE application for admission.
—Be sure to select Early Entry as your admit type.

REGISTRATION Information

Full instructions and video tutorials for course registration and getting your electronic services set up are available on the website. Here is an overview of the process.

- 1 Contact your school counselor to review eligibility for early-entry classes.
- 2 Identify the class or classes you wish to take.
- 3 Register for classes in Campus Connection.
- 4 Determine eligibility for the NDSU Scholarship.
- 5 Secure any needed course materials.
- 6 Access course classroom site (instructions and support provided by NDSU).

► Questions?

For questions regarding the application process, contact the Office of Admission at 1-800-488-NDSU or ndsu.admission@ndsu.edu. For all other early-entry questions, contact the OTL at 701-231-7015 or at otl@ndsu.edu.

General Education Category List

- A.....Humanities and Fine Art
- B.....Social and Behavioral Sciences
- C.....Communication
- D.....Cultural Diversity
- G.....Global Perspectives
- R.....Quantitative Reasoning
- S.....Science and Technology
- W.....Wellness
- May Apply to a Program of Study

TRANSCRIPT Information

HOW TO ORDER AN UNOFFICIAL TRANSCRIPT

- 1 Go to [Campus Connection](#).
- 2 Enter User ID & Password to log in.
- 3 Click on the Academic Records tile, Then click on Unofficial Transcript Request.
- 4 Select "North Dakota State University" for the Academic Institution.
- 5 Select the type of transcript you prefer, "Unoff PDF Transfer Details" or "Unoff PDF Transfer Summary."
- 6 Click the Submit button and wait for the report results to appear.
- 7 Print as needed.

HOW TO ORDER AN OFFICIAL TRANSCRIPT

Below are the general steps to ordering an official transcript. Follow the directions on each screen as they may have changed without notice. Transcripts are \$15 each (subject to change).

- 1 Go to [Parchment website](#).
- 2 Enter User ID & Password to log in OR click on the Create Account button, fill out the form, and submit. You will be taken to step 3 automatically.
- 3 Indicate where you want your transcript sent.
- 4 Choose mail delivery options, processing time, and purpose for request.
- 5 Review your shopping cart details.
- 6 Check the I Accept box for consent to release academic records.
- 7 Enter billing information.
- 8 Review your order and confirm.

► Questions?

For questions regarding the transcript ordering process, contact the NDSU Registration and Records Office at 701-231-8597 or ndsu.ordertranscript@ndsu.edu.

For questions regarding Campus Connection access, contact the North Dakota University System helpdesk at 1-866-457-6387, or ndus.helpdesk@ndsu.edu.



TUITION AND FEES

Early-entry classes are charged at full tuition but have a waiver applied that makes tuition about a third of the cost per credit of standard undergraduate tuition. Because as an early-entry student you do not pay full student fees, you will have to pay separately to use the wellness center, get student tickets to sporting events, or checkout materials from the campus library.

View tuition and fees at www.ndsu.edu/continued-learning/k12-students/early-entry.



EMPLID (STUDENT ID)

Admitted students may follow these directions to find their EMPLID/Student ID.

- 1 Go to Campus Connection at <https://studentadmin.connectnd.us/>.
- 2 Select "Campus Solutions Guest Page" on the right side.
- 3 Select the "Help Center" tile.
- 4 Select "Find my EMPLID" from the left menu.
- 5 Fill in requested information.
- 6 EMPLID/Student ID result is listed.
- 7 If this does not work, please contact the NDUS Help Desk

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