PROGRAMS OF STUDY

Degrees at the undergraduate, professional and graduate levels are offered at NDSU. For more information about the various programs of study leading toward baccalaureate and professional degrees, consult the Academic Colleges section of this bulletin. Graduate degree requirements and fields of study are summarized in the Graduate Bulletin.

Undergraduate Areas of Study
Coursework is available in the areas listed by major within each college according to the categories indicated.

KEY:
M Undergraduate/Baccalaureate major
o Option (area of emphasis, concentration, or specialization within a major)
m Undergraduate minor
 c Undergraduate Certificate program

College of Agriculture, Food Systems, and Natural Resources
M,m  Agribusiness
M  Agricultural Economics
M,m  Agricultural Systems Management
 o  Applied Business
 o  Dealership Management
 o  Production Agriculture
 c  Animal Health Management
M,m  Animal Science
 o  Animal Agribusiness
 o  Animal Biomedical Sciences
 o  Animal Production, Management and Husbandry
 o  Livestock Media
 o  Meat Science
 o  Pre-Veterinary Medicine
M,m  Biotechnology
M,m  Crop and Weed Sciences
 o  Agronomy
 o  Biotechnology
 o  Science
 o  Weed Science
M,m  Economics
 o  Quantitative Economics
M,m,c  Equine Science
 o  Pre-Veterinary Medicine
M,m  Food Safety
M  Food Science
M,m  General Agriculture
M,m  Horticulture
 o  Horticulture Biotechnology
 o  Horticulture Landscape
 o  Horticulture Science
 o  Production /Business
 o  Urban Forestry and Parks
m  Large Animal Veterinary Technology
M,m  Microbiology
 o  Pre-Veterinary Medicine
M,m  Natural Resources Management
 o  Biotic Resources Science
 o  Environmental Communication
 o  Natural Resources Economics
o Physical/Earth Resources Science
o Pollution Science
o Social Sciences
M,m Range Science
M Soil Science
M Sports and Urban Turfgrass Management
m Therapeutic Horsemanship
c Therapeutic Riding
M Veterinary Technology
o Pre-Veterinary Medicine

**College of Arts, Humanities, and Social Sciences**
M,m Agricultural Communication
M,m Anthropology
M Architecture
M,m Art
m Community Development
M,m Criminal Justice
M,m Emergency Management
M,m English
M Environmental Design (leads to Bachelor of Landscape Architecture degree)
M,m French
m French Studies
m German Studies
m Gerontology
M,m Health Communication
M,m History
M,m Journalism
M,m Landscape Architecture
M,m Management Communication
M,m Music
o Instrumental Music Performance
o Piano Performance
o Vocal Music Performance
M,m Music Education, Instrumental
M,m Music Education, Vocal
M New Media and Web Design
M,m Philosophy/Humanities
M,m Political Science
o Public Service
o Pre-Law
M Public History
M,m Public Relations and Advertising
M Social Science
M,m Sociology
M,m Spanish
m Spanish Studies
M,m Theatre Arts
o Design and Technical Theatre
o Musical Theatre
o Performance
m Web Design
M,m Women and Gender Studies
College of Business
M,m Accounting
M,m Business Administration
M,c Finance
m Fraud Investigation
m Logistics Management
M Management
o Human Resources Management
M,m Management Information Systems
M,c Marketing
c Professional Selling

College of Engineering
m Aerospace Studies (Air Force ROTC)
M Agricultural and Biosystems Engineering
o Agricultural Engineering
o Biosystems Engineering
M Civil Engineering
M Computer Engineering
M Construction Engineering
M Construction Management
M Electrical Engineering
M,m Industrial Engineering and Management
M,m Manufacturing Engineering
M Mechanical Engineering
m Military Science (Army ROTC)
M,m Natural Resources Management
  - See options under College of Agriculture, Food Systems, and Natural Resources

College of Human Development and Education
M,m Apparel, Retail Merchandising and Design
o Apparel Studies
o Retail Merchandising
M Dietetics
o Didactic Program in Dietetics
o Dietitian Education Program
M Exercise Science
m Gerontology
M,m Hospitality and Tourism Management
M,m Human Development and Family Science
o Adult Development and Aging
o Child and Adolescent Development
o Family Science
M Interior Design
M Sport and Recreation Leadership
m Wellness
M,m Women and Gender Studies

SECONDARY EDUCATION:
M Agricultural Education
M Biological Sciences Education
M Chemistry Education
M Comprehensive Science Education
M Earth Science Education
M English Education
o Communication
Extension Education
Family and Consumer Sciences Education
French Education
Health Education
School Health
History Education
Mathematics Education
Physical Education (K-12)
Physics Education
Social Science Education
Spanish Education

Elementary Education is offered by Valley City State University as a dual degree/major with Human Development and Family Science.

Social Work is offered by Minot State University as a dual degree/major with Human Development and Family Science.

College of Pharmacy, Nursing, and Allied Sciences
Medical Laboratory Science
Nursing
Pharmaceutical Sciences (leads to Pharm.D.)
Radiologic Sciences
Respiratory Care
Vaccinology (via Tri-College)

College of Science and Mathematics
Behavioral Statistics
Biochemistry
Biochemistry and Molecular Biology
Biological Sciences
Environmental Science
Biotechnology
Botany
Chemistry
American Chemical Society (ACS) Certified
Biochemistry
Chemistry Pre-Education
Coatings and Polymeric Materials
Pre-Professional
Coatings and Polymeric Materials
Computer Science
Environmental Geology
Geography
Math and Computer Science
Math and Physics
Math and Statistics
Natural Resources Management

See options under College of Agriculture, Food Systems, and Natural Resources
Neuroscience
Physics
Computational Physics
Optical Science and Engineering
Psychology
Natural Science
Social Science
M, m Statistics
m Pre-Actuarial Science
M, m Zoology
o General Zoology
o Physiology, Cell Biology, and Health Science*
  *Pre-Professional preparation:
  • Chiropractic
  • Dentistry
  • Medicine
  • Mortuary Science
  • Optometry
  • Osteopathy
o Fisheries, Wildlife, Ecology, and Behavior

College of University Studies
M University Studies
o Undeclared

Programs in the College of University Studies involve general studies for the deciding students or the Bachelor of University Studies degree (a tailored degree program) for students with distinctive educational goals.

Interdisciplinary Undergraduate Programs
M, m Biotechnology
M, m Food Safety
m Fraud Investigation
m Gerontology
M International Studies (second major only)
m Logistics Management
M Natural Resources Management
M, m Women and Gender Studies
University Honors (Scholars) Program (no degree)

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MAJORS, DEGREES AND CERTIFICATES OFFERED
Degree and Certificate Programs (undergraduate, graduate, professional)

A
Accountancy.................................................................M.Acc.
Accounting...............................................................B.A., B.S.
Advanced Athletic Training.....................................M.S.
Advanced Nursing Practice.....................................D.N.P.
Agribusiness............................................................B.S.
Agribusiness and Applied Economics.......................M.S.
Agricultural and Biosystems Engineering....................B.S.A.B.En., M.S., Ph.D.
Agricultural Communication..................................B.A., B.S.
Agricultural Economics...........................................B.S., M.S.
Agricultural Education..........................................B.S., M.Ed., M.S.
Agricultural Systems Management.........................B.S.
Animal Health Management..................................Certificate (Undergraduate)
Animal Science......................................................B.S., M.S., Ph.D.
Anthropology..........................................................B.A., B.S., M.A., M.S.
Apparel, Retail Merchandising and Design..................B.A., B.S.
Applied Statistics....................................................M.S.
Architecture..........................................................B.S.Arch., M.Arch.
Art..............................................................................M.A., B.F.A., B.S.
Athletic Training.....................................................M.A.Trg.
B

Behavioral Statistics ......................................................... B.A., B.S.
Biochemistry ................................................................. M.S., Ph.D.
Biochemistry and Molecular Biology ......................... B.A., B.S.
Biological Sciences ....................................................... B.A., B.S.
Biological Sciences Education ................................. B.A., B.S.
Biology ................................................................. M.S.
Biotechnology ......................................................... B.A., B.S.
Botany ................................................................. B.A., B.S., M.S., Ph.D.
Business Administration ............................................. B.A., B.S.

C

Cellular and Molecular Biology ......................... Ph.D.
Cereal Science ........................................................ M.S., Ph.D.
Chemistry .............................................................. B.A., B.S., M.S., Ph.D.
Chemistry Education .............................................. B.A., B.S.
Civil Engineering ............................................ B.S.C.E., M.S., Ph.D.
Coatings and Polymeric Materials .................... M.S., Ph.D.
College Teaching .................................................. Certificate (Graduate)
Communication .................................................. Ph.D.
Community Development .................................. M.A., M.S.
Comprehensive Science Education ............... B.A., B.S.
Computer Engineering ...................................... B.S.Cpr.E.
Computer Science .............................................. B.A., B.S., M.S., Ph.D.
Construction Engineering ................................ B.S.Con.E.
Construction Management ................................ B.S.Cons.M., M.S., M.Cons.M., Certificate (Graduate)
Counseling ......................................................... M.Ed., M.S.
Counselor Education and Supervision ................ Ph.D.
Couple and Family Therapy ................................ Ph.D.
Criminal Justice .................................................. B.A., B.S., M.S., Ph.D.
Crop and Weed Sciences .................................. B.S.

D

Developmental Science ....................................... Ph.D.
Dietetics ............................................................... B.A., B.S., M.S.
Digital Enterprise ................................................ Certificate (Graduate)

E

Earth Science Education ..................................... B.A., B.S.
Economics ........................................................... B.A., B.S.
Education ............................................................. M.Ed., M.S., Ed.D., Ph.D.
Educational Leadership ....................................... Ed.S., M.Ed., M.S.
Electrical and Computer Engineering ................ M.Engr., M.S., Ph.D.
Electrical Engineering ....................................... B.S.E.E.
Emergency Management .................................... B.A., B.S., M.S., Ph.D.
Engineering ......................................................... Ph.D.
English .............................................................. B.A., B.S., M.A.
English Education .............................................. B.A., B.S.
Entomology ......................................................... M.S., Ph.D.
Environmental and Conservation Science ........ M.S., Ph.D.
Environmental Design .......................................... B.S.
Environmental Engineering .................................. M.S.
Equine Science ................................................... B.S., Certificate (Undergraduate)
Exercise Science .................................................. B.A., B.S.
Exercise Science and Nutrition ............................... Ph.D.

F

Family and Consumer Sciences Education ........ B.S., M.Ed., M.S.
Family Financial Planning ....................................... Certificate (Graduate)
Finance .............................................................. B.S., Certificate (Undergraduate)
Food Protection ..................................................... Certificate (Graduate)
Food Safety ......................................................... B.S., M.S., Ph.D.
Food Science ........................................................ B.S.
French ................................................................. B.A., B.S.
French Education ................................................................. B.A., B.S.

G
General Agriculture ............................................................. B.S.
Genomics and Bioinformatics ................................................ M.S., Ph.D.
Geology ................................................................................ B.A., B.S.
Gerontology ........................................................................ Ph.D., Certificate (Graduate)

H
Health Communication ....................................................... B.A., B.S.
Health Education ................................................................. B.S.
Health, Nutrition and Exercise Science ................................. M.A.Trg., M.S.
History .................................................................................. B.A., B.S., M.A., M.S., Ph.D.
History Education ................................................................. B.A., B.S.
Horticulture ........................................................................... B.S., M.S.
Hospitality and Tourism Management .................................. B.A., B.S.
Human Development ............................................................ Ph.D.
Human Development and Family Science .............................. B.A., B.S., M.S.

I
Industrial and Manufacturing Engineering .......................... Ph.D.
Industrial Engineering and Management .............................. B.S., I.E., Mgt., M.S.
Instrumental Music Education .............................................. B.A., B.S.
Interior Design ........................................................................ B.A., B.S.
International Agribusiness .................................................... M.S.
International Infectious Disease Management & Biosecurity ... M.S., Certificate (Graduate)
International Studies ........................................................... B.A., B.S.

J
Journalism ............................................................................. B.A., B.S.

L
Landscape Architecture ....................................................... B.L.A.

M
Management .......................................................................... B.S.
Management Communication .............................................. B.A., B.S.
Management Information Systems ...................................... B.A., B.S.
Manufacturing Engineering ................................................ B.S., Mfg.E., M.S.
Marketing ................................................................................ B.S.
Mass Communication .......................................................... M.A., M.S.
Materials and Nanotechnology ............................................. Ph.D.
Mathematics .......................................................................... B.A., B.S., M.S., Ph.D.
Mathematics Education ........................................................ B.A., B.S.
Mechanical Engineering ........................................................ B.S., M.E., M.S., Ph.D.
Medical Laboratory Science ................................................ B.S.
Merchandising ........................................................................ M.S., Certificate (Graduate)
Microbiology .......................................................................... B.S., M.S.
Molecular Pathogenesis ........................................................ Ph.D.

N
Natural Resources Management ........................................ B.S., M.N.R.M., M.S., Ph.D.
New Media and Web Design ................................................ B.A., B.S.
Nursing ................................................................................. B.S.N., M.S.

P
Pharmaceutical Sciences ...................................................... B.S., M.S., Ph.D.
Pharmacy ................................................................................ Pharm.D.
Philosophy/Humanities ....................................................... B.A., B.S.
Physical Education ............................................................... B.A., B.S.
Physics .................................................................................. B.A., B.S., M.S., Ph.D.
<table>
<thead>
<tr>
<th>Major</th>
<th>Degree(s)</th>
</tr>
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<tbody>
<tr>
<td>Physics Education</td>
<td>B.A., B.S.</td>
</tr>
<tr>
<td>Plant Pathology</td>
<td>M.S., Ph.D.</td>
</tr>
<tr>
<td>Plant Sciences</td>
<td>M.S., Ph.D.</td>
</tr>
<tr>
<td>Political Science</td>
<td>B.A., B.S.</td>
</tr>
<tr>
<td>Professional Selling</td>
<td>Certificate (Undergraduate)</td>
</tr>
<tr>
<td>Psychological Clinical Science</td>
<td>Ph.D.</td>
</tr>
<tr>
<td>Psychology</td>
<td>B.A., B.S., M.S., Ph.D.</td>
</tr>
<tr>
<td>Public Health</td>
<td>M.P.H., Certificate (Graduate)</td>
</tr>
<tr>
<td>Public History</td>
<td>B.A., B.S.</td>
</tr>
<tr>
<td>Public Relations and Advertising</td>
<td>B.A., B.S.</td>
</tr>
<tr>
<td>Radiologic Sciences</td>
<td>B.S.</td>
</tr>
<tr>
<td>Range Science</td>
<td>B.S., M.S., Ph.D.</td>
</tr>
<tr>
<td>Respiratory Care</td>
<td>B.S.</td>
</tr>
<tr>
<td>Rhetoric, Writing &amp; Culture</td>
<td>Ph.D.</td>
</tr>
<tr>
<td>Social Science</td>
<td>B.A., B.S., M.A., M.S.</td>
</tr>
<tr>
<td>Social Science Education</td>
<td>B.A., B.S.</td>
</tr>
<tr>
<td>Sociology</td>
<td>B.A., B.S., M.S.</td>
</tr>
<tr>
<td>Software Engineering</td>
<td>M.S., M.S.E., Ph.D., Certificate (Graduate)</td>
</tr>
<tr>
<td>Soil Science</td>
<td>B.S., M.S., Ph.D.</td>
</tr>
<tr>
<td>Spanish</td>
<td>B.A., B.S.</td>
</tr>
<tr>
<td>Spanish Education</td>
<td>B.A., B.S.</td>
</tr>
<tr>
<td>Speech Communication</td>
<td>M.A., M.S.</td>
</tr>
<tr>
<td>Sport and Recreation Leadership</td>
<td>B.A., B.S.</td>
</tr>
<tr>
<td>Sports and Urban Turfgrass Management</td>
<td>B.S.</td>
</tr>
<tr>
<td>Statistics</td>
<td>B.A., B.S., Ph.D., Certificate (Graduate)</td>
</tr>
<tr>
<td>STEM Education</td>
<td>Ph.D.</td>
</tr>
<tr>
<td>Theatre Arts</td>
<td>B.A., B.F.A., B.S.</td>
</tr>
<tr>
<td>Therapeutic Riding</td>
<td>Certificate (Undergraduate)</td>
</tr>
<tr>
<td>Transportation and Logistics</td>
<td>M.M.L., Ph.D.</td>
</tr>
<tr>
<td>Transportation and Urban Systems</td>
<td>M.S., M.T.U.S., Certificate (Graduate)</td>
</tr>
<tr>
<td>University Studies</td>
<td>B.U.S.</td>
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<tr>
<td>Veterinary Technology</td>
<td>B.S.</td>
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<tr>
<td>Vocal Music Education</td>
<td>B.A., B.S.</td>
</tr>
<tr>
<td>Women and Gender Studies</td>
<td>B.A., B.S.</td>
</tr>
<tr>
<td>Zoology</td>
<td>B.A., B.S., M.S., Ph.D.</td>
</tr>
</tbody>
</table>

1. *B.A. degree with this major only available through the College of Science and Mathematics.*
2. *Offered only when taken concurrently with another major.*