

UNIVERSITY OF WYOMING
MASTER LIST OF DEGREES AND MAJORS
as authorized by the Trustees
May 2025

Prepared by the Office of Academic Affairs

- The degree title is listed in ***bold italics*** (for example, ***Bachelor of Arts, Bachelor of Science in Chemical Engineering***). The list of majors for a specific degree in a specific college is listed below the degree title. Information in *italics* and parentheses () following a major is explanatory data, and not part of the official major name. Majors with brackets {} require the insertion of a secondary program of study.
- Unless an additional delivery method is notated in parentheses (), programs are available through in-person instruction. When a delivery method is listed, the program is available through in-person instruction as well as the listed method. Programs available 100% Online may also be completed through Hybrid delivery.
- Degree concentrations are only listed where concentrations have different delivery modes.
- Joint programs are not included on the master list as separate degrees.
- Proposed new Degrees and Certificates have been highlighted in green. Programs in red are listed as Inactive Admission Status. Their status will be determined/changed at a later date, once departments are merged and curriculum is changed or teach out plans are complete. Degrees and Certificates proposed to be deleted from previous Master Lists are highlighted in yellow. The proposed deletions are programs that were duplicated in other departments or that UW has simply ceased to offer over time and all eliminated programs have gone through the process as outlined in the University regulations for eliminating programs. As such, the Master List of Degrees and Majors has been corrected to reflect current offerings.

COLLEGE OF AGRICULTURE, LIFE SCIENCES, and NATURAL RESOURCES

Bachelor of Science

Agricultural Business
Agricultural Communications
Animal and Veterinary Science
Biology
Botany
Design, Merchandising and Textiles
Human Development and Family Sciences
Human Nutrition and Food
Microbiology
Molecular Biology
Physiology
Plant Production and Protection
Ranch Management and Agricultural Leadership
Rangeland Ecology and Watershed Management
Wildlife and Fisheries Biology and Management
Zoology

Master of Arts

Molecular Biology (Pending BOT May 2025)

Master of Science

Agricultural and Applied Economics
Animal and Veterinary Science
Botany

COLLEGE OF AGRICULTURE, LIFE SCIENCES, and NATURAL RESOURCES (cont.)

Master of Science (cont.)

Entomology
Family and Consumer Sciences
 Design, Merchandising and Textiles
 Human Development and Family Sciences (100% Online)
 Human Nutrition and Food
Food Science and Human Nutrition (*interdisciplinary*)
Molecular Biology@
Nutrition and Dietetics
Plant Sciences
Rangeland Ecology and Watershed Management
Soil Science
Zoology and Physiology

Doctor of Philosophy

Animal and Veterinary Science
Botany (Pending BOT May 2025)
Entomology
Molecular Biology
Plant Sciences
Rangeland Ecology and Watershed Management
Soil Sciences
Zoology and Physiology

@ = Molecular Biology is listed under both the Master of Science and Master of Arts categories, but is only counted as one master's program

COLLEGE OF ARTS and SCIENCES

Bachelor of Arts

African American and Diaspora Studies (Pending BOT May 2025)
American Studies
Anthropology
Art Education
Art History (Pending BOT May 2025)
Communication
Criminal Justice (100% Online)
English
European Languages, Literature, and Film Studies
French
Gender and Women's Studies (Pending BOT May 2025)
German
History
International Studies
Journalism
Music
Native American and Indigenous Studies
Philosophy
Political Science
Religious Studies
Sociology (100% Online)
Spanish
Studio Art

Theatre and Dance
Visual Art (Pending May 2025)

COLLEGE OF ARTS and SCIENCES (cont.)

Bachelor of Fine Arts

Art

Studio Art[#]
Theatre and Dance[#]
Visual Communication Design

Bachelor of Music

Jazz Performance
Music Education
Music Performance

Bachelor of Science

Communication[#]
Journalism
Political Science[#]
Psychology (100% Online Completion)

Master of Arts

American Studies (*interdisciplinary*)
Anthropology
Communication
English (Hybrid)
History
International Studies (*interdisciplinary*)
Political Science
Spanish

Master of Fine Arts in Creative Writing

Master of Music

Master of Music Education

***Master of Public Administration* (100% Online)**

Master of Science

Psychology

Doctor of Philosophy

Anthropology
English
Psychology

= This major counted under a previously listed undergraduate degree in the College of Arts and Sciences.

COLLEGE OF BUSINESS

Bachelor of Science in Business

Accounting (100% Online)

Business Economics

Entrepreneurship

Finance

Management (100% Online)

Marketing (100% Online)

Professional Selling

Bachelor of Science in Economics

Master of Business Administration

Business Administration

Business Administration – Executive[^] (100% Online)

Business Administration – Advanced Accounting[^] (100% Online)

Business Administration – Energy[^] (100% Online)

Master of Science

Accounting (100% Online)

Economics

Finance (100% Online)

Doctor of Philosophy

Economics

Management and Marketing

[^] = This listing not counted as a separate major

COLLEGE OF EDUCATION

Bachelor of Applied Science

Major: Career and Technical Education (100% Online Completion)

Areas of Concentration:

Business (100% Online)

Family and Consumer Science (100% Online Completion)

Bachelor of Arts

Major: Elementary Education (100% Online Completion)

Major: Elementary and Special Education (K-12) (100% Online Completion)

Major: Secondary Education

Areas of Concentration:

English Education with concurrent major in English^{*}

Mathematics Education with concurrent major in Mathematics^{*}

Modern Languages Education with concurrent majors in French, German or Spanish^{*}

Science Education with concurrent majors in Biology, Chemistry, Physics, or Earth Science. Earth Science majors choose concurrent majors in Geology or Environmental Systems Science^{*}

Social Studies Education with concurrent majors in History or Political Science^{*}

Bachelor of Science

Major: Agricultural Education with concurrent majors in Animal and Veterinary Science, Agricultural Business or Agricultural Communication

^{*} = This is not a separate major and is considered a concentration within that major (ex. Master of Arts with a concentration in Curriculum & Instruction or a Doctor of Philosophy with a concentration in Curriculum Studies)

COLLEGE OF EDUCATION (cont.)

Master of Arts

Major: Education

Areas of Concentration:

Curriculum & Instruction* (100% Online)

Educational Leadership* (100% Online)

Higher Education Administration* (100% Online)

Literacy Education* (100% Online)

Special Education* (100% Online)

Master of Arts in Teaching

Mathematics[&] (100% Online)

Physics[&] (100% Online)

Master of Science

Major: Counseling

Areas of Concentration:

Mental Health Counseling*

School Counseling*

Major: Education[&]

Areas of Concentration:

Learning Design & Technology* (100% Online)

Major: Natural Science (interdisciplinary) (Hybrid)

Master of Science in Teaching

Major: Mathematics[&] (100% Online)

Major: Natural Science (interdisciplinary)[&] (Hybrid)

Doctor of Education

Major: Education

Areas of Concentration:

Curriculum & Instruction* (100% Online)

Educational Administration*

Educational Leadership* (100% Online)

Higher Education Administration (100% Online)

Learning Design & Technology* (100% Online)

Mathematics Education* (100% Online)

Doctor of Philosophy

Major: Counselor Education and Supervision

Major: Curriculum and Instruction

Areas of Concentration:

Curriculum Studies* (100% Online)

Literacy Education* (Hybrid)

Mathematics Education* (Hybrid)

Science Education* (Hybrid)

Major: Education[&]

Area of Concentration:

Adult & Post Secondary Education*

Learning Design & Technology*

Institutional Technology*

* = This is not a separate major and is considered a concentration within that major (ex. Master of Arts with a concentration in Curriculum & Instruction or a Doctor of Philosophy with a concentration in Curriculum Studies)

& = This major counted under a previously listed graduate degree in the College of Education.

COLLEGE OF ENGINEERING AND PHYSICAL SCIENCES (CEPS)

Bachelor of Arts

Chemistry

Geology and Earth Sciences

Mathematics

Physics

Bachelor of Science

Astronomy/Astrophysics

Chemistry[%]

Chemistry (ACS approved)[^]

Environmental Geology/Geohydrology

Geography

Geology

Mathematics[%]

Physics[%]

Statistics[%]

Bachelor of Science in Architectural Engineering

Bachelor of Science in Chemical Engineering

Bachelor of Science in Civil Engineering

Bachelor of Science in Computer Engineering

Bachelor of Science in Computer Science

Bachelor of Science in Construction Management

Bachelor of Science in Electrical Engineering

Bachelor of Science in Energy Systems Engineering

Bachelor of Science in Mechanical Engineering

Bachelor of Science in Petroleum Engineering

Master of Arts

Mathematics

Master of Arts in Teaching

Mathematics[&]

Master of Engineering

Energy & Petroleum Engineering

Master of Science in Teaching

Mathematics[&]

Physics[&]

Master of Science

Architectural Engineering

Artificial Intelligence

Atmospheric Science

Chemical Engineering

Chemistry

Civil Engineering

Computer Science

Electrical Engineering

Environmental Engineering

Geology

Geophysics

Mathematics[&]

Mechanical Engineering

Petroleum Engineering

Physics
Quantum Information Science & Engineering
Statistics

Doctor of Philosophy

Atmospheric Science
Chemical Engineering
Chemistry
Civil Engineering
Computer Science
Electrical Engineering
Geology
Geophysics
Mathematics
Mechanical Engineering
Petroleum Engineering
Physics

SCHOOL OF COMPUTING[!]

Bachelor of Science

Applied Software Development (100% Online)
Geospatial Information Science and Technology

Bachelor of {affiliated degree}/Applied Computing concurrent major [^] (Pending BOT May 2025)

Master of Science

Geospatial Information Science and Technology - Professional Option (100% Online)
Geospatial Information Science and Technology – Thesis Option

[^] = This listing not counted as a separate major

[&] = This major counted under a previously listed graduate degree in the College of Engineering and Physical Sciences.

[%] = This major counted under a previously listed undergraduate degree in the College of Engineering and Physical Sciences.

[!] = The School of Computing is incubating in the College of Engineering and Physical Sciences.

COLLEGE OF HEALTH SCIENCES

Bachelor of Science

Kinesiology and Health Promotion
Medical Laboratory Science (Hybrid)
Physical Education Teaching
Speech, Language and Hearing Sciences

Bachelor of Science in Dental Hygiene (Hybrid)

Bachelor of Science in Nursing (Three options - On campus BASIC traditional, 100% Online Completion, and 2nd degree Hybrid)

Bachelor of Social Work

Master of Science

Health Services Administration (Hybrid)
Kinesiology and Health (100% Online)
Nursing (100% Online)
Speech-Language Pathology

Master of Social Work

Doctor of Nursing Practice

Doctor of Pharmacy

COLLEGE OF LAW

Juris Doctor

HAUB SCHOOL OF ENVIRONMENT and NATURAL RESOURCES

Bachelor of Science

Environment and Natural Resources/ {affiliated major}

Environmental Systems Science

Outdoor Recreation & Tourism Management

Master of Science

Environment, Natural Resources and Society

HONORS COLLEGE

Bachelor of {affiliated degree}/Honors Interdisciplinary Inquiry concurrent major ^

^ = This listing not counted as a separate major

SCHOOL OF ENERGY RESOURCES

Bachelor of Science

Energy Resource Management and Development

Energy and Environmental Systems^{\$}

Professional Land Management ^{\$}

^{\$} = This is not a separate major and is considered a concentration within that major (ex. Bachelor of Science with a concentration in Energy and Environmental Systems or Bachelor of Science with a concentration in Professional Land Management)

CROSS-COLLEGE INTERDISCIPLINARY GRADUATE DEGREES

Juris Doctor/Master of Arts in Environment and Natural Resources #

Juris Doctor/Master of Public Administration #

Master of Science

Ag Econ/Water Resources[#]

Botany/Water Resources[#]

Civil Engineering/Water Resources[#]

Economics/Water Resources[#]

Entomology/Water Resources[#]

Geographic Information Science & Technology/Water Resources

Geology/Water Resources[#]

Geophysics/Water Resources[#]

Rangeland Ecology/Water Resources[#]

Soil Science/Water Resources[#]

Zoology & Physiology/Water Resources[#]

= This listing not counted as a separate major

ACADEMIC AFFAIRS

Bachelor of General Studies (100% Online Completion)

Master of Science

Biomedical Sciences

Master of {affiliated degree}/Environment and Natural Resources ^

Doctor of Philosophy

Biomedical Sciences

Ecology and Evolution

Hydrologic Science

Molecular and Cellular Life Sciences

Neuroscience

^ = This listing not counted as a separate major

UW at CASPER

Bachelor of Applied Science

Organizational Leadership (100% Online)

Aggregate List of Certificates and Teacher Endorsements Offered at UW May 2025

Graduate Certificates

Collaborative Practice (Pending BOT May 2025)

Community and Public Health (100% Online)
Community College Leadership (100% Online)
Early Birth to Five Certificate and Teacher Endorsement (100% Online)
Early Birth to Eight Teacher Endorsement (100% Online)
Early Childhood Special Education (birth to five) (100% Online)
Early Childhood Special Education Teacher Endorsement (100% Online)
Energy Business (100% Online)
English as a Second Language Teacher Endorsement and Certificate (100% Online)

Environment and Natural Resources Law & Policy (Pending BOT May 2025)

Financial Planning (100% Online)
Geospatial Information Science & Technology (GIS&T) (100% Online)
Literacy Certificate and Wyoming Reading Teacher Endorsement (K-6) (100% Online)
Literacy Certificate and Wyoming Reading Teacher Endorsement (6-12) (100% Online)
Literacy Certificate and Wyoming Reading Teacher Endorsement (K-12) (100% Online)
Music Performance
Nuclear Energy Science
Online Instruction (100% Online)
Play Therapy (100% Online)
Reclamation and Restoration Ecology
Remote Sensing (100% Online)
School District Superintendent (100% Online)
School Principalship (100% Online)
School Social Work (100% Online)
Teachers of American Indian Children (100% Online)
Teaching Elementary School (Hybrid)
Teaching Middle School Math
Teaching Middle School Science
Teaching Secondary Content (Hybrid)
Unmanned Aerial Systems (drones) (100% Online)

Undergraduate Certificates

American Sign Language
American Studies
Arts Entrepreneurship (100% Online)
Audio Technology
Cadastral Surveying (100% Online)
Carbon Capture Utilization and Storage (CCUS) (100% Online)
Computer Science Education
Construction Management
Cybersecurity
Early Childhood Program Director
Geographic Information Science (GIS)
Land Administration (100% Online)
Nuclear Energy Science
Agribusiness Leadership, UW at Casper (100% Online)
Health Leadership, UW at Casper (100% Online)

Organizational Leadership, UW at Casper (100% Online)
Remote Sensing (Hybrid)