

UNIVERSITY OF WYOMING  
**MASTER LIST OF DEGREES AND MAJORS**  
as authorized by the Trustees  
**May 2024**

*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 at a later date, once departments are merged and curriculum is changed. **Degrees and Certificates proposed to be deleted from previous Master Lists are highlighted in yellow and crossed out.** 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

***Master of Science***

Agricultural 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  
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  
American Studies  
Anthropology  
Art Education  
Art History  
Communication  
Criminal Justice (100% Online)  
English  
European Languages, Literature, and Film Studies (Pending BOT approval May 2024)  
French (Discontinued, approved by BOT March 2024)  
Gender and Women's Studies  
German (Discontinued, approved by BOT March 2024)  
History  
International Studies  
Journalism  
Music  
Native American and Indigenous Studies  
Philosophy  
Psychology (Discontinued, approved by BOT March 2024)  
Political Science  
Religious Studies  
Sociology (100% Online)  
Spanish

Studio Art  
Theatre and Dance

**COLLEGE OF ARTS and SCIENCES (cont.)**

***Bachelor of Fine Arts***

Studio Art#  
Theatre and Dance#  
Visual Communication Design

***Bachelor of Music***

Jazz Performance  
Music Education  
Music Performance

***Bachelor of Science***

Communication#  
Political Science#  
Psychology (100% Online Completion)

***Master of Arts***

American Studies (*interdisciplinary*)  
Anthropology  
Communication  
English (Hybrid)  
History  
International Studies (*interdisciplinary*)  
**Philosophy** (Discontinued, approved by BOT March 2024)  
Political Science  
**Sociology** (Discontinued, approved by BOT March 2024)  
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 (Pending BOT approval May 2024)**  
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<sup>^</sup> (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

<sup>^</sup> = 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<sup>&</sup> (100% Online)

Physics<sup>&</sup> (100% Online)

***Master of Science***

Major: Counseling

Areas of Concentration:

Mental Health Counseling\*

School Counseling\*

Major: Education<sup>&</sup>

Areas of Concentration:

**Instructional Technology\*** (Discontinued, approved by BOT March 2024)

Learning Design & Technology\* (100% Online)

Major: Natural Science (interdisciplinary) (Hybrid)

***Master of Science in Teaching***

Major: Mathematics<sup>&</sup> (100% Online)

Major: Natural Science (interdisciplinary)<sup>&</sup> (Hybrid)

***Doctor of Education***

Major: Education

Areas of Concentration:

**Adult & Post Secondary Education\*** (Discontinued, approved by BOT March 2024)

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<sup>&</sup>

Area of Concentration:

**Adult & Post Secondary Education\***

**Educational Administration\*** (Discontinued, approved by BOT March 2024)

**Higher Education Administration\*** (Discontinued, approved by BOT March 2024)

**Instructional Technology\*** (Discontinued, approved by BOT March 2024)

**Learning Design & Technology\***

## COLLEGE OF EDUCATION (cont.)

Literacy Education\* (Discontinued, approved by BOT March 2024)  
Mathematics Education\* (Discontinued, approved by BOT March 2024)  
Science Education\* (Discontinued, approved by BOT March 2024)

\* = 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 (Discontinued, approved by BOT March 2024)

Mathematics (Discontinued, approved by BOT March 2024)

Physics

Statistics (Discontinued, approved by BOT March 2024)

### *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 (Approved May 2023, begins in Fall 2024)

*Master of Science in Teaching*

Mathematics&

Physics&

*Master of Science*

Architectural Engineering

Artificial Intelligence (Pending BOT approval May 2024)

## COLLEGE OF ENGINEERING AND PHYSICAL SCIENCES (CEPS) (cont.)

Atmospheric Science  
Chemical Engineering  
Chemistry  
Civil Engineering  
Computer Science  
Electrical Engineering  
Environmental Engineering  
Geology  
Geophysics

Quantum Information Science & Engineering (Pending BOT approval May 2024)

Mathematics<sup>&</sup>  
Mechanical Engineering  
Petroleum Engineering  
Physics  
Statistics

### ***Doctor of Philosophy***

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

<sup>^</sup> = This listing not counted as a separate major

<sup>&</sup> = This major counted under a previously listed graduate degree in the College of Engineering and Physical Sciences.

<sup>%</sup> = This major counted under a previously listed undergraduate degree in the College of Engineering and Physical Sciences.

<sup>!</sup> = 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 2<sup>nd</sup> degree Hybrid)

***Bachelor of Social Work***

### ***Master of Science***

Health Services Administration (Hybrid)  
Kinesiology and Health (100% Online)

## **COLLEGE OF HEALTH SCIENCES (cont.)**

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**

Bachelors in Honors Interdisciplinary Inquiry concurrent major

## **SCHOOL OF COMPUTING<sup>!</sup>**

***Bachelor of Science***

Geospatial Information Science and Technology  
**Bachelor of Science in Applied Software Development (100% Online)**

***Master of Science***

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

! = The School of Computing is incubating in the College of Engineering and Applied Science

## **SCHOOL OF ENERGY RESOURCES**

***Bachelor of Science***

Energy Resource Management and Development  
Energy and Environmental Systems<sup>\$</sup>  
Professional Land Management <sup>\$</sup>

<sup>\$</sup> = 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 2024

### *Graduate Certificates*

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)  
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  
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 (Derived from approved Music Entrepreneurship Certificate – updated documentation in progress) (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)  
Music Entrepreneurship (100% Online) (replaced by Arts Entrepreneurship Certificate)  
Agribusiness Leadership, UW at Casper (100% Online) (pending BOT approval May 2024)  
Health Leadership, UW at Casper (100% Online) (pending BOT approval May 2024)  
Organizational Leadership, UW at Casper (100% Online) (pending BOT approval May 2024)  
Remote Sensing (Hybrid)