Cowboy Credit: Environmental Systems Science Pathway
2026-2027 University of Wyoming & Front Range Community College

Cowboy Credit is a planning tool that helps students identify coursework that may align with a UW academic pathway before transferring to the University of Wyoming.

START YOUR PATH
Planning for Environmental Systems Science at UW?
Start with these commonly transferable courses to build your UW-TAG and stay on track in UW's Environmental Systems Science program

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Scientific Foundations
Take these courses before you transfer:

- General Biology
- General Chemistry
- Environmental Science
- Physical Geography or Physical Geology

These courses form the scientific foundation for understanding environmental systems and processes and are typically taken in sequence. They may require placement or prerequisites.

Quantitative Foundations
Build your math and analytical skills early:

- College Algebra (or higher)
- Statistics or Calculus I
- GIS and Remote Sensing

These courses are critical for success in upper-division science coursework.

Applied & Laboratory Science

- Lab-based science courses (biology, chemistry, environmental science)
- Introductory field or applied science courses

These courses enhance your preparation and broaden your understanding of environmental systems and applied science.

General Education
Strong communication skills support scientific collaboration, research, and professional practice in environmental fields.

- English Composition
- Communication (Public Speaking recommended)
- Human Culture
- American & Wyoming government

Every student's path is unique. You don't need to complete all of these courses before transferring—this guide helps you start building a strong foundation, and our team will work with you to make the most of your previous coursework, including AP, IB, CLEP, dual enrollment, and transfer credit.

THE WORLD NEEDS MORE COWBOYS.

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ESS Foundation Coursework	UW Credits	Front Range Community College
ENR/GEOL 1330 Water, Dirt, and Earth's Environment (PN)	4	*No direct equivalent (course completed after transfer)*
LIFE 1010 General Biology (PN)	4	BIO 1111 General College Biology I, with Lab
CHEM 1020 General Chemistry I (PN)	4	CHE 1111 General College Chemistry I, with Lab
ESS 1000 Wyoming in the Earth System (PN)	3	*No direct equivalent (course completed after transfer)*
GEOG 1010 Physical Geography (PN) Or GEOL 1100 Physical Geology (PN)	3 4	GEO 1111 Physical Geography: Landforms with Lab GEY 1111 Physical Geology with Lab

Quantitative Foundations	UW Credits	Front Range Community College
MATH 1400 College Algebra (Q)	3	MAT 1340 College Algebra
MATH 2200 Calculus I (Q) Or STAT 2050 Fundamentals of Statistics (Q)	4	MAT 2410 Calculus I MAT 1260 Introduction to Statistics
GIST 2310 Intro to Geographic Information Systems	4	GIS 1001 Introduction to GIS

Applied / Interdisciplinary Science (Optional)	UW Credits	Front Range Community College
ENR 1200 Environment (PN)	4	ENV 1111 Environmental Science, with Lab
PLNT 1000 Agroecology (PN)	4	*No direct equivalent (course completed after transfer)*
REWM 2000 Principles of Rangeland Management	3	NRE 2204 Range Management & Restoration

General Education	UW Credits	Front Range Community College
ENGL 1010 College Composition and Rhetoric (C1)	3	ENG 1021 English Composition I
COMM 2010 Public Speaking (C2)	3	COM 1150 Public Speaking
SOC 1000 Sociological Principles (H)	3	SOC 1001 Introduction to Sociology I
POLS 1000 American and Wyoming Government	3	POS 1011 American Government* *Requires Challenge Exam to satisfy Wyoming Government*

Cowboy Credit is a planning tool designed to support transfer and pathway exploration. Final course equivalencies are determined after admission and receipt of official transcripts.

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