Cowboy Credit: Pre-Pharmacy Pathway
2026-2027 University of Wyoming & Front Range Community College 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 graduate work in Pharmacy at UW?

The Pre-Pharmacy pathway helps students complete the foundational science, mathematics, communication, and general education coursework commonly required before admission to the University of Wyoming Doctor of Pharmacy (PharmD) program. Students interested in medication therapy, patient care, pharmaceutical sciences, and healthcare professions may find this pathway particularly useful.

Students must earn a minimum grade of C in all required courses to be eligible to apply to the program.

Biological Sciences Foundations

Recommended coursework:

- General Biology
- Microbiology
- Genetics and Human Physiology

These courses provide foundational knowledge of living systems, disease processes, genetics, and human health.

Chemistry Foundations

Recommended coursework:

- General Chemistry I & II
- Organic Chemistry I & II
- Biochemistry

Strong preparation in chemistry is essential for success in pharmacy coursework and professional practice.

Quantitative Foundations

- Trigonometry
- Calculus I
- Statistics

Quantitative reasoning and analytical skills support pharmaceutical calculations, research, and evidence-based healthcare decision making.

Communication & Professional Foundations

- English Composition
- Communication (Public Speaking recommended)
- U.S. & Wyoming Constitution

Pharmacists work closely with patients, healthcare providers, and communities. Strong communication skills and cultural awareness support effective professional practice.

Professional Readiness

The pharmacy curriculum begins with a two-year preprofessional program followed by the four-year Doctor of Pharmacy (PharmD) program. Students typically apply to the PharmD program during their second preprofessional year. Admission is competitive and completion of prerequisite coursework does not guarantee admission.

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.

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THE WORLD NEEDS MORE COWBOYS.

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Biological Sciences Foundations	**UW Credits**	**Front Range Community College**
LIFE 1010 General Biology (PN)	4	BIO 1111 General College Biology I, with Lab
MOLB 2021 General Microbiology or MOLB 2240 Medical Microbiology	4	BIO 2104 Microbiology, with Lab BIO 2108 General College Microbiology
LIFE 3050 Genetics	4	*(students typically take this course at UW)*
ZOO 3115 Human Systems Physiology	4	*(students typically take this course at UW)*
Chemistry Foundations	**UW Credits**	**Front Range Community College**
CHEM 1020 General Chemistry I	4	CHE 1111 General College Chemistry I, with Lab
CHEM 1030 General Chemistry II	4	CHE 1112 General College Chemistry II, with Lab
CHEM 2420 Organic Chemistry I	4	CHE 2111 Organic Chemistry I, with Lab
CHEM 2440 Organic Chemistry II	4	CHE 2112 Organic Chemistry II, with Lab
MOLB 3610 Principles of Biochemistry	4	*(students typically take this course at UW)*
Quantitative Foundations	**UW Credits**	**Front Range Community College**
MATH 1405 Trigonometry (Q)	3	MAT 1440 Pre-Calculus
MATH 2200 Calculus I (Q)	4	MAT 2410 Calculus I
STAT 2050 Fundamentals of Statistics (Q)	4	MAT 1260 Introduction to Statistics
Communication & Professional Foundations	**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
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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