Cowboy Credit: Pre-Pharmacy Pathway
2026-2027 University of Wyoming & Casper 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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Biological Sciences Foundations	**UW Credits**	**Casper College**
LIFE 1010 General Biology (PN)	4	BIOL 1010
MOLB 2021 General Microbiology or MOLB 2240 Medical Microbiology	4	MOLB 2210 or MOLB 2240
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**	**Casper College**
CHEM 1020 General Chemistry I	4	CHEM 1020
CHEM 1030 General Chemistry II	4	CHEM 1030
CHEM 2420 Organic Chemistry I	4	CHEM 2420
CHEM 2440 Organic Chemistry II	4	CHEM 2440
MOLB 3610 Principles of Biochemistry	4	*(students typically take this course at UW)*
Quantitative Foundations	**UW Credits**	**Casper College**
MATH 1405 Trigonometry (Q)	3	MATH 1405
MATH 2200 Calculus I (Q)	4	MATH 2200
STAT 2050 Fundamentals of Statistics (Q)	4	STAT 2050
Communication & Professional Foundations	**UW Credits**	**Casper College**
ENGL 1010 College Composition and Rhetoric (C1)	3	ENGL 1010
COMM 2010 Public Speaking (C2)	3	COMM 2010
POLS 1000 American and Wyoming Government	3	POLS 1000

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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