

Academic Pathway

**Pre-Pharmacy – Transfer to University of Montana**

Associated of Science

**Academic & Career Pathway: Science, Technology, Engineering and Math and Health Science**

Student:

Advisor:

Course/Semester (Prefix, Number and Title)		Credits	Fall/Spring Only	Milestone Course	Notes	Completed
<b>Semester 1</b>						
M 171	Calculus I	4				
BIOH 201	Anatomy & Physiology I	4		*		
WRIT 101	College Writing I	3				
CHMY 141	College Chemistry I with Lab	4		*		
<b>Total</b>		<b>15</b>				
<b>Semester 2</b>						
BIOH 211	Anatomy & Physiology II	4		*		
STAT 216	Introduction to Statistics	3				
CHMY 143	College Chemistry II with Lab	4		*		
PSYX 100 or SOC 101	Introduction to Psychology or Introduction to Sociology	3				
<b>Total</b>		<b>14</b>				
<b>Summer semester</b>						
COMX 111	Intro to Public Speaking	3			Course offered every fall, spring, and summer semester	
NASX 105	Intro to Native American Studies	3			D & CHAI Course offered every fall, spring, and summer semester	
<b>Total</b>		<b>6</b>				
<b>Semester 3</b>						
ECNS 201	Principles of Microeconomics	3				
PHSX205	College Physics I with Lab	4	Fall			
LIT 110	Intro to Literature	3			Course meets H&FA requirement and additional core requirements at UM. Other H&FA electives can be discussed with Pre-Pharmacy advisor.	

CHMY 221	Organic Chemistry I with Lab	5	Fall	*	
<b>Total</b>		<b>15</b>			
<b>Semester 4</b>					
SPNS 101/102, PHL 110, ARTH 200/201	Elementary Spanish I or II, Intro to Ethics, Art of World Civilizations I or II	3-4			Courses listed meet both H&FA requirements at HC and additional core requirements at UM. Check the UM gen ed core list for other options that meet more than one requirement. Other H&FA electives can be discussed with Pre-Pharmacy advisor.
BIOB 260	Cellular and Molecular Biology	4	Spring	*	
CHMY 223	Organic Chemistry I with Lab	5	Spring	*	
<b>Total</b>		<b>12-13</b>			
<b>Optional</b>					
CHMY 290*	Undergraduate Research	2-3*	*optional		Available any semester; preferred after 1 <sup>st</sup> year

**\*Students must earn a C- or better in order to successfully complete a course.**

**Notes:** UM can be found here: <http://health.umt.edu/pharmacy/Prospective%20Students/Pre-pharmacy%20Program/Pre-Pharmacy%20Curriculum.php>. These requirements also fit those recommended by most pharmacy schools across the country, as outlined here: <https://career.berkeley.edu/Health/PharmPrepCourses>.

UM General Education Core Requirements <https://catalog.umt.edu/academics/general-education-requirements/>

PCAT exam is usually scheduled and taken during the third semester, halfway through the Organic Chemistry sequence. Please see the Pre-Pharmacy advisor for more information.

Students that complete the Helena College General Education Core will earn a Certificate of General Studies.

<b>Certificate of General Studies</b>		
<b>Category</b>	<b>Credits</b>	<b>Complete</b>
Natural Science with Lab		
Natural Science		
Mathematics		
Written Communication		
Oral Communication		
Social & Psychological Sciences/History		
Social & Psychological Sciences/History		
Humanities/Fine Arts		
Humanities/Fine Arts		
Cultural Diversity		
Total Credits (30-32)		