

Jumpstart Pathway

**Civil Engineering Transfer to Montana State University**

Associate of Science

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

Student:

Advisor:

<b>Course/Semester (Prefix, Number and Title)</b>	<b>Credits</b>	<b>Fall/Spring Only</b>	<b>Milestone Course</b>	<b>Notes</b>	<b>Completed</b>
<b>Semester 1</b>					
M 171 - Calculus I	4		*	MSU required course Students not prepared for M 171 their first semester should consider taking M 151 the summer prior.	
CHMY 141 – College Chemistry I	4	Fall	*	MSU required course	
WRIT 101 – College Writing I	3				
PHL 110 – Introduction to Ethics	3			H&FA course PHL 110 strongly encouraged but can choose any Humanities/Fine Arts class approved for transfer. Can be taken any semester.	
COMX 111 – Introduction to Public Speaking	3		*	MSU required course. Course offered every fall, spring, and summer semester.	
<b>Total</b>	<b>17</b>				
<b>Semester 2</b>					
M 172 – Calculus II	4	Spring	*	MSU required course	
PHSX 220 – Physics I (w/ Calculus)	4	Spring	*	MSU required course	
WRIT 201 – College Writing II	3		*	MSU required course Course offered every fall, spring, and summer semester.	
CHMY 143 – College Chemistry II	4	Spring	*	MSU required course	
<b>Total</b>	<b>15</b>				
<b>Semester 3</b>					
M 273 – Multivariable Calculus	4	Fall	*	MSU required course	
PHSX 222 – Physics II (w/ Calculus)	4	Fall	*	MSU required course	
BIOB 160 – Principles of Living Systems	4	Fall	*	MSU required course	
PSYX 100 – Introduction to Psychology	3			S&PS/H Course offered every fall, spring, and summer semester.	
<b>Total</b>	<b>15</b>				
<b>Semester 4</b>					

M 274 – Differential Equations	4	Spring	*	MSU required course	
ARTZ 105 Visual Language Drawing, or LIT 110 Intro to Literature	3			H&FA course Recommended courses also offered at MSU. Any H&FA course will meet this requirement for HC.	
NASX 105 – Introduction to Native American Studies	3			D & CHAI Course offered every fall, spring, and summer semester.	
SOCI 101 – Introduction to Sociology	3			S&PS/H Course offered every fall, spring, and summer semester.	
<b>Total</b>	<b>13</b>				

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

MSU Civil Engineering degree requirements <http://catalog.montana.edu/undergraduate/engineering/civil-engineering/civil-engineering/>

MSU General Education Core requirements <http://catalog.montana.edu/core-general-curricular-requirements/>

60 credits to degree

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)		