

**Academic Pathways Map**  
**Civil Engineering Transfer to MSU Part Time**  
**A.S. Jumpstart**  
**Engineering and Math**

**Start Here**

<b>SEMESTER 1</b>		<b>CREDITS</b>	<b>MILESTONE</b>	<b>✓</b>
M171	Calculus I	4	*	
CHMY141	College Chemistry I	4	*	
WRIT101	College Writing I	3		
COLS101	First Year Seminar	3		
		<b>TOTAL CREDITS</b>	<b>14</b>	

<b>SEMESTER 2</b>		<b>CREDITS</b>	<b>MILESTONE</b>	<b>✓</b>
M172	Calculus II	4	*	
CHMY143	College Chemistry II	4	*	
COMX111	Introduction to Public Speaking	3	*	
		<b>TOTAL CREDITS</b>	<b>11</b>	

<b>SEMESTER 3</b>		<b>CREDITS</b>	<b>MILESTONE</b>	<b>✓</b>
WRIT201	College Writing II	3	*	
BIOB160	Principles of Living Systems	4	*	
PHSX220	Take PHYS 205 at Carroll	4		
		<b>TOTAL CREDITS</b>	<b>11</b>	

<b>SEMESTER 4</b>		<b>CREDITS</b>	<b>MILESTONE</b>	<b>✓</b>
PSYX100	Introduction to Psychology	3		
PHSX222	Take PHYS 206 at Carroll	4		
		<b>TOTAL CREDITS</b>	<b>7</b>	

<b>SEMESTER 5</b>		<b>CREDITS</b>	<b>MILESTONE</b>	<b>✓</b>
Choose 1 of 2	ARTZ105, LIT110	3		
PHL110	Problems of Good and Evil	3		
		<b>TOTAL CREDITS</b>	<b>6</b>	

<b>SEMESTER 6</b>		<b>CREDITS</b>	<b>MILESTONE</b>	<b>✓</b>
NASX105	Introduction to Native American Studies	3		
M115	Probability and Linear Mathematics	3		
		<b>TOTAL CREDITS</b>	<b>6</b>	

<b>SEMESTER 7</b>		<b>CREDITS</b>	<b>MILESTONE</b>	<b>✓</b>
STAT216	Introduction to Statistics	3		

SOCI101	Introduction to Sociology	3		
		<b>TOTAL CREDITS</b>	<b>6</b>	

**You are finished!**

**Pathway Advising Notes:** This is a Jumpstart Pathway. Courses taken at Helena College will transfer to Montana State University and will satisfy most of the coursework required in the first year of the Civil Engineering degree.

- There are some courses that are offered on the MSU campus only which can be taken after transfer
- M273 Multivariable Calculus and M274 Differential can be taken at MSU.
- A grade of C- or better is required in all MSU Core courses
- Some courses may be offered in the Summer.

**Course Advising Notes:** M171: MSU required course

Students not prepared for M 171 their first semester should consider taking M 151 the summer prior

CHMY141: MSU required course

M172: MSU required course

CHMY143: MSU required course

WRIT201: MSU required course

BIOB160: MSU required course

PHSX220: Take PHYS 205 at Carroll

PSYX100: MSU required course

PHSX222: Take PHYS 206 at Carroll

ARTZ105 or LIT110: H&FA course

Recommended courses also offered at MSU. Any H&FA course will meet this requirement for HC.

PHL110: H&FA course

PHL 110 strongly encouraged but can choose any Humanities/Fine Arts class approved for transfer. Can be taken any semester.