

**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>
PHL110	PROBLEMS OF GOOD AND EVIL	3		
WRIT201	COLLEGE WRITING II	3	*	
BIOB160	PRINCIPLES OF LIVING SYSTEMS	4	*	
		<b>TOTAL CREDITS</b>	<b>10</b>	

<b>SEMESTER 4</b>		<b>CREDITS</b>	<b>MILESTONE</b>	<b>✓</b>
PHSX220	PHYSICS I (W/ CALCULUS)	4	*	
PSYX100	INTRODUCTION TO PSYCHOLOGY	3		
		<b>TOTAL CREDITS</b>	<b>7</b>	

<b>SEMESTER 5</b>		<b>CREDITS</b>	<b>MILESTONE</b>	<b>✓</b>
PHSX222	PHYSICS II (W/ CALCULUS)	4	*	
Choose 1 of 2	ARTZ105, LIT110	3		
		<b>TOTAL CREDITS</b>	<b>7</b>	

<b>SEMESTER 6</b>		<b>CREDITS</b>	<b>MILESTONE</b>	<b>✓</b>
NASX105	INTRODUCTION TO NATIVE AMERICAN STUDIES	3		
SOCI101	INTRODUCTION TO SOCIOLOGY	3		
M115	PROBABILITY AND LINEAR MATHEMATICS	3		
		<b>TOTAL CREDITS</b>	<b>9</b>	

<b>SEMESTER 7</b>		<b>CREDITS</b>	<b>MILESTONE</b>	<b>✓</b>

STAT216	INTRODUCTION TO STATISTICS	3		
SPNS101	ELEMENTARY SPANISH	4		

**TOTAL CREDITS 7**

**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

PHL110: H&FA course

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

WRIT201: MSU required course

BIOB160: MSU required course

PHSX220: MSU required course

PSYX100: MSU required course

PHSX222: MSU required course

ARTZ105 or LIT110: H&FA course

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