



# Academic Pathways Map

## Civil Engineering Transfer to MSU

A.S. Jumpstart  
Engineering and Math

### Start Here

SEMESTER 1		CREDITS	MILESTONE	✓
M171	Calculus I	4	*	
CHMY141	College Chemistry I	4	*	
WRIT101	College Writing I	3		
COLS101	First Year Seminar	3		
COMX111	Introduction to Public Speaking	3	*	

TOTAL CREDITS 17

SEMESTER 2		CREDITS	MILESTONE	✓
M172	Calculus II	4	*	
WRIT201	College Writing II	3	*	
CHMY143	College Chemistry II	4	*	
SOCI101	Introduction to Sociology	3		

TOTAL CREDITS 14

SEMESTER 3		CREDITS	MILESTONE	✓
PHSX220	Physics I (w/ Calculus)	4	*	
BIOB160	Principles of Living Systems	4	*	
PSYX100	Introduction to Psychology	3		
STAT216	Introduction to Statistics	3		
PHL110	Problems of Good and Evil	3		

TOTAL CREDITS 17

SEMESTER 4		CREDITS	MILESTONE	✓
Choose 1 of 2	ARTZ105, LIT110	3		
NASX105	Introduction to Native American Studies	3		
M115	Probability and Linear Mathematics	3		
PHSX222	Physics II (w/ Calculus)	4		

TOTAL CREDITS 13

**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.

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

Students not prepared for M171 their first semester should consider taking M151 the summer prior.

CHMY141: MSU required course.

COMX111: MSU required course. Course offered every fall, spring, and summer semester.

M172: MSU required course.

WRIT201: MSU required course. Course offered every fall, spring, and summer semester.

CHMY143: MSU required course.

SOCI101: Can be taken any semester

PHSX220: MSU required course. Course to be taken at Carroll.

BIOB160: MSU required course.

PSYX100: S&PS/H

Course offered every fall, spring, and summer semester.

PHL110: H&FA course.

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

ARTZ105 or LIT110: H&FA course. Recommended courses also offered at MSU. Any H&FA course will meet this requirement for HC.

NASX105: D & CHAI

Course offered every fall, spring, and summer semester.

PHSX222: Take PHYS 206 at Carroll