

**Academic Pathways Map**  
**Civil Engineering Transfer to MT Tech**  
**A.S. Jumpstart**  
**Engineering and Math**

**Start Here**

SEMESTER 1		CREDITS	MILESTONE	✓
M171	Calculus I	4	*	
CHMY141	College Chemistry I	4	*	
WRIT121	Introduction to Technical Writing	3		
COLS101	First Year Seminar	3		
COMX111	Introduction to Public Speaking	3		

TOTAL CREDITS 17

SEMESTER 2		CREDITS	MILESTONE	✓
M172	Calculus II	4	*	
Choose 1 of 2	LIT110, SPNS101	3 - 4		
CHMY143	College Chemistry II	4	*	
SOCI101	Introduction to Sociology	3		

TOTAL CREDITS 14 -  
15

SEMESTER 3		CREDITS	MILESTONE	✓
M115	Probability and Linear Mathematics	3		
GEO101	Introduction to Physical Geology	4	*	
PSYX100	Introduction to Psychology	3		
PHL110	Problems of Good and Evil	3		
PHSX220	Take PHYS 205 at Carroll	4		

TOTAL CREDITS 17

SEMESTER 4		CREDITS	MILESTONE	✓
STAT216	Introduction to Statistics	3		
Choose 1 of 2	ECNS201, ECNS202	3	*	
NASX105	Introduction to Native American Studies	3		
PHSX222	Take PHYS 206 at Carroll	4		

TOTAL CREDITS 13

**You are finished!**

**Pathway Advising Notes:** This is a Jumpstart Pathway. Courses taken at Helena College will transfer to Montana Technological 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 MT Tech campus only which can be taken after transfer.
- M273 Multivariable Calculus and M274 Differential can be taken at MT Tech.



**Course Advising Notes:** M171: MT Tech required course. Students not prepared for M 171 their first semester should consider taking M 151 the summer prior.

CHMY141: MT Tech required course.

WRIT121: WRIT 121 meets core writing requirement for both HC and Mt. Tech.

COMX111: Course meets both MT Tech and HC Communications Core. Course is offered every fall, spring, and summer semester.

M172: MT Tech required course.

LIT110 or SPNS101: H&FA course.

Recommended courses meet core requirements at both MT Tech and HC, but any H&FA course will meet HC requirement. Foreign language may be beneficial for some students.

CHMY143: MT Tech required course.

SOCI101: S&PS/H course.

Course offered every fall, spring, and summer semester. If students take M151 to prepare for M171 in the first sem

GEO101: MT Tech required course.

PSYX100: S&PS/H course.

Course offered every fall, spring, and summer semester.

PHL110: H&FA course.

PHL110 strongly encouraged and part of MT Tech core, but any H&FA course will meet this requirement for HC. PHL110 offered every fall, spring, and summer semester.

PHSX220: Take PHYS 205 at Carroll

ECNS201 or ECNS202: ECNS202 in Spring, ECNS201 in Fall.

S&PS/H course.

MT Tech required course-either course will meet requirement. Course offered on rotation every fall, spring, and summer semester.

NASX105: D & CHAI.

Course offered every fall, spring, and summer semester.

PHSX222: Take PHYS 206 at Carroll