

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		
PHL110	PROBLEMS OF GOOD AND EVIL	3		
COMX111	INTRODUCTION TO PUBLIC SPEAKING	3		

TOTAL CREDITS 17

SEMESTER 2		CREDITS	MILESTONE	✓
M172	CALCULUS II	4	*	
PHSX220	PHYSICS I (W/ CALCULUS)	4		
Choose 1 of 2	LIT110, SPNS101	3 - 4		
CHMY143	COLLEGE CHEMISTRY II	4	*	

TOTAL CREDITS 15 - 16

SEMESTER 3		CREDITS	MILESTONE	✓
M115	PROBABILITY AND LINEAR MATHEMATICS	3		
PHSX222	PHYSICS II (W/ CALCULUS)	4		
GEO101	INTRODUCTION TO PHYSICAL GEOLOGY	4	*	
PSYX100	INTRODUCTION TO PSYCHOLOGY	3		

TOTAL CREDITS 14

SEMESTER 4		CREDITS	MILESTONE	✓
STAT216	INTRODUCTION TO STATISTICS	3		
Choose 1 of 2	ECNS201, ECNS202	3	*	
NASX105	INTRODUCTION TO NATIVE AMERICAN STUDIES	3		
SOCI101	INTRODUCTION TO SOCIOLOGY	3		
SPNS101	ELEMENTARY SPANISH	4		

TOTAL CREDITS 16

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.

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.

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.

GEO101: MT Tech required course.

PSYX100: S&PS/H course.

Course offered every fall, spring, and summer semester.

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.

SOCI101: S&PS/H course.

Course offered every fall, spring, and summer semester. If students take M151 to prepare for M171 in the first semester, this course is not needed - student may have earned 60 credits needed for degree.