

Jumpstart Pathway

Civil Engineering Transfer to Montana Technological University

Associate of Science

Academic & Career Pathway: Science, Technology, Engineering and Math

Student:

Advisor:

Course/Semester (Prefix, Number and Title)	Credits	Fall/Spring Only	Milestone Course	Notes	Completed
Semester 1					
M 171 - Calculus I	4		*	MT Tech required course Students not prepared for M 171 their first semester should consider taking M 151 the summer prior.	
CHMY 141 – College Chemistry I	4	Fall	*	Mt Tech required course	
WRIT 101 – College Writing I	3			WRIT 101 is the only writing options for students at HC because of the HC Gen Ed core requirements. Second writing course should be taken at Tech after transfer.	
PHL 110 – Introduction to Ethics	3			H&FA course PHL 110 strongly encouraged and part of Mt. Tech core, but any H&FA course will meet this requirement for HC. PHL 110 offered every fall, spring, and summer semester.	
COMX 111 – Introduction to Public Speaking	3			Course meets both Mt Tech and HC Communications Core. Course is offered every fall, spring, and summer semester.	
Total	17				
Semester 2					
M 172 – Calculus II	4	Spring	*	Mt Tech required course	
PHSX 220 – Physics I (w/ Calculus)	4	Spring			
LIT 110 Intro to Literature, or SPNS 101 Elementary Spanish I	3-4			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.	
CHMY 143 – College Chemistry II	4	Spring	*	Mt Tech required course	
Total	15-16				
Semester 3					
M 273 – Multivariable Calculus	4	Fall	*	Mt Tech required course	

PHSX 222 – Physics II (w/ Calculus)	4	Fall			
GEO 101 – Introduction to Physical Geology	4		*	Mt Tech required course	
PSYX 100 – Introduction to Psychology	3			S&PS/H course Course offered every fall, spring, and summer semester.	
Total	15				
Semester 4					
M 274 – Differential Equations	4	Spring	*	Mt Tech required course	
ECNS 202 – Principles of Macroeconomics or ECNS 201 – Principles of Microeconomics	3	ECNS 202 in Spring, ECNS 201 in Fall	*	S&PS/H course Mt Tech required course—either course will meet requirement. Courses offered on rotation every fall, spring, and summer semester.	
NASX 105 – Introduction to Native American Studies	3			D & CHAI Course offered every fall, spring, and summer semester.	
SOCI 101 – Introduction to Sociology	3			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.	
Total	13				

****Students must earn a C- or better in order to successfully complete a course***

MT Tech Civil Engineering degree requirements

https://catalog.mtech.edu/preview_program.php?catoid=12&poid=2253&returnto=1250

Mt Tech General Education core requirements <https://catalog.mtech.edu/index.php>

60-61 credits to degree

Students that complete the Helena College General Education Core will earn a Certificate of General Studies.

Certificate of General Studies		
Category	Credits	Complete
Natural Science with Lab		
Natural Science		
Mathematics		
Written Communication		
Oral Communication		
Social & Psychological Sciences/History		
Social & Psychological Sciences/History		
Humanities/Fine Arts		
Humanities/Fine Arts		
Cultural Diversity		
Total Credits (30-32)		