

Jumpstart Pathway

Electrical 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 option for students at HC because of the HC Gen Ed core requirements. Second writing course should be taken at Mt Tech after transfer.	
COMX 111 – Introduction to Public Speaking	3			Course meets core requirements at both Mt Tech and HC. Course is offered every fall, spring, and summer semester.	
Total	14				
Semester 2					
M 172 – Calculus II	4	Spring	*	Mt Tech required course	
PHSX 220 – Physics I (w/ Calculus)	4	Spring			
SPNS 101 Elementary Spanish I	4			H&FA course Recommended course meet core requirements at both Mt Tech and HC and 4-credit course is needed to meet credit requirement for AS degree. If a 3-credit course is taken, student may not have enough credits earned for degree.	
CHMY 143 – College Chemistry II	4	Spring			
Total	16				
Semester 3					
M 273 – Multivariable Calculus	4	Fall	*	Mt Tech required course	
PHSX 222 – Physics II (w/ Calculus)	4	Fall			
NASX 105 – Introduction to Native American Studies	3			D & CHAI Course offered every fall, spring, and summer semester.	

PSYX 100 – Introduction to Psychology	3			S&PS/H course Recommended course meets core electives at both Mt Tech and HC. Course offered every fall, spring, and summer semester.	
LIT 110 Intro to Literature, LIT 211 American Literature I, PHL 110 Intro to Ethics, or SPNS 102 Elementary Spanish II	3-4			H&FA course Recommended courses meet core requirements at both Mt Tech and HC. Any H&FA course offered at HC will meet HC core requirements.	
Total	17-18				
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	*	Mt Tech required course S&PS/H course Either course will meet Mt. Tech requirement. Courses offered on rotation every fall, spring, and summer semester.	
CSCI 100 – Intro to Programming	3			Programming courses required at Mt Tech. This course will help prepare students for future courses.	
SOCI 101 – Introduction to Sociology	3			Course may not be needed if student took M151 prior to taking M171 in semester 1. If M151 was taken, students will have earned enough credits for AS degree without this course.	
Total	13				

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

Mt Tech Electrical Engineering degree requirements

https://catalog.mtech.edu/preview_program.php?catoid=12&poid=2233&returnto=1250

Mt Tech General Education core https://catalog.mtech.edu/preview_program.php?catoid=12&poid=2227

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)		