



# Academic Pathways Map

## Electrical Engineering Transfer to MSU Part Time

### A.S. Jumpstart Engineering and Math

#### Start Here

SEMESTER 1		CREDITS	MILESTONE	✓
M171	Calculus I	4	*	
CHMY141	College Chemistry I	4	*	
COLS101	First Year Seminar	3		

TOTAL CREDITS 11

SEMESTER 2		CREDITS	MILESTONE	✓
M172	Calculus II	4	*	
CHMY143	College Chemistry II	4		
WRIT101	College Writing I	3	*	

TOTAL CREDITS 11

SEMESTER 3		CREDITS	MILESTONE	✓
Choose 1 of 2	BIOB160, BIOH201	4		
Choose 1 of 3	PSCI210, PSYX100, SOCI101	3		
PHSX220	Physics I (w/ Calculus)	4		

TOTAL CREDITS 11

SEMESTER 4		CREDITS	MILESTONE	✓
PHSX222	Physics I(w/ Calculus)	4	*	
Choose 1 of 2	ARTZ105, LIT110	3		
COMX111	Introduction to Public Speaking	3	*	

TOTAL CREDITS 10

SEMESTER 5		CREDITS	MILESTONE	✓
CSCI100	Introduction to Programming	3		
Choose 1 of 3	PSCI210, PSYX100, SOCI101	3		
PHL110	Problems of Good and Evil	3		

TOTAL CREDITS 9

Academic Year 2025 - 2026

SEMESTER 6		CREDITS	MILESTONE	✓
STAT216	Introduction to Statistics	3		
SPNS101	Elementary Spanish	4		
NASX105	Introduction to Native American Studies	3		

TOTAL CREDITS 10

**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 Electrical 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.
- Some courses may be offered in the Summer.

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

CHMY141: MSU required course

M172: MSU required course

CHMY143: Professional Elective course option for MSU, required by degree

WRIT101: Second writing course will be taken after transfer at MSU

BIOB160 or BIOH201: Professional Elective course options for MSU, required by degree.

Choose 1 of PSCI210, PSYX100, SOCI101: S&PS/H course

Recommended courses meet MSU and HC core requirements. Any HC S&PS/H course will meet HC requirement. All three courses offered every fall, spring, and summer semester.

PHSX220: Take PHYS 205 at Carroll

PHSX222: MSU required course. Take PHYS 206 at Carroll

ARTZ105 or LIT110: H&FA course

Recommended courses also meet MSU core requirements. Any H&FA course will meet the HC requirement

CSCI100: Required by MSU.

1 of PSCI210, PSYX100, SOCI101: S&PS/H course

PHL110: H&FA course

PHL 110 highly encouraged and meets core requirements at MSU. Any HC H&FA course will meet the HC requirement.

PHL 110 offered every fall, spring, and summer semester

NASX105: CHAI and Diversity.