



# Academic Pathways Map

## Civil Engineering Transfer to Carroll College

### A.S. Jumpstart Engineering and Math

#### Start Here

SEMESTER 1		CREDITS	MILESTONE	✓
M171	Calculus I	4		
CHMY121	Introduction to General Chemistry	4	*	
WRIT101	College Writing I	3		
COLS101	First Year Seminar	3		
TOTAL CREDITS		14		

SEMESTER 2		CREDITS	MILESTONE	✓
M172	Calculus II	4		
WRIT201	College Writing II	3		
Choose 1 of 2	COMX111, COMX115	3		
BGEN220	Business Ethics and Social Responsibility	3	*	
SOCI101	Introduction to Sociology	3		
TOTAL CREDITS		16		

SEMESTER 3		CREDITS	MILESTONE	✓
PHSX220	Physics I (w/Calculus)	4	*	
Choose 1 of 3	HSTA101, HSTA102, HSTA255	3		
PSYX100	Introduction to Psychology	3		
SPNS101	Elementary Spanish	4		
BIOB160	Principles of Living Systems	4		
TOTAL CREDITS		18		

SEMESTER 4		CREDITS	MILESTONE	✓
ENSC105	Environmental Science	3		
LIT110	Introduction to Literature	3		
NASX105	Introduction to Native American Studies	3		
PHSX222	Physics II (w/Calculus)	4		
STAT216	Introduction to Statistics	3		
TOTAL CREDITS		16		

**You are finished!**



**Pathway Advising Notes:** This is a Jumpstart Pathway. Courses taken at Helena College will transfer to Carroll College and will satisfy some of the coursework required in the first two years of the Civil Engineering Broadfield degree.

- There are some courses that are offered on the Carroll College campus only which can be taken after transfer.
- M273 Multivariable Calculus and M274 Differential can be taken at Carroll College as MA 233 and MA 334
- To earn a Bachelor of Science degree with a major in civil engineering, a student must earn a grade of "C-" or better in all of the courses listed under "Major Program Requirements," the appropriate "Emphasis Requirements," and "Other Program Requirements."

**Course Advising Notes:** M171: Students not prepared for M 171 their first semester should consider taking M 151 the summer prior. See note about math.

CHMY121: CH 111. Carroll required course.

WRIT201: If a student takes additional math requirements to prepare for M 171 in semester 1 (M121, M151) students may not need to take this course. Check total credits earned towards degree to make sure that students earns required 60 credits needed. See note about math. This is a good course option for students on this pathway.

COMX111 or COMX115: Either course will meet Carroll's CO 101 requirement for Oral Communications. Both courses offered every fall, spring, and summer semester.

BGEN220: H&FA. Need instructor approval for BGEN 220. BGEN 220 is PHIL 207 at Carroll, which is required for this degree.

PHSX220: Take PHYS 205 at Carroll

1 of HSTA101, HSTA102, HSTA255: S&PS/H. All three meet Carroll course requirements. Can be taken any semester.

PSYX100: S&PS/H. Can be taken any semester.

BIOB160: Need to make sure Carroll will take this for their BI123/132.

ENSC105: If a student takes additional math requirements to prepare for M 171 in semester 1 (M121, M151) students may not need to take this course. Check total credits earned towards degree to make sure that student earns required 60 credits needed. See note about math. This is a good course option for students on this pathway.

LIT110: H&FA course. Any LIT course will meet this requirement. All LIT courses transfer into Carroll as ENLT 215 Intro to Literature.

NASX105: D & CHAI. Course offered every fall, spring, and summer semester.

PHSX222: Take PHYS 206 at Carroll