

**Academic Pathways Map**  
**Civil Engineering Transfer to Carroll College Part Time**  
**A.S. Jumpstart**  
**Engineering and Math**

**Start Here**

<b>SEMESTER 1</b>		<b>CREDITS</b>	<b>MILESTONE</b>	<b>✓</b>
M171	CALCULUS I	4		
BIOB160	PRINCIPLES OF LIVING SYSTEMS	4		
WRIT101	COLLEGE WRITING I	3		

TOTAL CREDITS 11

<b>SEMESTER 2</b>		<b>CREDITS</b>	<b>MILESTONE</b>	<b>✓</b>
M172	CALCULUS II	4		
PHSX220	PHYSICS I (W/ CALCULUS)	4	*	

TOTAL CREDITS 8

<b>SEMESTER 3</b>		<b>CREDITS</b>	<b>MILESTONE</b>	<b>✓</b>
CHMY121	INTRODUCTION TO GENERAL CHEMISTRY	4	*	
WRIT201	COLLEGE WRITING II	3		

TOTAL CREDITS 7

<b>SEMESTER 4</b>		<b>CREDITS</b>	<b>MILESTONE</b>	<b>✓</b>
Choose 1 of 2	COMX111, COMX115	3		
BGEN220	BUSINESS ETHICS AND SOCIAL RESPONSIBILITY	3	*	

TOTAL CREDITS 6

<b>SEMESTER 5</b>		<b>CREDITS</b>	<b>MILESTONE</b>	<b>✓</b>
PHSX222	PHYSICS II (W/ CALCULUS)	4	*	
Choose 1 of 3	HSTA101, HSTA102, HSTA255	3		

TOTAL CREDITS 7

<b>SEMESTER 6</b>		<b>CREDITS</b>	<b>MILESTONE</b>	<b>✓</b>
PSYX100	INTRODUCTION TO PSYCHOLOGY	3		
ENSC105	ENVIRONMENTAL SCIENCE	3		

TOTAL CREDITS 6

<b>SEMESTER 7</b>		<b>CREDITS</b>	<b>MILESTONE</b>	<b>✓</b>
LIT110	INTRODUCTION TO LITERATURE	3		
NASX105	INTRODUCTION TO NATIVE AMERICAN STUDIES	3		
SOCI101	INTRODUCTION TO SOCIOLOGY	3		

SEMESTER 8		CREDITS	MILESTONE	✓
SPNS101	ELEMENTARY SPANISH	4		
STAT216	INTRODUCTION TO STATISTICS	3		

**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.

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

PHSX220: PHYS 205. Carroll required course

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 student 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.

PHSX222: PHYS 206. Carroll required course

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

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