

Pre-Civil Engineering

This is a pre-professional program for application to the Institute of Technology, UM Twin Cities. Civil engineers work in federal state, and municipal agencies as well as private consulting firms. Whether the setting is a complex urban area or a developing population center, civil engineers serve as planners, designers, and supervisor of transportation systems, pollution control facilities, water resources projects, private and public utilities enterprises, and other public works.

Typical Program of Study:

Fall Semester

First Year

Math 1296 Calculus I*	5 cr
Chem 1151 General Chemistry I	5 cr
Comp 1120 College Writing	3 cr
Liberal education course**	<u>3 cr</u>
	16 cr

Spring Semester

Math 1297 Calculus II	5 cr
Chem 1152 General Chemistry II	5 cr
Phys 2011 General Physics I	4 cr
Liberal education course**	<u>3 cr</u>
	17 cr

Second Year

Engr 2015 Statics	3 cr
Math 3280 Diff Equations/Linear Algebra	4 cr
Phys 2012 General Physics II	4 cr
Stat 3611 Probability & Statistics	4 cr
Liberal education course**	<u>3 cr</u>
	18 cr

Engr 2016 Mechanics of Materials	3 cr
Engr 2026 Dynamics	3 cr
Math 3298 Calculus III	5 cr
Liberal education course**	<u>5 cr</u>
	16 cr

*First math course is determined by math placement exam. This schedule presupposes placement into Math 1296.

** Note: A biology course with lab is required to fulfill the UM Twin Cities liberal education program. Either Biol 1011 General Biology I (5 cr) or Biol 1001 Biology and Society (4 cr) will satisfy this requirement.

For additional information about
Pre-Civil Engineering, contact:

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For additional information about
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