

# Civil Engineering Curriculum Map

Students should use this curriculum map as a guide to have a more informed discussion with the departmental academic advisor when selecting courses.  
Students not taking courses as advised may result in a delayed graduation date.

First Year		Second Year		Third Year		Fourth Year	
16-17 hrs	17-18 hrs	17 hrs	17 hrs	16 hrs	16 hrs	15 hrs	13hrs
CEE 190 (4)	CS 101 (3)	CEE 201 (3)	CEE 202 (3)	TAM 335 (4)	CEE 300 (4) <sup>4</sup>	CEE 495 (0)	Adv. Tech Elect (3) <sup>9</sup>
ENG 100 (1) <sup>1</sup>	PHYS 211 (4)	PHYS 212 (4)	PHYS 213 (2)	CE Core Course (3) <sup>7</sup>	MATH 285 (3)	Adv. Tech Elect (3) <sup>9</sup>	Adv. Tech Elect (3) <sup>9</sup>
MATH 221 (4) <sup>2</sup>	MATH 231 (3)	MATH 241 (4)	TAM 212 (3)	CE Core Course (3) <sup>7</sup>	CE Core Course (3) <sup>7</sup>	Adv. Tech Elect (3) <sup>9</sup>	Adv. Tech Elect (3) <sup>9</sup>
CHEM 102 (3)	CHEM 104 (3)	TAM 211 (3)	TAM 251 (3)	Science Elect (3) <sup>8</sup>	CE Core Course (3) <sup>7</sup>	Adv. Tech Elect (3) <sup>9</sup>	Free Elect (4) <sup>6</sup>
CHEM 103 (1)	CHEM 105 (1)	MATH 257 (3) <sup>5</sup>	ECON 102 or ECON 103 (3) <sup>5</sup>	Gen Ed Elect (3) <sup>5</sup>	Gen Ed Elect (3) <sup>5</sup>	Gen Ed Elect (3) <sup>5</sup>	
RHET 105 (4) <sup>3,4</sup>	SE 101 (3) <sup>3</sup>		Free Elect (3) <sup>6</sup>			Free Elect (3) <sup>6</sup>	

<sup>1</sup> External transfer students take ENG 300.

<sup>2</sup> MATH 220 may be substituted. MATH 220 is appropriate for students with no background in calculus. 4 of 5 credit hours count towards degree.

<sup>3</sup> RHET 105 (or an alternative Composition I sequence) is taken either in the first or second semester of the first year, according to the student's UIN (Spring if UIN is Odd). SE 101 is taken the other semester. Composition I guidelines can be found at <http://catalog.illinois.edu/general-information/degree-general-education-requirements/> under Written Communication Requirement.

<sup>4</sup> General Education: Students must complete the Campus General Education requirements including the Campus General Education language requirement (<https://courses.illinois.edu/gened/DEFAULT/DEFAULT>). One of the SBS courses must be an introductory economics course (ECON 102 or ECON 103). CEE 300 will satisfy a Civil Engineering core course requirement and the Campus General Education Advanced Composition Requirement.

<sup>5</sup> MATH 225 or MATH 415 may be substituted.

<sup>6</sup> Additional coursework, subject to the Grainger College of Engineering restrictions to Free Electives, so that there are at least 128 credit hours earned toward the degree ([go.grainger.illinois.edu/FreeElectives](http://go.grainger.illinois.edu/FreeElectives)).

<sup>7</sup> Civil Engineering Core Courses. After selecting their Primary Field, students must take 15 - 16 hours of 300 level Civil Engineering Core Courses from departmentally approved list (<http://catalog.illinois.edu/undergraduate/engineering/civil-engineering-bs/#degreerequirementstext>).

<sup>8</sup> Science elective selected in accord with recommendations for chosen primary field of emphasis. (<http://catalog.illinois.edu/undergraduate/engineering/civil-engineering-bs/#degreerequirementstext>).

<sup>9</sup> Civil Engineering Advanced Technical Electives, six courses (min 18 hours) students select four, 400 level courses from chosen primary, and two, 400 level courses from chosen secondary (<http://catalog.illinois.edu/undergraduate/engineering/civil-engineering-bs/#degreerequirementstext>).