

# CIVIL ENGINEERING TECHNOLOGY - AAS (5309)

Division: Mathematics, Engineering Technologies and Computer Sciences (METCS) Division

This program is accredited by the Engineering Technology Accreditation Commission of ABET, <https://www.abet.org>.

The Program Educational Objectives (PEOs) and Program Learning Outcomes (PLOs) can be found here (<https://catalog.essex.edu/overview-academic-divisions/division-mathematics-engineering-technologies-computer-science/>).

Code	Title	Credits
<b>General Education Requirements (22 Credits)</b>		
<i>Written &amp; Oral Communication (9)</i>		
ENG 101	College Composition I	3
ENG 102	College Composition II	3
ENG 105	Technical Writing	3
<i>Quantitative/Scientific Knowledge, Skills &amp; Reasoning (10)</i>		
MTH 114	Unified Calculus I	3
MTH 213	Unified Calculus II	3
PHY 101	College Physics I	4
<i>Society &amp; Human Behavior (3)</i>		
Select One of the Following:		3
ANT 101, ANT 105, ECO 101, ECO 102, POL 104, PSY 101, PSY 102, PSY 219, SOC 101, SOC 108, SOC 219		
<b>Major Requirements (33 Credits)</b>		
CET 111	Construction Method & Materials	3
CET 211	Surveying	4
CET 221	Hydraulics and Drainage	3
CET 225	Soil Mechanics	3
CET 231	Structures	3
ELC 115	Electric Circuits I	3
ENR 100	Fund. of Engineering Design	2
ENR 103	Engr. Graphics & Intro. to CAD	2
ENR 105	Applied Computer Aided Design	2
ENR 110	Statics for Technology	3
ENR 220	Mechanics of Materials	3
CET 251	CET Seminar	2
<b>Additional Course Requirements (7 Credits)</b>		
CSC 106	Roadmap to Computing Engineers	3
PHY 102	College Physics II	4
<b>Total Credits</b>		<b>62</b>

- If you do not place into MTH 114 Unified Calculus I the prerequisites are MTH 100 Intro. to College Mathematics and MTH 113 College Algebra with Trig. Math Placement is determined by the Mathematics Department. These courses should be taken in high school or the summer before your first semester at ECC.

## Notes:

1. For an explanation of why General Education courses are included in this Program, please refer to the Section on General Education for an explanation of its Purpose and Requirements.
2. This plan assumes the student is eligible to enroll in College Level Courses (designated as 100 +, e.g., ENG 101 College Composition I, HST 101 World Civilization I, MTH 100 Intro. to College Mathematics). Placement results will determine College Level Readiness in English and Mathematics.