

 	<b>CAREER ENHANCEMENT CERTIFICATE</b> <b>CIVIL ENGINEERING TECHNOLOGY –</b> <b>Transportation Construction Inspection Level II</b> <i>The catalog in force is assigned to students based on the academic year they first applied to the college, and changes only when students change their major or request the change in writing. Refer to Policy No. 3357:15-13-28.</i>	<b>2025-26 Catalog</b> Effective Summer 2025
		<b>4212</b>

Business, Engineering, and Information Technologies Division

Engineering Technology Department

Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
CET122 or DET125	Architectural Drafting I or Basic AutoCAD	3 or 3		
CET125	Soil Mechanics	3	(MTH125 or MTH135) and MET124	
CET227	Surveying I	3	MTH125 or MTH135	
CET228	Surveying II	3	CET227	
CET232	Land Planning and Design	3	Pre-Co-CET227 and (CET122 or CET124 or DET125)	
MET124	Statics and Strength of Materials	4	Pre-Co-PHY121 or Pre-Co-PHY221	
MTH135	Precalculus <sup>^</sup> – A student may take MTH125 (College Algebra) and MTH130 (Trigonometry) over two semesters to satisfy this requirement.	5	MTH025 or Proficiency	
PHY121	College Physics I with Algebra (lab)	4	MTH135 or (MTH125 and MTH130) or Proficiency	
<b>TOTAL CREDIT HOURS</b>		<b>28</b>		

### STUDENT ADVISING NOTES

#### Academic Advising

Students should make an appointment to see their advisor before registering for classes each semester. They should have prepared a completed registration form, including courses they wish to take, prior to this meeting.

#### First Semester

		<u>Credit Hours</u>	<u>Pre- and Co-requisites</u>
CET122 or DET125	Architectural Drafting I or Basic AutoCAD	3 or 3	
MTH135	Precalculus <sup>^</sup> – A student may take MTH125 (College Algebra) and MTH130 (Trigonometry) over two semesters to satisfy this requirement.	5	MTH025 or Proficiency
		<b>8</b>	

#### Second Semester

CET227	Surveying I	3	MTH125 or MTH135
MET124	Statics and Strength of Materials	4	Pre-Co-PHY121 or Pre-Co-PHY221
PHY121	College Physics I with Algebra (lab)	4	MTH135 or (MTH125 and MTH130) or Proficiency
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#### Third Semester

CET125	Soil Mechanics	3	(MTH125 or MTH135) and MET124
CET228	Surveying II	3	CET227
CET232	Land Planning and Design	3	Pre-Co-CET227 and (CET122 or CET124 or DET125)
		<b>9</b>	
<b>TOTAL CREDITS</b>		<b>28</b>	

<sup>^</sup>Based on SSC placement scores

*The classes in this certificate also apply toward the completion of a Civil Engineering Technology Degree (4200).*