

 	CAREER ENHANCEMENT CERTIFICATE CIVIL ENGINEERING TECHNOLOGY – CONSTRUCTION MATERIALS INSPECTION	2024-25 Catalog Effective Summer 2024
	<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>	

4209

Business, Engineering, and Information Technologies Division

Engineering Technology Department

Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
CET121	Building Materials and Construction Methods	3		
CET125	Soil Mechanics	3	(MTH125 or MTH135) and MET124	
CET222	Concrete and Asphalt Testing	3	(MTH125 or MTH135) and CET121	
MET124	Statics and Strength of Materials	4	Pre-Co-PHY121 or Pre-Co-PHY221	
MTH135	Precalculus [^] – <i>A student may take MTH125 (College Algebra) and MTH130 (Trigonometry) over two semesters to satisfy this requirement.</i>	5	MTH025 or Proficiency	
PHY121	College Physics I with Algebra (lab)	4	MTH135 or (MTH125 and MTH130) or Proficiency	
TOTAL CREDIT HOURS		22		

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.

<u>First Semester</u>		<u>Credit Hours</u>	<u>Pre- and Co-requisites</u>
CET121	Building Materials and Construction Methods	3	
MTH135	Precalculus [^] – <i>A student may take MTH125 (College Algebra) and MTH130 (Trigonometry) over two semesters to satisfy this requirement.</i>	5	MTH025 or Proficiency
		8	
<u>Second Semester</u>			
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
		8	
<u>Third Semester</u>			
CET125	Soil Mechanics	3	(MTH125 or MTH135) and MET124
CET222	Concrete and Asphalt Testing	3	MTH125 or MTH135) and CET121
		6	
TOTAL CREDITS		22	

[^]Based on SSC placement scores

The classes in this certificate also apply toward the completion of a Civil Engineering Technology Degree (4200), and a Civil Engineering Technology – Construction Management Major (4204).