



ASSOCIATE OF APPLIED SCIENCE

**CIVIL ENGINEERING TECHNOLOGY –  
CONSTRUCTION MANAGEMENT MAJOR**

*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.*

2024-25 Catalog

Effective Summer 2024

**4204**

Business, Engineering, and Information Technologies Division

Engineering Technology Department

TECHNICAL Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
CET125 or CET222	Soil Mechanics or Concrete and Asphalt Testing	3 or 3	(MTH125 or MTH135) and MET124 (MTH125 or MTH135) and CET121	
CET223	Structural Design I	3	Pre-Co-MET124	
CET225	Sustainable Building Service Systems	3	CET121	
CET226	Estimating	3	(MTH025 or Proficiency) and CET121 and (ITD100 or Proficiency) and (CET122 or DET125 or CET237)	
CET227	Surveying I	3	MTH125 or MTH135	
CET232	Land Planning and Design	3	Pre-Co-CET227 and (CET122 or CET124 or DET125)	
CET235	Construction Management, Job Cost and Safety	3	CET121 and (ITD100 or Proficiency)	
CET236	Global Positioning Systems	3	CET227	
CET237	Interpreting Construction Documents	3		
CET239	Building Code Applications	3	CET121 and (CET237 or CET122)	
<b>Total</b>		<b>30</b>		
NON-TECH Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
SSC101	Student Success Seminar^^	1	Take first semester	
CET121	Building Materials and Construction Methods	3		
DET125	Basic AutoCAD	3		
ENG124	College Composition^	3	Co-ENG024 or Co-ENG011 or Proficiency	
ENG221	Technical Report Writing	3	ENG124	
ITD122	Computer Applications for Professionals^	3	ITD100 or Proficiency	
MET124	Statics and Strength of Materials	4	Pre-Co-PHY121 or Pre-Co-PHY221	
MTH135	Precalculus^ – 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	
	Select one (1) Arts & Humanities Elective from the list below. <sup>1</sup>	3	Check for prerequisites	
<b>Total</b>		<b>32</b>		
<b>TOTAL CREDIT HOURS</b>		<b>62</b>		

See back page for footnotes

**Students completing this degree may be eligible to also receive a Civil Engineering Technology – Construction Technician Certificate (4210), a Civil Engineering Technology – Construction Materials Inspection Career Enhancement Certificate (4209), a Civil Engineering Technology – Transportation Construction Inspection Level I (4211), and a Civil Engineering Technology – Civil/Surveying Draft Career Enhancement Certificate (4208).**

## FULL-TIME 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.

### Course Sequence

The semester-by-semester listing below provides the normal scheduling option for full-time associate degree students who plan to finish in two years.

<u>First Semester</u>		<u>Credit Hours</u>	<u>Pre- or Co-requisites</u>
SSC101	Student Success Seminar^^	1	<i>Take first semester</i>
MTH135	Precalculus^ – <i>A student may take MTH125 (College Algebra) and MTH130 (Trigonometry) over two semesters to satisfy this requirement.</i>	5	MTH025 <b>or</b> Proficiency
CET121	Building Materials and Construction Methods	3	
CET237	Interpreting Construction Documents	3	
DET125	Basic AutoCAD	3	
ITD122	Computer Applications for Professionals^	<u>3</u>	ITD100 <b>or</b> Proficiency
		<b>18</b>	
<u>Second Semester</u>			
ENG124	College Composition^	3	Co-ENG024 <b>or</b> Co-ENG011 <b>or</b> Proficiency
MET124	Statics and Strength of Materials	4	Pre-Co-PHY121 <b>or</b> Pre-Co-PHY221
CET227	Surveying I	3	MTH125 <b>or</b> MTH135
PHY121	College Physics I with Algebra (lab)	<u>4</u>	MTH135 <b>or</b> (MTH125 and MTH130) <b>or</b> Proficiency
		<b>14</b>	
<u>Third Semester</u>			
CET125	Soil Mechanics	3	(MTH125 or MTH135) <b>and</b> MET124
<b>or</b>	<b>or</b>	<b>or</b>	
CET222	Concrete and Asphalt Testing	3	(MTH125 or MTH135) <b>and</b> CET121
CET223	Structural Design I	3	Pre-Co-MET124
CET225	Sustainable Building Service Systems	3	CET121
CET232	Land Planning and Design	3	Pre-Co-CET227 <b>and</b> (CET122 or CET124 or DET125)
CET235	Construction Management, Job Cost and Safety	<u>3</u>	CET121 <b>and</b> (ITD100 or Proficiency)
		<b>15</b>	
<u>Fourth Semester</u>			
ENG221	Technical Report Writing	3	ENG124
	<i>Arts &amp; Humanities Elective<sup>1</sup></i>	3	<i>Check for prerequisites</i>
CET239	Building Code Applications	3	CET121 <b>and</b> (CET237 or CET122)
CET226	Estimating	3	(MTH025 or Proficiency) <b>and</b> CET121 <b>and</b> (ITD100 or Proficiency) <b>and</b> (CET122 or DET125 or CET237)
CET236	Global Positioning Systems	<u>3</u>	CET227
		<b>15</b>	
	<b>TOTAL CREDITS</b>	<b>62</b>	

^Based on SSC placement scores

^^To promote student success, this course should be taken in the first semester

<sup>1</sup>Arts & Humanities Electives: ENG233, ENG234, ENG236, ENG237, HIS121, HIS122, PHL122