



ASSOCIATE OF APPLIED SCIENCE

**CIVIL ENGINEERING TECHNOLOGY**

*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.*

2021 Catalog

Effective Summer 2020

**4200**

Engineering Technologies Division

Engineering Technology Department

TECHNICAL Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
CET122	Architectural Drafting I	3		
CET125	Soil Mechanics	3	(MTH125 or MTH135) and MET124	
CET222	Concrete and Asphalt Testing	3	(MTH125 or MTH135) and CET121	
CET223	Structural Design I	3	Pre-Co-MET124	
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	
CET228	Surveying II	3	CET227	
CET232	Land Planning and Design	3	Pre-Co-CET227 and (CET122 or CET124 or DET125)	
CET234	Architectural CAD (REVIT 3D – BIM)	3	CET121 and CET122	
CET236	Global Positioning Systems	3	CET227	
<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 list below. <sup>1</sup>	3	Check for prerequisites	
<b>Total</b>		<b>32</b>		
<b>TOTAL CREDIT HOURS</b>		<b>62</b>		

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

<sup>^^</sup>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

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- and Co-requisites</u>
SSC101	Student Success Seminar^^	1	<i>Take first semester</i>
ENG124	College Composition^	3	Co-ENG024 <b>or</b> Co-ENG011 <b>or</b> Proficiency
CET121	Building Materials and Construction Methods	3	
CET122	Architectural Drafting I	3	
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
ITD122	Computer Applications for Professionals^	<u>3</u>	ITD100 <b>or</b> Proficiency
		<b>18</b>	
<u>Second Semester</u>			
MET124	Statics and Strength of Materials	4	Pre-Co-PHY121 <b>or</b> Pre-Co-PHY221
DET125	Basic AutoCAD	3	
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
ENG221	Technical Report Writing	3	ENG124
CET223	Structural Design I	3	Pre-Co-MET124
CET222	Concrete and Asphalt Testing	3	(MTH125 or MTH135) <b>and</b> CET121
CET232	Land Planning and Design	<u>3</u>	Pre-Co-CET227 <b>and</b> (CET122 or CET124 or DET125)
		<b>15</b>	
<u>Fourth Semester</u>			
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	3	CET227
CET228	Surveying II	3	CET227
CET234	Architectural CAD (REVIT 3D – BIM)	3	CET121 <b>and</b> CET122
<i>Arts &amp; Humanities Elective<sup>1</sup></i>		<u>3</u>	<i>Check for prerequisites</i>
		<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