



**ASSOCIATE OF APPLIED SCIENCE**  
**CIVIL ENGINEERING TECHNOLOGY –**  
**ARCHITECTURAL 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

**4201**

*Business, Engineering, and Information Technologies Division*

*Engineering Technology Department*

<b>TECHNICAL Course Number</b>	<b>Course Title</b>	<b>Credits</b>	<b>Pre- and Co-Requisites</b>	<b>Completed Sem./Year</b>
CET122	Architectural Drafting I	3		
CET123	Architectural Drafting II	3	CET121 <b>and</b> CET122	
CET223	Structural Design I	3	Pre-Co-MET124	
CET225	Sustainable Building Service Systems	3	CET121	
CET226	Estimating	3	(MTH025 or Proficiency) <b>and</b> CET121 <b>and</b> (ITD100 or Proficiency) <b>and</b> (CET122 or DET125 or CET237)	
CET227	Surveying I	3	MTH125 <b>or</b> MTH135	
CET232	Land Planning and Design	3	Pre-Co-CET227 <b>and</b> (CET122 or CET124 or DET125)	
CET233	Architectural Design	3	CET122 <b>and</b> Pre-Co-CET123	
CET234	Architectural CAD (REVIT 3D – BIM)	3	CET121 <b>and</b> CET122	
CET235	Construction Management, Job Cost and Safety	3	CET121 <b>and</b> (ITD100 or Proficiency)	
<b>Total</b>		<b>30</b>		
<b>NON-TECH Course Number</b>	<b>Course Title</b>	<b>Credits</b>	<b>Pre- and Co-Requisites</b>	<b>Completed Sem./Year</b>
SSC101	Student Success Seminar <sup>^^</sup>	1	<i>Take first semester</i>	
CET121	Building Materials and Construction Methods	3		
DET125	Basic AutoCAD	3		
ITD122	Computer Applications for Professionals <sup>^</sup>	3	ITD100 <b>or</b> Proficiency	
MET124	Statics and Strength of Materials	4	Pre-Co-PHY121 <b>or</b> Pre-Co-PHY221	
MTH135	Precalculus <sup>^</sup> – <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	
PHY121	College Physics I with Algebra (lab)	4	MTH135 <b>or</b> (MTH125 and MTH130) <b>or</b> Proficiency	
ENG124	College Composition <sup>^</sup>	3	Co-ENG024 <b>or</b> Co-ENG011 <b>or</b> Proficiency	
ENG221	Technical Report Writing	3	ENG124	
	<i>Select one (1) Arts &amp; Humanities Elective from the list below.<sup>1</sup></i>	3	<i>Check for prerequisites</i>	
<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 – Architectural Drafting Career Enhancement Certificate (4206).*

## PART-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 part-time associate degree students who plan to finish in eight semesters.

<u>First Semester</u>		<u>Credit Hours</u>	<u>Pre- or Co-requisites</u>
SSC101	Student Success Seminar^^	1	<i>Take first semester</i>
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>	<u>5</u>	MTH025 <b>or</b> Proficiency
		<b>9</b>	
<u>Second Semester</u>			
CET121	Building Materials and Construction Methods	3	
ENG124	College Composition^	3	Co-ENG024 <b>or</b> Co-ENG011 <b>or</b> Proficiency
ITD122	Computer Applications for Professionals^	<u>3</u>	ITD100 <b>or</b> Proficiency
		<b>9</b>	
<u>Third Semester</u>			
PHY121	College Physics I with Algebra (lab)^	4	MTH135 <b>or</b> (MTH125 and MTH130) <b>or</b> Proficiency
CET235	Construction Management, Job Cost and Safety	3	CET121 <b>and</b> (ITD100 <b>or</b> Proficiency)
CET227	Surveying I	<u>3</u>	MTH125 <b>or</b> MTH135
		<b>10</b>	
<u>Fourth Semester</u>			
MET124	Statics and Strength of Materials	4	Pre-Co-PHY121 <b>or</b> Pre-Co-PHY221
CET123	Architectural Drafting II	<u>3</u>	CET121 <b>and</b> CET122
		<b>7</b>	
<u>Fifth Semester</u>			
DET125	Basic AutoCAD	3	
CET223	Structural Design I	<u>3</u>	Pre-Co-MET124
		<b>6</b>	
<u>Sixth Semester</u>			
CET225	Sustainable Building Service Systems	3	CET121
ENG221	Technical Report Writing	<u>3</u>	ENG124
		<b>6</b>	
<u>Seventh Semester</u>			
CET232	Land Planning and Design	3	Pre-Co-CET227 <b>and</b> (CET122 <b>or</b> CET124 <b>or</b> DET125)
<i>Arts &amp; Humanities Elective<sup>1</sup></i>		<u>3</u>	<i>Check for prerequisites</i>
		<b>6</b>	
<u>Eighth Semester</u>			
CET234	Architectural CAD (REVIT 3D – BIM)	3	CET121 <b>and</b> CET122 (MTH025 <b>or</b> Proficiency) <b>and</b> CET121 <b>and</b> (ITD100 <b>or</b> Proficiency) <b>and</b> (CET122 <b>or</b> DET125 <b>or</b> CET237)
CET226	Estimating	3	
CET233	Architectural Design	<u>3</u>	CET122 <b>and</b> Pre-Co-CET123
		<b>9</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 Elective: ENG233, ENG234, ENG236, ENG237, HIS121, HIS122, PHL122