



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.

2023-24 Catalog
Effective Summer 2023

4201

Business, Engineering, and Information Technologies Division

Engineering Technology Department

TECHNICAL Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
CET122	Architectural Drafting I	3		
CET123	Architectural Drafting II	3	CET121 and CET122	
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)	
CET233	Architectural Design	3	CET122 and Pre-Co-CET123	
CET234	Architectural CAD (REVIT 3D – BIM)	3	CET121 and CET122	
CET235	Construction Management, Job Cost and Safety	3	CET121 and (ITD100 or Proficiency)	
Total		30		
NON-TECH Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
SSC101	Student Success Seminar ^{^^}	1	<i>Take first semester</i>	
CET121	Building Materials and Construction Methods	3		
DET125	Basic AutoCAD	3		
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 [^] – <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	
ENG124	College Composition [^]	3	Co-ENG024 or Co-ENG011 or Proficiency	
ENG221	Technical Report Writing	3	ENG124	
	<i>Select one (1) Arts & Humanities Elective from the list below.¹</i>	3	<i>Check for prerequisites</i>	
Total		32		
TOTAL CREDIT HOURS		62		

[^]Based on SSC placement scores

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

¹Arts & Humanities Elective: 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- or Co-requisites</u>
SSC101	Student Success Seminar^^	1	<i>Take first semester</i>
ENG124	College Composition^	3	Co-ENG024 or Co-ENG011 or 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 or Proficiency
ITD122	Computer Applications for Professionals^	<u>3</u>	ITD100 or Proficiency
		18	
<u>Second Semester</u>			
MET124	Statics and Strength of Materials	4	Pre-Co-PHY121 or Pre-Co-PHY221
CET123	Architectural Drafting II	3	CET121 and CET122
CET227	Surveying I	3	MTH125 or MTH135
PHY121	College Physics I with Algebra (lab)	<u>4</u>	MTH135 or (MTH125 and MTH130) or Proficiency
		14	
<u>Third Semester</u>			
DET125	Basic AutoCAD	3	
CET223	Structural Design I	3	Pre-Co-MET124
CET225	Sustainable Building Service Systems	3	CET121
CET232	Land Planning and Design	3	Pre-Co-CET227 and (CET122 or CET124 or DET125)
CET235	Construction Management, Job Cost and Safety	<u>3</u>	CET121 and (ITD100 or Proficiency)
		15	
<u>Fourth Semester</u>			
CET226	Estimating	3	(MTH025 or Proficiency) and CET121 and (ITD100 or Proficiency) and (CET122 or DET125 or CET237)
CET233	Architectural Design	3	CET122 and Pre-Co-CET123
CET234	Architectural CAD (REVIT 3D – BIM)	3	CET121 and CET122
ENG221	Technical Report Writing	3	ENG124
<i>Arts & Humanities Elective¹</i>		<u>3</u>	<i>Check for prerequisites</i>
		15	
	TOTAL CREDITS	62	

[^]Based on SSC placement scores

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

¹Arts & Humanities Elective: ENG233, ENG234, ENG236, ENG237, HIS121, HIS122, PHL122