



## 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. 3357:15-13-06.*

**1718 Catalog**

Effective Summer 2017

# 4204

Engineering Technologies Division

Engineering Technology Department

TECHNICAL Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
CET125 <b>or</b> CET222	Soil Mechanics <b>or</b> Concrete and Asphalt Testing	3 <b>or</b> 3	(MTH125 or MTH135) <b>and</b> MET124 (MTH125 or MTH135) <b>and</b> CET121	
CET223	Structural Design I	3	MET124	
CET225	Sustainable Building Service Systems	3	CET121 <b>and</b> MTH135	
CET226	Estimating	3	(MTH125 or MTH135) <b>and</b> CET121 <b>and</b> ITD122 <b>and</b> (CET122 or DET125 or CET237)	
CET227	Surveying I	3	MTH125 <b>or</b> MTH135	
CET232	Land Planning and Design	3	CET227 <b>and</b> (CET122 or CET124 or DET125)	
CET235	Construction Management, Job Cost and Safety	3	CET121 <b>and</b> ITD122	
CET236	Global Positioning System	3	CET227	
CET237	Interpreting Construction Documents	3		
CET239	Building Code Applications	3	CET121 <b>and</b> (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	<i>Take first semester</i>	
CET121	Building Materials and Construction Methods	3		
DET125	Basic AutoCAD	3		
ENG124	College Composition^	3	ENG011 <b>or</b> Proficiency	
ENG221	Technical Report Writing	3	ENG124	
ITD122	Computer Applications for Professionals^	3	ITD100 <b>or</b> Proficiency	
MET124	Statics and Strength of Materials	4	Pre-Co-PHY121 <b>or</b> 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	(MTH093 and MTH094) <b>or</b> Proficiency	
PHY121	College Physics I with Algebra (lab)	4	MTH135 <b>or</b> (MTH125 and MTH130) <b>or</b> Proficiency	
	<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>		

^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

**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	(MTH093 and MTH094) <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	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
<i>Arts &amp; Humanities Elective<sup>1</sup></i>		3	<i>Check for prerequisites</i>
CET223	Structural Design I	3	MET124
CET232	Land Planning and Design	3	CET227 <b>and</b> (CET122 or CET124 or DET125)
CET235	Construction Management, Job Cost and Safety	<u>3</u>	CET121 <b>and</b> ITD122
		<b>15</b>	
<u>Fourth Semester</u>			
ENG221	Technical Report Writing	3	ENG124
CET225	Sustainable Building Service Systems	3	CET121 <b>and</b> MTH135
CET239	Building Code Applications	3	CET121 <b>and</b> (CET237 or CET122)
CET226	Estimating	3	(MTH125 or MTH135) <b>and</b> CET121 <b>and</b> ITD122 <b>and</b> (CET122 or DET125 or CET237)
CET236	Global Positioning System	<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