

Civil Engineering Technology - Architectural Option

Center for Innovative Technologies Division

2016-2017 Curriculum

Course	Title	Pre-Reqs	Lec	Lab	Credit Hours
Semester 1					
CET-100	Introduction to Civil Engineering Technology		2	2	3
CET-105	Introduction to Surveying		2	3	3
CET-115	Architectural Drafting and Computer Aided Design		2	4	4
FYE-1XX	First Year Experience Elective		1	0	1
MAT-125	Algebra & Trigonometry		3	2	4

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Semester 2

CET-120	Advanced Computer Aided Design: Revit Architecture	CET 115	3	3	4
CET-125	Statics and Strength of Materials (CET)	MAT 121	3	3	4
CET-130	Building Codes and Materials	CET 115	2	2	3
ENG-101	English Composition 1		3	0	3
MAT-126	Functions & Calculus	MAT 125 (min. grade C)	3	2	4

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Semester 3

CET-291	Full-Time Cooperative Education 1: CET	CET 100	1	40	2
COMM-110	Public Speaking	ENG 101	3	3	3
ENG-10X	English Composition Elective	ENG 101	3	0	3

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Semester 4 These CET courses are only offered in 17/FA

CET-205	Architectural Design and 3D Modeling: Revit Architecture	CET 120	3	3	4
CET-210	Lighting and Electrical Systems Design	CET 120	2	3	3
CET-215	Mechanical and HVAC Systems Design	CET 120	2	3	3
PHY-151	Physics 1: Algebra and Trigonometry-Based	PHY 150 or MAT 125	3	3	4

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Semester 5

CET-292	Full-time Cooperative Education 2: CET	CET 291	1	40	2
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Semester 6 These CET courses are only offered in 18/SU

CET-200	Structural Design	CET 125	3	3	4
CET-220	3D Modeling: Revit MEP and Revit Structure	CET 205	2	3	3
CET-280	Architectural Capstone	CET 205, CET 210, & CET 215	2	5	4
ECO-110	Principles of Macroeconomics	See Catalog	3	0	3

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Total **71**

English Composition Elective: ENG 102, ENG 104, ENG 105

First Year Experience Elective: FYE 100, FYE 105, FYE 110