

Civil Engineering Technology - Surveying Major

Center for Innovative Technologies Division

2018-2019 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-110	Advanced Surveying and Construction Layout	CET 105	2	3	3
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
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
PHY-151	Physics 1: Algebra and Trigonometry-Based	PHY 150 or MAT 125	3	3	4

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Semester 4 These CET courses are only offered in 18/FA

CET-250	Route Location and Design	CET 110	3	2	4
CET-251	Elements of Land Surveying 1	CET 110	3	2	4
CET-255	Land Information Modeling	CET 110	2	3	3
ECO-110	Principles of Macroeconomic	See Catalog	3	0	3
ENG-10X	English Composition Elective	ENG 101	3	0	3

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Semester 5 These CET courses are only offered in 19/SP

CET-252	Elements of Land Surveying 2	CET 251	3	3	4
CET-260	Control Surveying	CET 110	3	3	4
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 19/SU

CET-265	Subdivision Design and Drainage Control	CET 255	3	3	4
CET-290	CET Surveying Capstone	CET 251	1	6	3
COMM-110	Public Speaking	ENG 101	3	0	3

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Total **76**

English Composition Elective: ENG 102, ENG 103, ENG 104, ENG 105

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