

Civil Engineering Technology - Surveying Major

Engineering & Information Technologies

2021-2022 Curriculum

Course	Title	Pre-Reqs	Lec	Lab	Credit Hours
Semester 1					
CET-100	Introduction to Civil Engineering Technology		2	2	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
SUR-105	Surveying Fundamentals		2	3	3
					15

Semester 2					
CET-120	Advanced Computer Aided Design: Revit Architecture	CET 115	3	3	4
CET-125	Statics and Strength of Materials (CET)	MAT 125	3	3	4
ENG-101	English Composition 1		3	0	3
MAT-126	Functions & Calculus	MAT 125 (min. grade C)	3	2	4
SUR-110	Surveying for Construction Layout	SUR 105	2	3	3
					18

Semester 3					
CET-291	Full-Time Cooperative Education 1: CET		1	40	2
PHY-151	Physics 1: Algebra and Trigonometry-Based	PHY 150 or MAT 125	3	3	4
					6

Semester 4					
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		3	0	3
ENG-10X	English Composition Elective	ENG 101	3	0	3
					17

Semester 5					
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
					10

Semester 6					
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
					10
Total					76

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

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