

Surveying & Mapping

Engineering & Information Technologies

2024-2025 Curriculum

Course	Title	Pre-Reqs	Lec	Lab	Credit Hours
Semester 1					
CET-115	Architectural Drafting and Computer Aided Design		2	4	4
FYE-1XX	First Year Experience Elective		1	0	1
MAT-151	College Algebra		4	0	4
SUR-100	Introduction to Land Surveying		2	2	3
SUR-105	Surveying Fundamentals		2	3	3
					15

Semester 2					
MAT-152	Trigonometry	MAT 151	4	0	4
SUR-110	Surveying for Construction Layout	SUR 105	2	3	3
SUR-120	Computer Aided Design, Civil 3D, & Surveying Software	CET 115	2	4	4
SUR-130	Surveying History		4	0	4
					15

Semester 3					
ENG-101	English Composition 1		3	0	3
SUR-291	Full-Time Cooperative Education 1: LS	CET 100 or SUR 100	1	40	2
					5

Semester 4					
PHY-151	Physics 1: Algebra and Trigonometry-Based	PHY 150 or MAT 125	3	3	4
SUR-200	Route Location and Design	SUR 110	3	2	4
SUR-201	Elements of Boundary Surveying 1	SUR 110	3	2	4
SUR-215	Land Information Modeling	SUR 110	2	3	3
SUR-221	Dendrology 1		2	0	2
					17

Semester 5					
COMM-110	Public Speaking	ENG 101	3	0	3
ECO-110	Principles of Macroeconomic		3	0	3
ENG-10X	English Composition Elective	ENG 101	3	0	3
SUR-202	Elements of Boundary Surveying 2	SUR 201	3	3	4
SUR-222	Dendrology 2	SUR 221	0	2	1
					14

Semester 6					
SUR-230	Control Surveying	SUR 200	3	3	4
SUR-292	Full-time Cooperative Education 2: LS	SUR 291	1	40	2
					6
Total					72

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

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