

PROGRAM PLANNING GUIDE

**CIVIL ENGINEERING TECHNOLOGY
A40140**

Replaces Curriculum Schedule with Revision Date: FA2020

Date Revised: FA2021

CURRICULUM BY SEMESTER

Course No.		Course Title	Hours Per Week		
			Class	Lab	Credits
Semester 1					
CEG	151*	CAD for Engineering Technology	2	3	3
EGR	115	Intro to Technology	2	3	3
EGR	115A	Intro to Technology Lab	0	3	1
SRV	110	Surveying I	2	6	4
		Math Elective			3

Semester 2					
CEG	111	Introduction to GIS and Gns	2	4	4
CIV	125	Civil/Surveying CAD	1	6	3
ENG	111	Writing and Inquiry	3	0	3
SRV	111	Surveying II	2	6	4
UAS	111	Unmanned Aircraft Systems	3	0	3

Semester 3					
ENG	112	Writing and Research in the Disciplines	3	0	3
UAS	150	UAS Flight Simulation	2	3	3

Semester 4					
CEG	210	Construction Materials & Methods	2	3	3
CEG	211	Hydrology & Erosion Control	2	3	3
EGR	251	Statics	2	2	3
GIS	121	Georeferencing & Mapping	2	2	3
PSY	150	General Psychology	3	0	3

Semester 5					
CEG	212	Introduction to Environmental Tech	2	3	3
CEG	230	Subdivision Planning & Design	1	6	3
CEG	235	Project Management and Estimating	2	3	3
CIV	111	Soils and Foundations	2	4	4
EGR	252	Strength of Materials	2	2	3

Semester 6					
PHI	240	Introduction to Ethics	3	0	3
		Major Elective			2

Graduation Requirement Credit Hours: 73

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MATH ELECTIVES					
			Hours Per Week		
Course No.		Course Title	Class	Lab	Credits
Credit Hours Needed:			3		
MAT	121	Algebra/Trigonometry I	2	2	3
MAT	171	Precalculus Algebra	3	2	4

MAJOR ELECTIVES					
			Hours Per Week		
Course No.		Course Title	Class	Lab	Credits
Credit Hours Needed:			2		
ISC	121	Environmental Health & Safety	3	0	3
MAT	172	Precalculus Trigonometry	3	2	4
SRV	240	Topo/Site Surveying	2	6	4
UAS	230	UAS Aerial Photo Survey	2	2	3
WBL	112	Work-Based Learning I	0	20	2
WBL	120	Career Readiness, Explor., & Employ.	2	3	3

*DFT 151 may substitute for CEG 151