

PROGRAM PLANNING GUIDE

GEOMATICS TECHNOLOGY A40420

Replaces Curriculum Schedule with Revision Date: FA2017

Date Revised: FA2018

CURRICULUM BY SEMESTER

			Hours Per Week		
Course No.		Course Title	Class	Lab	Credits
Fall Semester 1					
ACA	115	Success & Study Skills	0	2	1
CEG	115	Introduction to Tech & Sustainability*	2	3	3
CEG	115A	Introduction to Tech & Sust. Lab	0	3	1
SRV	110	Surveying I	2	6	4
MAT	121	Algebra/Trigonometry I **	2	2	3
PSY	118	Interpersonal Psychology	3	0	3

Spring Semester 1					
CEG	111	Introduction to GIS/GNSS	2	4	4
CEG	151	CAD for Engineering Technology***	2	3	3
SRV	111	Surveying II	2	6	4
COM	120	Intro to Interpersonal Communication	3	0	3
ENG	111	Writing and Inquiry	3	0	3

Summer Semester 1					
CIV	125	Civil/Surveying CAD	1	6	3
SRV	260	Field & Office Practices	1	3	2

Fall Semester 2					
CEG	211	Hydrology & Erosion Control	2	3	3
GIS	121	Georeferencing and Mapping	2	2	3
SRV	210	Surveying III	2	6	4
SRV	250	Advanced Surveying	2	6	4
HUM	110	Technology and Society	3	0	3

Completes requirements for Field Technician Certificate: C40420B

Spring Semester 2					
CEG	230	Subdivision Planning & Design	1	6	3
GIS	246	Principles of Property Mapping	2	2	3
SRV	220	Survey Law	2	2	3
SRV	240	Topo/Site Surveying	2	6	4
		Major Electives Group 1			3

Completes requirements for CAD Certificate: C40420A

Completes requirements for Design Certificate: C40420C

Summer Semester 2					
		Major Electives Group 2			2

Graduation Requirement Credit Hours: 72

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MAJOR ELECTIVES					
			Hours Per Week		
Course No.	Course Title		Class	Lab	Credits
Major Electives 1		Credit Hours Needed:	3		
CEG	210	Construction Materials & Methods	2	3	3
CEG	212	Intro to Environmental Tech	2	3	3
CEG	235	Project Management and Estimating	2	3	3
EGR	251	Statics	2	2	3

			Hours Per Week		
Course No.	Course Title		Class	Lab	Credits
Major Electives 2		Credit Hours Needed:	2		
CST	131	OSHA/Safety/Certification	2	2	3
WBL	112	Work-based Learning I	0	20	2

* May substitute EGR 115 for CEG 115

** May substitute MAT 171, MAT 172, or MAT 271 for MAT 121

*** May substitute DFT 151 for CEG 151