

PROGRAM PLANNING GUIDE

GEOMATICS TECHNOLOGY A40420 AAS Degree

Replaces Curriculum Schedule with Revision Date: FA2023

Date Revised: FA2025

CURRICULUM BY SEMESTER

					Hours Per Week		Credits	Semesters Offered
Course No.		Course Title	Pre-Requisites	Co-Requisites	Class	Lab		
First Fall Semester								
ACA	115	Success & Study Skills	None	None	0	2	1	FA, SP
CEG	115	Intro to Tech & Sustainability	None	None	2	3	3	FA, SP
SRV	110	Surveying I	MAT 003, MAT 121, or MAT 171	None	2	6	4	FA, SP
CEG	151	CAD for Engineering Technology	None	None	2	3	3	FA, SP, SU
		Math Elective					3	FA, SP, SU

First Spring Semester								
CEG 111	Intro to Gis and Gnss	None	None	2	4	4	FA, SP	
UAS 111	Unmanned Aircraft Systems	None	None	3	0	3	FA, SP	
SRV 111	Surveying II	SRV 110, CEG 151	None	2	6	4	FA, SP	
ENG 111	Expository Writing	ENG 025 (If required)	ENG 045 (If required)	3	0	3	FA, SP, SU	

First Summer Semester								
SRV 220	Survey Law	SRV 110, CEG-151	None	2	2	3	SU	
SRV 250	Advanced Surveying	SRV 111	None	2	6	4	FA, SU	

Second Fall Semester								
CEG 211	Hydrology & Erosion Control	EGR 115, CEG 115, CEG 151 or DFT 151 and MAT 121 or MAT 171	None	2	3	3	FA	
PSY 150	General Psychology	ENG 002 or ENG 025 (If required)	None	3	0	3	FA, SP, SU	
SRV 210	Surveying III	SRV 110, CEG-151	None	2	6	4	FA	
COM 231	Public Speaking	ENG 111, Minimum Grade C	ENG 111	3	0	3	FA, SP, SU	
UAS 150	UAS Flight Simulation	None	None	2	3	3	FA, SP	

PROGRAM PLANNING GUIDE

Second Spring Semester								
CEG	230	Subdivision Planning & Design	CEG 151, CEG 211, SRV 111	None	1	6	3	SP
UAS	230	UAS Aerial Photo Surveys	UAS 111, UAS 150, and CEG 111	None	2	2	3	SP
SRV	240	Topo/Site Surveying	SRV 110, CEG-151	None	2	6	4	SP
PHI	240	Introduction to Ethics	ENG 111, Minimum Grade C	None	3	0	3	FA, SP, SU
		Major Elective					2	FA, SP, SU

Graduation Requirement Credit Hours: 66

MAJOR ELECTIVES

					Hours Per Week		Credits	Semesters Offered
Course No.	Course Title	Pre-Requisites	Co-Requisites	Class	Lab			
Major Electives		Credit Hours Needed: 2						
ISC	121	Environmental Health & Safety	None	None	3	0	3	FA, SP, SU
MAT	172	Precalculus Trigonometry	MAT-171, Minimum Grade C	None	3	2	4	FA, SP, SU
CEG	210	Construction Materials & Methods	CEG-115 or EGR-115	None	2	3	3	SP
CEG	235	Proj. Mgmt/Estimating	CEG-115 or EGR-115	None	2	3	3	FA, SP
WBL	112DK	Work-Based Learning I	14 program credits hours	None	0	20	2	FA, SP, SU
WBL	120	Career Readiness/Explore/Employ	14 program credits hours	None	2	3	3	FA, SP, SU

MATH ELECTIVES

					Hours Per Week		Credits	Semesters Offered
Course No.	Course Title			Class	Lab			
Major Electives		Credit Hours Needed: 3						
MAT	121	Algebra/Trigonometry I	MAT 003, MAT 021, MAT 035, or MAT 045A (If required)	None	2	2	3	FA, SP, SU
MAT	171	Precalculus Algebra (University Transfer)	ENG 002 or ENG 025 (If required) MAT 003, MAT 035, MAT 071, or MAT 045P (If required)	None	3	2	4	FA, SP, SU