

Columbus State Community College

Plan of Study

Construction Sciences & Engineering Technologies

Geographic Information Systems Certificate

**BUSINESS AND ENGINEERING
TECHNOLOGIES DIVISION**
Effective Autumn Semester 2016

Name _____
Student # _____
Date Entered _____
Advisor _____

FIRST SEMESTER	G/T/B	CR	TERM
GIS 1100 Introduction to GIS	T	3	
GIS 1101 Acquiring GIS Data	T	2	1st Term
GIS 1102 Mapping for Everyone	T	2	2nd Term
TOTAL		7	

SECOND SEMESTER	G/T/B	CR	TERM
GIS 1200 GIS Software I	T	2	1st Term
GIS 1201 GIS Software II	T	2	2nd Term
GIS XXXX Technical Elective (Select from list)	T	2	
TOTAL		6	

THIRD SEMESTER	G/T/B	CR	
GIS 2299 Advanced GIS Applications (4) <i>OR</i>	T		
GIS 2950 GIS Practicum & Seminar	T	3	
GIS XXXX Technical Elective (Select from list)	T	2	
TOTAL		5	

FOURTH SEMESTER	G/T/B	CR	

TECHNICAL ELECTIVES	CR	
GIS 1202 Planning and Implementing GIS	2	
GIS 2100 Introduction to GIS Databases	3	
GIS 2110 Introduction to Spatial Analysis	3	
GIS 2120 Introduction to GIS Programming	3	
GIS 2130 Georeferencing and Editing	2	
GIS 2200 Image Management & Analysis	3	
GIS 2510 Advanced Spatial Analysis	2	
GIS 2520 Advanced GIS Programming	2	
GIS 2530 Introduction to ArcGIS Server	2	
GIS 2540 GIS In Business	2	
GIS 2550 GIS in 3D	2	
GIS 2594 Current Topics: GIS	1-4	

CERTIFICATE REQUIREMENTS
TOTAL CERTIFICATE CREDITS 18