

Columbus State Community College

Plan of Study

Construction Sciences & Engineering Technologies

Civil Engineering Technology - Civil

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

Name _____
Student # _____
Date Entered _____
Advisor _____

FIRST SEMESTER		G/T/B	CR	
CIVL 1120	Construction Material Science	T	3	
CIVL 1121	Highway Plan Reading	T	1	
SURV 1410	Introduction to Surveying <i>OR</i>	B	3	
SURV 1410A	Intro to Surveying I <i>AND</i>			2
SURV 1410B	Intro to Surveying II			1
ARCH 1120	Architectural CAD I	B	1	
CMGT 1121	Construction Drawings	B	3	
COLS 1100	First Year Experience Seminar	B	1	
MATH 1148	College Algebra	G	4	
TOTAL			16	

SECOND SEMESTER		G/T/B	CR	
CIVL 1230	Heavy Construction Estimating	T	3	
CIVL 1320	Statics & Strength of Materials	T	3	
CIVL 2430	Roadway Location & Design	T	3	
SURV 1460	Computer Applications in Construction Science	T	2	
CMGT 1105	Construction Documents	B	3	
ENGL 1100	Composition I	G	3	
TOTAL			17	

SUMMER SEMESTER		G/T/B	CR	
GIS 1102	GIS in Industry	B	2	
MATH 1149	Trigonometry	G	4	
TOTAL			6	

THIRD SEMESTER		G/T/B	CR	
CIVL 2210	Principles of Hydraulics	T	2	
CIVL 2440	Traffic Engineering & Safety	T	3	
SURV 1420	Historical Survey	T	2	
SURV 2410	Engineering Surveying <i>OR</i>			
SURV 2410A	Engineering Surveying I (2) <i>AND</i>			
SURV 2410B	Engineering Surveying II (2)	T	4	
XXX XXXX	Natural Science (select from list on back)	G	3	
TOTAL			14	

FOURTH SEMESTER		G/T/B	CR	
CIVL 2230	Public Utility Systems	T	2	
SURV 2490	Land Development Systems	T	3	
XXXX XXXX	Technical Elective (Select from list)	T	2	
ESSH 1650	OSHA 30 Hr General Industry Safety & Health	B	2	
HUM XXXX	(Select from list on back) <i>OR</i>	G	3	
PSY 1100	Introduction to Psychology <i>OR</i>			
SOC 1101	Introduction to Sociology			
TOTAL			12	

Note:
With proper prerequisites MATH 1150 may be taken in place of MATH 1148 and MATH 1149.

TECHNICAL ELECTIVES (minimum of 3 credit hours)		
ARCH 2237	Structures	3
CIVL 2910	Field Experience	3
CIVL 2994	Special Topics: Civil Engineering Technology	1-3
CMGT 1131	Quantity Survey	3
SURV 2450	Legal Principles in Surveying	3
SURV 2480	Geodetic Surveying	4
SURV 2480A	Geodetic Surveying I <i>AND</i>	2
SURV 2480B	Geodetic Surveying II	2

GRADUATION REQUIREMENTS	
G = General Education B = Basic Education T = Technical Education	
Total General Ed.	17
Total Basic	15
Total Non-Technical	32
Total Tech. Ed.	33
TOTAL CREDITS	65

CIVIL ENGINEERING TECHNOLOGY

CURRICULUM GUIDE

GE-ART/HUMANITIES REQUIREMENT (SELECT ONE) ARCH 2100 PREFERRED			GE-NATURAL S/PHYSICAL SCIENCES REQUIREMENT (SELECT ONE) HORT 1130 PREFERRED		
		CR			CR
ARCH 2100	History of Architecture	3	ASTR 1161	The Solar System	3
HIST 1151	American History to 1877	3	BIO 1112	Introduction to Biology I	4
HIST 1152	American History since 1877	3	CHEM 1111	Elementary Chemistry I	4
HIST 1181	World Civilization I: Non-Western/Non-American to 1500	3	ESSH 1101	Intro to Environ Science, Safety, Health	3
HIST 1182	World Civilization II: Non-Western/Non-American Since 1500	3	GEOL 1101	Introduction to Earth Science	4
			HORT 1130	Plant Science	3
			PHYS 1200	Introductory Algebra-Based Physics I	5
			PHYS 1201	Algebra-Based Physics II	5
