

Construction Engineering and Management 5 Year Plan of Study for ROTC Students

First Year

FALL			SPRING		
Course	Course Title	Credits	Course	Course Title	Credits
CHEM 1035	General Chemistry	3	ENGE 1216	Foundations of Engineering	2
CHEM 1045	General Chemistry Lab	1	ENGL 1106	First-Year Writing	3
ENGE 1215	Foundations of Engineering	2	MATH 1226	Calculus of a Single Variable	4
ENGL 1105	First-Year Writing	3	PHYS 2305	Foundations of Physics	4
MATH 1225	Calculus of a Single Variable	4			
	ROTC	Varies		ROTC	Varies
Total Credit Hours		15 - 18	Total Credit Hours		15-18

Second Year

FALL			SPRING		
Course	Course Title	Credits	Course	Course Title	Credits
CEM 2104	Introduction to CEM	2	PHYS 2306	Foundations of Physics	4
MATH 1114	Linear Algebra OR	2	CEE 2814	CEE Measurements	4
MATH 2114	Intro to Linear Algebra	3	MATH 2214	Differential Equations	3
MATH 2204	Multivariable Calculus	3	ESM 2104	Statics	3
GEOS 2104	Elements of Geology	3			
	Area 2	3			
	ROTC	Varies		ROTC	Varies
Total Credit Hours		14-18	Total Credit Hours		15-18

Third Year

FALL			SPRING		
Course	Course Title	Credits	Course	Course Title	Credits
CEM 3024	Constr. Est. and Scheduling	3	CEE 3404	Theory of Structures	3
CEM 3084	Construction Economy	3	CEE 3684	CEE Materials	3
CEM 3164	Construct. Health and Safety	3	CEE 3104	Intro to Environmental Engr. OR	3
ESM 2204	Mech. of Deformable Bodies	3	CEE 4554	Natural Disaster	
			ENGR 1814	Energy, Resource and Environ.	
			CEE 3514	Intro to Geotechnical Engineering	3
	ROTC	Varies		ROTC	Varies
Total Credit Hours		13 - 18	Total Credit Hours		13-18

Fourth Year

FALL			SPRING		
Course	Course Title	Credits	Course	Course Title	Credits
BC 3114	Building Systems Tech	3	BC 3064	Building Systems Tech Lab	2
CEE 3424	Reinfor. Concrete Structures	3	CEM/BC 3134	Temporary Structures in Const.	3
ECON 2005	Principles of Economics	3	ECON 2006	Principles of Economics	3
BC 2114	IT in Design & Construction	3	CEE 4074	Construct. Means and Methods	3
	ROTC	Varies		ROTC	Varies
Total Credit Hours		13 - 18	Total Credit Hours		12-17

Fifth Year

FALL			SPRING		
Course	Course Title	Credits	Course	Course Title	Credits
BC 4434	Construction Practice I	3	CEM 4024	Construct. Law & Contr. Admin.	3
BC 4064	Construction Practice Lab	2	BC 4444	Construction Practice II	4
CEE 3434	Design of Steel Structures OR	3		Business Elective	3
CEE 4534	Earth Pres. And Found. Struc.			Engineering Elective	3
	Engineering Elective	3		Area 6	1
	Area 2	3			
	ROTC	Varies		ROTC	Varies
Total Credit Hours		14 - 16	Total Credit Hours		14-16