GEORGE MASON UNIVERSITY VOLGENAU SCHOOL OF INFORMATION TECHNOLOGY AND ENGINEERING B.S. DEGREE IN CIVIL AND INFRASTRUCTURE ENGINEERING

(1300 The Engineering Building, 703-993-1675)

http://www.civil.gmu.edu/programs/undergraduate.html 2011-2012 CATALOG

		Completed/	
	Department(s) & Course #(s)	<u>Grade(s)</u>	<u>Needed</u>
	ENERAL EDUCATION REQUIREMENTS (21)		
	Written Communication: ENGH 101 (100), ENGH 302 (C or better) (3,3)		
	Oral Communication: COMM 100 (3)		
	Quantitative Reasoning (satisfied by completion of mathematics and basic sciences requirem	ents)	
	Literature (3)		
е.	Arts (3)*		
f.	Western Civilization (HIST 100, 125, or acceptable transfer course)(3)*		
g.	ECON 103 (3)		
h.	Natural Science (satisfied by completion of mathematics and basic sciences requirements)		
i.	Global Understanding (3)*		
	Information Technology (satisfied by completion of major requirements)		
k.	Synthesis (satisfied by completion of major requirements)		
	*Student must satisfy General Education requirements in two of these three areas: Arts, Glob	al I Inderstandi	na and
	Western Civilization. The two additional General Education areas to be satisfied must be app		
	advisor with the goal of best meeting the general education needs of the student.	noved by the c	LIL labalty
	advisor with the goal of best meeting the general education needs of the student.		
<u>M</u> /	ATHEMATICS AND BASIC SCIENCES (33 hours required)		
	MATH 113, 114 (4,4)	·	
	MATH 213, 214 (3,3) b	·	
	CHEM 251 or CHEM 211 (4) c	·	
	PHYS 160, 161 (3,1)	·	
e.	PHYS 260, 261, 266 (3,1,1) e	·	
f.	STAT 344, BIOL 377 (3, 3) f.		
	ICINEEDING SCIENCES (66 hours required)		
	<u>IGINEERING SCIENCES</u> (66 hours required) ENGR 107, ENGR 183 (2,3) a		
		·	
	ENGR 310, ENGR 401 (3,3) c	·	
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	CEIE 340, CEIE 355 (3,3)	·	
		·	
	CEIE 400, CEIE 490 (3.3) i.		
	CEIE technical electives (list course numbers) (18)		
	1. <u>CEIE</u> 2. <u>CEIE</u>		
,	3. CEIE 4. CEIE		
;	5. CEIE 6. CEIE		

A grade of C or better is required in all CEIE and ENGR courses.

MINIMUM HOURS TO GRADUATE: 120

UPPER DIVISION HOURS (minimum 45):

This planning form is intended to be used in consultation with your academic advisor and reflects the requirements for the 2011-2012 Catalog; the University Catalog is the official reference for program requirements.

COURSE LISTS (CIVIL AND INFRASTRUCTURE ENGINEERING)

University General Education Requirements

Written Communication: ENGH 101 (or 100) and ENGH 302

Oral Communication: COMM 100

<u>Quantitative Reasoning</u>: MATH 113. The Math Placement Test is required to take a MATH course. See this web site for more information: http://cos.gmu.edu/academics/undergraduate/math_placement_testing)

<u>Literature</u>: ARAB 325; CHIN 310, 311, 325, 328; CLAS 250, 260, 340, 350, 360, 380; ENGH 201, 202, 203, 204; FREN 325, 329; FRLN 330; GERM 325; ITAL 325; PHIL 253; RELI 235; RUSS 325, 326, 327; SPAN 325

Arts: ARTH 102, 200, 201, 321, 322, 324, 333, 334, 341, 342, 344, 360, 362, 372, 373; DANC 101, 390, 391; ENGL 332; MUSI 101, 102, 107, 302; THR 101, 150, 151.

Western Civilization: HIST 100 or 125; transfer students may substitute the following courses for HIST 100 or 125: HIST 101, 102, 301, 302, 304, 305, 306, 308, 309, 314, 321, 322, 388, 435, 436, 480.

Social and Behavioral Sciences: ECON 103

Natural Sciences: PHYS 160/161 & 260/261

Global Understanding: ANTH 302, 304, 306, 309, 311, 312, 332, 385; ARTH 319, 320, 380, 382, 383, 384, 385; COMM 305; ECON 360, 361, 380, 390; ENGL 349; GGS 101; GOVT 132, 133; HIST 130, 251, 252, 261, 262, 272, 282, 329, 356, 364, 460, 462; MSOM 305; MUSI 103, 431; RELI 100, 211, 212, 313, 315, 374; RUSS 354; SOCI 120, 332; SPAN 322; WMST 100

Information Technology: ENGR 117

Synthesis: CEIE 490