

GEORGE MASON UNIVERSITY
VOLGENAU SCHOOL OF ENGINEERING
B.S. DEGREE IN CIVIL AND INFRASTRUCTURE ENGINEERING
(1300 Nguyen Engineering Building, 703-993-1675)
<http://civil.gmu.edu/>
2017-2018 CATALOG

	<u>Department(s) & Course #(s)</u>	<u>Completed/</u>	<u>Grade(s)</u>	<u>Needed</u>
<u>MASON CORE REQUIREMENTS (21)</u>				
a. Written Communication: ENGH 101 (100), ENGH 302 (C or better) (3,3)		___	___	___
b. Oral Communication: COMM 100 or 101 (3)		___	___	___
c. Quantitative Reasoning (satisfied by MATH 113)		___	___	___
d. Literature (3)		___	___	___
e. Arts (3)*		___	___	___
f. Western Civilization (HIST 100, 125, or acceptable transfer course)(3)*		___	___	___
g. ECON 103 (3)		___	___	___
h. Natural Science (satisfied by CHEM 251; PHYS 160/161 and 260/261)		___	___	___
i. Global Understanding (3)*		___	___	___
j. Information Technology (satisfied by CDS 130)		___	___	___
k. Synthesis (satisfied by completion of CEIE 490)		___	___	___

Go to: <http://catalog.gmu.edu/mason-core/> to link to information on Mason Core requirements.

*Student must satisfy Mason Core requirements in two of these three areas: Arts, Global Understanding, and Western Civilization. The two additional Mason Core areas to be satisfied must be approved by the CEIE faculty advisor with the goal of best meeting the Mason Core needs of the student.

MATHEMATICS AND BASIC SCIENCES (33 hours required)

a. MATH 113, 114 (4,4)		a. ___	___	___
b. MATH 213, 214 (3,3)		b. ___	___	___
c. CHEM 251 or CHEM 211/213 (4)		c. ___	___	___
d. PHYS 160, 161 (3,1)		d. ___	___	___
e. PHYS 260, 261, 266 (3,1,1)		e. ___	___	___
f. STAT 344, BIOL 377 (3, 3)		f. ___	___	___

ENGINEERING SCIENCES (66 hours required)

a. ENGR 107, CDS 130 (2,3)		a. ___	___	___
b. CEIE 203, CEIE 210 (3,3)		b. ___	___	___
c. CEIE 240, CEIE 301 (writing intensive course) (3,3)		c. ___	___	___
d. CEIE 304, CEIE 310 (0,3)		d. ___	___	___
e. CEIE 311, CEIE 331 (3,3)		e. ___	___	___
f. CEIE 340, CEIE 355 (3,3)		f. ___	___	___
g. CEIE 360, CEIE 370 (3,3)		g. ___	___	___
h. CEIE 404, CEIE 409 (0,3)		h. ___	___	___
i. CEIE 490 (3)		i. ___	___	___
j. CEIE technical electives (list course numbers) (24)				
1. <u>CEIE _____</u>	2. <u>CEIE _____</u>	___	___	___
3. <u>CEIE _____</u>	4. <u>CEIE _____</u>	___	___	___
5. <u>CEIE _____</u>	6. <u>CEIE _____</u>	___	___	___
7. <u>CEIE _____</u>	8. <u>CEIE _____</u>	___	___	___

A grade of C or better is required in all MATH, science, and Volgenau School of Engineering courses.

MINIMUM 120 HOURS (including Minimum 45 UPPER DIVISION HOURS) to GRADUATE

This planning form is intended to be used in consultation with your academic advisor and reflects the requirements for the 2017-2018 Catalog; the University Catalog is the official reference for program requirements.

COURSE LISTS (CIVIL AND INFRASTRUCTURE ENGINEERING)

Mason Core Requirements

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

Oral Communication: COMM 100

Quantitative Reasoning: MATH 113. The Math Placement Test is required to take MATH 113. See this web site for more information: http://math.gmu.edu/placement_test.php

Literature: 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 320, 325; JAPA 340; KORE 311; PHIL 253; RELI 235; RUSS 325, 326, 327; SPAN 325

Arts: ARTH 101, 102, 103, 200, 201, 203, 204, 206, 321, 322, 324, 333, 334, 335, 340, 341, 342, 344, 345, 360, 362, 370, 372, 373, 376; AVT 103, 104, 215, 222, 232, 243, 252, 253, 262, 272, 385; DANC 101, 119, 125, 131, 145, 161, 225, 231, 245, 301, 325, 331, 345, 425, 445, 390, 391; ENGH 370, 371, 372, 396; FAVS 225; GAME 101; MUSI 100, 101, 102, 107, 280, 301, 302, 380, 381, 382, 383, 384, 385, 387, 389, 485; PHIL 156; THR 101, 150, 151, 210, 230, 395, 411, 412.

Western Civilization: HIST 100 or 125; transfer students may substitute: the following courses for HIST 100: HIST 101, 102, 301, 302, 304, 305, 306, 308, 309, 312, 314, 322, 388, 436, 480; and the following courses for HIST 125: HIST 202, 387.

Social and Behavioral Sciences: ECON 103

Natural Sciences: PHYS 160/161 & 260/261

Global Understanding: ANTH 302, 306, 307, 308, 309, 312, 313, 316, 331, 332, 382; ARTH 319, 320, 382, 383, 384, 385, 386; BUS 200; CEIE 100; COMM 305, 456; CRIM 405; DANC 118, 318, 418; ECON 360, 361, 362, 380, 390; ENGH 362, 366; FAVS 300; FRLN 331; GCH 205; GGS 101; GLOA 101; GOVT 132, 133; HIST 251, 252, 261, 262, 271, 272, 281, 282, 328, 329, 356, 357, 358, 360, 364, 365, 387, 460, 462; JAPA 310; MBUS 305; MUSI 103, 431; PHIL 243; PROV 105; PSYC 379; RELI 100, 211, 212, 313, 315, 320, 322, 341, 374; RUSS 354; SOCI 120, 320, 332; SPAN 322, 466; SYST 202; THR 359, TOUR 210; WMST 100

Information Technology: CDS130

Synthesis: CEIE 490