

**GEORGE MASON UNIVERSITY
VOLGENAU SCHOOL OF ENGINEERING
B.S. DEGREE IN MECHANICAL ENGINEERING
(1856 Nguyen Engineering Building, 703-993-1712)
<http://volgenau.gmu.edu/web/volgenau/bachelor-degrees>
2017-2018 CATALOG**

<u>MASON CORE REQUIREMENTS (24)</u>	<u>Department(s) & Course #(s)</u>	<u>Completed/ Grade(s)</u>	<u>Needed</u>
a. Written Communication: ENGH 101 (100), ENGH 302 (C or better) (3,3)		___ ___	___ ___
b. Oral Communication: COMM 100 or COMM 101 (3)		___	___
c. Quantitative Reasoning (satisfied by completion of mathematics and basic sciences requirements)			
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 completion of mathematics and basic sciences requirements)			
i. Global Understanding (3)		___	___
j. Information Technology (satisfied by completion of major requirements)			
k. Synthesis (satisfied by completion of major requirements)			

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

MATHEMATICS, BASIC SCIENCES, and COMPUTER SCIENCE (36 hours required)

a. MATH 113, 114 (4,4)	a. ___ ___	___ ___
b. MATH 213, 214 (3,3)	b. ___ ___	___ ___
c. CHEM 251 (4) or CHEM 211/213 (3/1)	c. ___	___
d. PHYS 160, 161 (3,1)	d. ___ ___	___ ___
e. PHYS 260, 261 (3,1)	e. ___ ___	___ ___
f. ME 351 (3)	f. ___	___
g. CS 112 (4)	g. ___	___
h. Mathematics/Science Elective (3) (from department's pre-approved list; list course)	h. ___	___

ENGINEERING CREDITS (61 hours required)

a. ECE 285, ECE 286 (3,3)	a. ___ ___	___ ___
b. ME 151, ME 211 (2,3)	b. ___ ___	___ ___
c. ME 212, ME 221 (3,3)	c. ___ ___	___ ___
d. ME 231, ME 311 (3,1)	d. ___ ___	___ ___
e. ME 313, ME 321 (3,1)	e. ___ ___	___ ___
f. ME 322, ME 323 (3,3)	f. ___ ___	___ ___
g. ME 341 or ME 342 (circle choice), ME 352 (3,3)	g. ___ ___	___ ___
h. ME 432, ME 443 (4,3)	h. ___ ___	___ ___
i. ME 444 (writing intensive course), ME 453 (3,2)	i. ___ ___	___ ___
k. ME technical electives (from the department' list of pre-approved courses) (12)		
1. _____ 2. _____	1. ___ ___	___ ___
3. _____	3. ___ ___	___ ___

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

MINIMUM 121 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 (MECHANICAL ENGINEERING)

Mason Core Requirements

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

Oral Communication: COMM 100 or COMM 101

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, 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

Synthesis: ME 444