

**GEORGE MASON UNIVERSITY
VOLGENAU SCHOOL OF ENGINEERING
B.S. DEGREE IN CYBER SECURITY ENGINEERING
(2215 Nguyen Engineering Building, 703-993-1502)
<http://volgenau.gmu.edu/cse>
2015-2016 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 (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://masoncore.gmu.edu/> to link to information on Mason Core requirements.

MATHEMATICS, BASIC SCIENCES, and COMPUTER SCIENCE (35 hours required)

a. MATH 113, 114 (4,4)	a. ___ ___	___ ___
b. MATH 213, 214 (3,3)	b. ___ ___	___ ___
c. MATH 203 (3)	c. ___ ___	___ ___
d. PHYS 160, 161 (3,1)	d. ___ ___	___ ___
e. PHYS 260, 261 (3,1)	e. ___ ___	___ ___
f. STAT 344 (3)	f. ___ ___	___ ___
g. CS 112, CS 222 (4,3)	g. ___ ___	___ ___

ENGINEERING CREDITS (67 hours required)

a. ENGR 107 (2)	a. _____	_____
c. CYSE 101, CYSE 205 (3,3)	c. ___ ___	___ ___
d. CYSE 211, CYSE 220 (3,3)	d. ___ ___	___ ___
e. CYSE 230, CYSE 301 (3,3)	e. ___ ___	___ ___
f. CYSE 325, CYSE 330 (3,3)	f. ___ ___	___ ___
g. CYSE 411, CYSE 421 (3,3)	g. ___ ___	___ ___
h. CYSE 425, CYSE 430 (3,3)	h. _____	_____
i. CYSE 445, CYSE 450 (3,1)	i. _____	_____
j. CYSE 465, CYSE 470 (3,3)	j. ___ ___	___ ___
j. CYSE 475, CYSE 491 (3,2)	j. ___ ___	___ ___
j. CYSE 492, CYSE 493 (2,3)	j. ___ ___	___ ___
l. ME technical electives (from the department's list of pre-approved courses) (9)		
1. _____	1. ___ ___	___ ___
2. _____		
3. _____	3. ___ ___	___ ___

All BS CYSE students must complete the following courses with a grade of C or better: MATH 203, MATH 214, CS 222, PHYS 260, STAT 344, and all CYSE courses.

MINIMUM HOURS TO GRADUATE: 126

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 2015-2016 Catalog; the University Catalog is the official reference for program requirements.

COURSE LISTS (CYBER SECURITY)

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; 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; DANC 101, 119, 125, 131, 145, 161, 225, 231, 245, 301, 325, 331, 345, 425, 445, 390, 391; ENGH 370, 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, 435, 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, 311, 312, 313, 316, 331, 332; ARTH 319, 320, 380, 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; MUSI 103, 431; PHIL 243; 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: CS112; ENGR 107

Synthesis: CYSE 493