

**GEORGE MASON UNIVERSITY
COLLEGE OF SCIENCE**

B.S. DEGREE IN COMPUTATIONAL AND DATA SCIENCES (352 Research I, 703-993-3617)

<http://cds.gmu.edu/phd/program6.php>

2009-2010 CATALOG

	<u>Department(s) & Course #(s)</u>	<u>Completed/ Grade(s)</u>	<u>Needed</u>
GENERAL EDUCATION REQUIREMENTS (*27)			
a. Composition: EN 101 (100), 302 (C or better) (3,3)	_____	_____	_____
b. Communications 100 or 101 (please circle choice) (3)	_____	_____	_____
c. Quantitative Reasoning (satisfied by completion of major requirements)			
d. Literature (3)	_____	_____	_____
e. Fine Arts (3)	_____	_____	_____
f. Social Sciences:			
Western Civilization (3)	_____	_____	_____
Social & Behavioral Science (3)	_____	_____	_____
g. Natural Science (satisfied by completion of major requirements)			
h. Global Understanding (3)	_____	_____	_____
i. Information Technology (satisfied by completion of major requirements)			
j. Synthesis (3)	_____	_____	_____

Go to: <http://chss.gmu.edu/gened> to link to information on general education requirements.

MAJOR REQUIREMENTS (90-92 hours required)

a. CDS 101, 301 (3,3)	a.	_____	_____
b. CDS 302, 401 (3,3)	b.	_____	_____
c. CDS 410, 411 (3,3)	c.	_____	_____
d. CS 105, 112 (1,4)	d.	_____	_____
e. CS 211, 261 (3,1)	e.	_____	_____
f. CS 367, 483 (3,3)	f.	_____	_____
g. MATH 113, 114 (4,4)	g.	_____	_____
h. MATH 125, 203 (3,3)	h.	_____	_____
i. MATH 213, 214 (3,3)	i.	_____	_____
j. MATH 446 (3)	j.	_____	_____
k. STAT 344, 354 (3,3)	k.	_____	_____
l. One of the following Science Concentrations: (21-25)			
Physics: PHYS 160, 161, 260, 261, 262, 263 and three of PHYS 303, 305, 306, 307, 308, 328 (list course numbers) (24)			
1. PHYS 160/161(3,1)	1.	_____	_____
2. PHYS 260/261(3,1)	2.	_____	_____
3. PHYS 262/263 (3,1)	3.	_____	_____
4. PHYS _____, PHYS _____, PHYS _____	4.	_____	_____
Chemistry: PHYS 243, 244, 245, 246; CHEM 211, 212 & either CHEM 313/315 or CHEM 331/336. (21)			
1. PHYS 243/244 (3/1)	1.	_____	_____
2. PHYS 245/246(3/1)	2.	_____	_____
3. CHEM 211, 212 (4,4)	3.	_____	_____
4. CHEM 313/315 (3,2) or CHEM 331/336 (3,2) (circle choice)	4.	_____	_____
Biology: CHEM 211, 212, 313, 315, and BIOL 213, 305, 306, 311 (25)			
1. CHEM 211, 212 (4,4)	1.	_____	_____
2. CHEM 313/315 (3,2)	2.	_____	_____
3. BIOL 213, 311 (4,4)	3.	_____	_____
4. BIOL 305, 306 (3,1)	4.	_____	_____
m. Computational and data sciences electives (3-9 credits) (list courses)			
1. CDS _____	1.	_____	_____
2. CDS _____	2.	_____	_____
3. CDS _____	3.	_____	_____

A GPA of 2.0 or better is needed in major requirements.

GENERAL ELECTIVES (List courses)

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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 2009-2010 Catalog; the University Catalog is the official reference for program requirements.