

**GEORGE MASON UNIVERSITY  
COLLEGE OF SCIENCE**

**B.S. DEGREE IN PHYSICS (303 Science and Tech I, 703-993-1280)**

[http://catalog.gmu.edu/preview\\_program.php?catoid=5&poid=1353&returnto=111](http://catalog.gmu.edu/preview_program.php?catoid=5&poid=1353&returnto=111)

**2009-2010 CATALOG**

	<u>Department(s) &amp; Course #(s)</u>	<u>Completed/ Grade(s)</u>	<u>Needed</u>
<b>GENERAL EDUCATION REQUIREMENTS (*30)</b>			
a. Composition: ENGL 101 (100), 302 (C or better) (3,3)		_____	_____
b. Communication 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 (3)	_____	_____	_____
j. Synthesis (3)	_____	_____	_____

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

**MAJOR REQUIREMENTS (65)**

a. PHYS 160, 161 (3,1)		a. _____	_____
b. PHYS 260, 261 (3,1)		b. _____	_____
c. PHYS 262, 263 (3,1)		c. _____	_____
d. PHYS 303, 305 (3,3)		d. _____	_____
e. PHYS 308, 402 (3,3)		e. _____	_____
f. PHYS 407 (3)		f. _____	_____
i. Six hours chosen from the following: (6) (list courses) PHYS 251(3), 306 (3), 307(3), 405 (3) or 406 (3), 408 (2-3) or 409 (3), 416 (1), and ASTR 328 (3) or 428 (3).			
1. _____ 2. _____		_____	_____
3. _____		_____	_____
j. Twelve hours chosen from the following: (12) (list courses) PHYS 121 (1), 122 (1), 123 (1), 124 (1), CS 112 (4), or any approved upper level physics, astronomy, chemistry, electrical engineering, or mathematics courses.			
1. _____ 2. _____		_____	_____
3. _____ 4. _____		_____	_____
5. _____		_____	_____
k. Twenty hours of Mathematics as follows: (20)			
1. MATH 113, 114 (4,4)		1. _____	_____
2. MATH 213, 214, 203 (3,3,3)		2. _____	_____
3. One course from: MATH 313, MATH 413, or STAT 344 (circle choice)(3)		3. _____	_____

**Areas of Emphasis:** In meeting the requirement for 6 credits outside the core, students have the option of electing an emphasis. Students who wish to complete an emphasis should plan a program of study in consultation with their advisor. See the University Catalog for more information: [http://catalog.gmu.edu/preview\\_program.php?catoid=5&poid=1353&bc=1](http://catalog.gmu.edu/preview_program.php?catoid=5&poid=1353&bc=1)

**A GPA of 2.0 or better is required in all major course work.**

**GENERAL ELECTIVES (List courses)**

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

**MINIMUM HOURS TO GRADUATE: 120**

<b>UPPER DIVISION HOURS (minimum 45):</b>
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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.