

GEORGE MASON UNIVERSITY
THE VOLGENAU SCHOOL OF INFORMATION TECHNOLOGY AND ENGINEERING
B.S. DEGREE IN ELECTRICAL ENGINEERING (3100 The Engineering Building, 703-993-1569)
http://ece.gmu.edu/index.php?id=bs_ee
2009-2010 CATALOG

	<u>Department(s) & Course #(s)</u>	<u>Completed/ Grade(s)</u>	<u>Needed</u>
<u>GENERAL EDUCATION REQUIREMENTS (24)</u>			
a. Composition: English 101 (100), 302 (C or better) (3,3)		_____	_____
b. Communication 100(3)		_____	_____
c. Quantitative Reasoning (satisfied by completion of major requirements)		_____	_____
d. Literature (3)		_____	_____
e. Fine Arts (3) (See Department for approved courses)		_____	_____
f. Social Sciences:			
Western Civilization (HIST 100, 125, or acceptable transfer course)		_____	_____
ECON 103 (3)		_____	_____
g. Natural Science (satisfied by completion of major requirements)		_____	_____
h. Global Understanding (3) (See Department for approved courses)		_____	_____
i. Information Technology (satisfied by completion of major requirements)		_____	_____
j. Synthesis (satisfied by completion of major requirements)		_____	_____

MATHEMATICS AND BASIC SCIENCES (32 hours required)

a. MATH 113, 114 (4,4)	a.	_____	_____
b. MATH 213, 214 (3,3)	b.	_____	_____
c. MATH 203 (3)	c.	_____	_____
d. STAT 346 (3)	d.	_____	_____
e. PHYS 160, 161 (3,1)	e.	_____	_____
f. PHYS 260, 261 (3,1)	f.	_____	_____
g. PHYS 262, 263 (3,1)	g.	_____	_____

ENGINEERING AND COMPUTER SCIENCES (64 hours required)

a. ENGR 107 (2)	a.	_____	_____
b. CS 112 (4)	b.	_____	_____
c. CS 222 (3)	c.	_____	_____
d. ECE 101, 201 (3,3)	d.	_____	_____
e. ECE 220 (3)	e.	_____	_____
f. ECE 280 (5)	f.	_____	_____
g. ECE 320 (3)	g.	_____	_____
h. ECE 331, 332 (3,1)	h.	_____	_____
i. ECE 333, 334 (3,1)	i.	_____	_____
j. ECE 305 (3)	j.	_____	_____
k. ECE 421 (3)	k.	_____	_____
l. ECE 433 (3)	l.	_____	_____
m. ECE 445 (3)	m.	_____	_____
n. ECE 460 (3)	n.	_____	_____
o. Advanced Engineering Labs (list courses) (2)	o.	_____	_____
1. _____ 2. _____		_____	_____
p. Senior technical electives (list courses) (9)	p.	_____	_____
1. _____ 2. _____		_____	_____
3. _____		_____	_____
q. ECE 491, 492, 493 (1,1, 2)	q.	_____	_____

Concentrations are available in the following areas: Bioengineering, Communications and Signal Processing, Computer Engineering, Control Systems, and Electronics; see Catalog for more information.

EE students must present a C or better in all ENGR and ECE courses presented as part of the 120 credits hours needed for the degree.

MINIMUM HOURS TO GRADUATE: 120

UPPER DIVISION HOURS (minimum 45): Satisfied by required courses.

TRANSFER COURSES WITH "L" IN "EQUIVALENCIES" DO NOT CONTRIBUTE TO THE REQUIRED 45 HOURS.

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.