

Engineering - AA Program Number 23

Student Name: _____

GPA _____

Catalog Year 2008-2009

Student ID Number: _____

Advisor _____

Date _____

GENERAL EDUCATION CORE

Course Number	General Education Core	Credits Required	Credits Earned	Planning
ENGL 121	College Composition I: Expository Writing	3		
Arts and Humanities	One course from either Literature, Fine Arts, or Humanities	3		
	Fine Arts Core Course	3		
History	History Core Course	3		
Social Sciences	Social and Behavioral Sciences Core Course	3		
CHEM	CHEM-135 Chemistry for Engineers OR CHEM-101 General Inorganic Chemistry I AND CHEM-102 General Inorganic Chemistry II	3-8		
PHYS 110	General Physics I (Calculus)	4		
MATH 181	Calculus I	4		
Total Core Credits – General Education Core credits in excess of 36 will transfer as general electives or courses related to the major. Total general education and required courses must equal at least 60 semester hours of credit.				

REQUIRED COURSES RELATED TO MAJOR

Course Number	Required Course	Credits Required	Credits Earned	Planning
ENES 100	Introduction to Engineering Design	3		
MATH 182	Calculus II	4		
MATH 240	Calculus III	4		
MATH 260	Differential Equations	3		
PHYS 111	General Physics II (Calculus)	4		
PHYS 112	General Physics III (Calculus)	3		
Engineering Electives	Select at least 15 credits from courses listed below	15		

Electives-Select at least 15 credits from the following courses:

Elective	Course Title	Credits
ENES 120	Statics	3
ENES 130	Dynamics	3
ENES 140	Mechanics	3
ENES 159	Programming Concepts for Engineers	4
ENES 181	Thermodynamics	3
ENES 204	Basic Circuit Theory	3
ENES 206	Fundamental Electric and Digital Circuit	2
ENES 241	Numerical Techniques in Engineering	3
ENES 244	Digital Logic Design	3
ENES 271	Introduction to MATLAB	3

NOTES:

University of Maryland College Park accepts CHEM-135, Chemistry for Engineers, as the chemistry requirement

Students planning to attend the UMCP in electrical engineering should take ENES-159, ENES-204, ENES-206, ENES-241 and ENES-244

Students planning to attend the University of Maryland College Park in mechanical engineering should take ENES-120, ENES-130, ENES-140, ENES-181 and ENES-271

Developmental Courses

English

___ ENGL-093
___ ENGL-096*
___ ENGL-094
___ ENGL-097

English ESL

___ ENGL-083
___ ENGL-084
___ ENGL-085
___ ENGL-086*
___ ENGL-087

*Co-requisite

___ FYEX-100

Math

___ MATH-060
___ MATH-061
___ MATH-064
___ MATH-065
___ MATH-067
___ MATH-070