

NAME: _____

UID: _____ __ A.A. __ A.S.E. __ Post-Bac

ELECTRICAL ENGINEERING

GENERAL EDUCATION REQUIREMENTS			
Fundamental Studies			
Academic Writing (AW)	ENGL 101		3
Professional Writing (PW)	ENGL 393		3
Oral Communication (OC)			3
Distributive Studies			
History/Social Sciences (HS*)			3
History/Social Sciences (HS*)			3
Humanities (HU*)			3
Humanities (HU*)			3
Scholarship in Practice (SP*) out of mj			3
I-Series Courses			
I-Series (IS*)			0/3
I-Series (IS*)			0/3
Diversity			
Understanding Plural Societies (UP*)			0/3
Understanding Plural Societies (UP*) OR Cultural Competency (CC*)			0/3
MAJOR REQUIREMENTS			
Basic Sciences			
CHEM 135-Chem Engr or 131 & 134 -Fund & Prin			3/3&1
PHYS 161 - General Physics I (NS)			3
PHYS 260 and PHYS 261 - Gen Physics II & Lab (NL)			3 & 1
PHYS 270 and PHYS 271 - Gen Physics III & Lab			3 & 1
MATH 140- Calculus I (MA/AR)			4
MATH 141 - Calculus II			4
MATH 241 - Calculus III			4
MATH 246 - Differential Equations			3
Engineering Sciences			
ENES 100 - Intro to Eng Design (SP)			3

* May satisfy more than one requirement. See www.gened.umd.edu**For a complete list of approved electives, please see: www.ece.umd.edu/home

For Degree Clearance Only	
Degree: B.S. ENEE	Advisor: _____
Date: _____	Credits/GPA: _____

Major Requirements		
ENEE 150 – Intermed Prog Concepts*		3
*Students must successfully complete ENEE140 OR exemption prior to enrolling.		
ENEE 101 - Intro to Electrical & Comp Engr		3
ENEE 205 – Electric Circuits		4
ENEE 222 – Elements of Discrete Signal		4
ENEE 244 – Digital Logic Design		3
ENEE 245 – Digital Circuits and Systems		2
ENEE 303 – Analog & Digital Electronics		3
ENEE 307 – Electronic Circuit Design Lab		2
ENEE 313 – Intro Device Physics		3
ENEE 322 – Signal & System Theory		3
ENEE 324 – Eng Probability		3
ENEE 350 – Computer Organization		3
ENEE 380 – Electromagnetic Theory		3
ENEE 381 – Electromagnetic Wave Propagation		3
Required ENEE Technical Electives (13 credits)		
Category A: Adv. Theory & Applications:		3
Category B: Advanced Laboratory:		2-3
Category C: Capstone Design:		3
Category A-C:		3
Category A-C:		1-3

A minimum of 13 credits of 300/400-level ENEE electives must be completed and at least two courses must be selected from a single area of specialization. For a complete list of approved ENEE elective, areas of specialization and minimum credit requirements for each category, please see: <http://www.ece.umd.edu/home>

General Technical Electives**		
MATH 4xx - Technical Math Elective**		3
General Technical Electives**		3
General Technical Electives**		3
General Technical Electives**		3

Requirements for Graduation:
<input type="checkbox"/> Final 30 credits must be earned at UMD
<input type="checkbox"/> 15 of the final 30 credits must be earned at the 300-400 level
<input type="checkbox"/> 12 upper level major credits must be earned at UMD
<input type="checkbox"/> A minimum 2.00 cumulative UM GPA, and satisfactory completion of all degree requirements, is required for graduation
<input type="checkbox"/> Students matriculating in Fall 2012 or after must have a 2.0 minimum GPA for all degree requirements, minor requirements, and undergraduate certificate requirements
(Major courses are defined as: departmental courses, basic sciences, engineering sciences, specified degree tracks, technical requirements/ technical electives and ENGL 393)
<input type="checkbox"/> A minimum of 120 credits is required to earn the degree

Electrical Engineering Four Year Academic Plan

Name: _____

UID: _____

Year 1	Fall		
Gateway requirements include: ENGL 101, CHEM 135, MATH 141, PHYS 161 and an approved Distributive Studies course. (Directly admitted freshman must successfully complete these courses and ENES 100 by 45 UM credits.)	<i>Course</i>	<i>Credit</i>	<i>Grade</i>
	CHEM 135	3	
	ENEE 140	2	
	ENEE 101	3	
	MATH 140 (AR)	4	
	ENGL 101 (AW)	3	
Total		15	

Spring		
<i>Course</i>	<i>Credit</i>	<i>Grade</i>
ENEE 150	3	
ENES 100 (SP)	3	
MATH 141	4	
PHYS 161 (NS)	3	
Humanities (HU)*	3	
Total	16	

Year 2	Fall		
	<i>Course</i>	<i>Credit</i>	<i>Grade</i>
	MATH 246	3	
	ENEE 222	4	
	ENEE 244	3	
	PHYS 260 and PHYS 261 (NL)	3 or 4	
	Scholarship in Practice (SP)*	3	
Total		17	

Spring		
<i>Course</i>	<i>Credit</i>	<i>Grade</i>
MATH 241	4	
ENEE 205	4	
ENEE 245	2	
PHYS 270 and PHYS 271	3 & 1	
ORAL COMM (OC)	3	
Total	17	

Year 3	Fall		
	<i>Course</i>	<i>Credit</i>	<i>Grade</i>
	ENEE 303	3	
	ENEE 322	3	
	ENEE 350	3	
	ENEE 380	3	
	Humanities (HU)*	3	
Total		15	

Spring		
<i>Course</i>	<i>Credit</i>	<i>Grade</i>
ENEE 307	2	
ENEE 313	3	
ENEE 324	3	
ENEE 381	3	
Hist & Social Sciences (HS)*	3	
ENGL 393 (PW)	3	
Total	17	

Year 4	Fall		
	<i>Course</i>	<i>Credit</i>	<i>Grade</i>
	ENEE Upper Tech Elective	3	
	ENEE Upper Tech Elective	2	
	ENEE Upper Tech Elective	3	
	Upper-level Gen. Tech Elec	3	
	MATH 4XX Elective	3	
Total		14	

Spring		
<i>Course</i>	<i>Credit</i>	<i>Grade</i>
ENEE Upper Tech Elective	3	
ENEE Upper Tech Elective	3	
Upper-level Gen. Tech Elec	3	
Upper-level Gen. Tech Elec	3	
Hist & Social Sciences (HS)*	3	
Total	15	

*All students must complete two Distributive Studies courses that are approved for I-series courses. The Understanding Plural Societies and Cultural Competence courses may also fulfill Distributive Studies categories.