

**Old Dominion University**

**B. S. Electrical Engineering Curriculum**

Department of Electrical & Computer Engineering  
2006-2008 Catalog

Name: \_\_\_\_\_

UIN: \_\_\_\_\_

**FRESHMAN FIRST SEMESTER**

			Term	Grade	Pre-/Co-requisites
ENGL 110C	English Comp I	3	_____	_____	P-pass Placement test
MATH 211	Calculus I	4	_____	_____	P-MATH 163
CHEM 115N	Chemistry I	4	_____	_____	C-MATH 102M
ENGN 110	Engineering & Tech I	2	_____	_____	P-MATH 162M
GEN ED	Fine and Performing Arts	3	_____	_____	(GEN 101 may be used)

**FRESHMAN SECOND SEMESTER**

MATH 212	Calculus II	4	_____	_____	P-MATH 211
CS 150**	Intro to Programming	4	_____	_____	P-MATH 102M
CHEM 117	Chemistry II	3	_____	_____	P-CHEM 115N
PHYS 231N	University Physics I	4	_____	_____	P-MATH 211
ENGN 111	Engineering & Tech II	2	_____	_____	P-MATH 162M

\*\*CS 147 AND CS 148 may be taken in place of CS 150

**SOPHOMORE FIRST SEMESTER**

ECE 201	Circuit Analysis	3	_____	_____	P/C-MATH 307, PHYS 232N
MATH 307 (MATH 280)	Diff. Equations	3	_____	_____	P-MATH 212
PHYS 232N	University Physics	4	_____	_____	P-PHYS 231N
ECE 241	Fund of Comp Engineer	4	_____	_____	P-CS 150, P/C-PHYS 232N

**SOPHOMORE SECOND SEMESTER**

ECE 202	Circuits, Signals&Linear Systems	3	_____	_____	P-ECE 201, MATH 307
ECE 287	Fund Electric Circuit Lab	1	_____	_____	P-ECE 201, C-ECE 202
MATH 312 (MATH 285)	Calculus III	4	_____	_____	P-MATH 212
Engr	Nonmajor Engr elec	3	_____	_____	
GEN ED	History Perspective	3	_____	_____	(GEN 101 may be used)

**JUNIOR FIRST SEMESTER**

ECE 313	Electronic Circuits	3	_____	_____	P-ECE 202, P/C-241, C-ECE 382
ECE 382	Electronics Laboratory	2	_____	_____	C-ECE 313
ECE 303	Intro Electrical Power	3	_____	_____	P-ECE 202
ECE 332	Micro. Materials	3	_____	_____	P-ECE 202
ENGL 131C	Technical Writing	3	_____	_____	P-ENGL 110C
GEN ED	Social Science Persp.	3	_____	_____	(GEN 101 may be used)

**JUNIOR SECOND SEMESTER**

ECE 304	Prob. Stat. & Reliab.	3	_____	_____	P-MATH 212
ECE 323	Electromagnetics	3	_____	_____	P-ECE 202
ECE 387	Microelec. Fabric. Lab	3	_____	_____	P-ECE 332
ECE 4XX	Technical Elective 1	3	_____	_____	
GEN ED	Philosophy Perspective	3	_____	_____	(GEN 101 may be used)

**SENIOR FIRST SEMESTER**

ECE 485W	EE Design I	3	_____	_____	P-ECE 313, P/C-ECE 304
ECE 4XX	Technical Elective 2	3	_____	_____	
Depth	Cluster or Minor	3	_____	_____	
Depth	Cluster or Minor	3	_____	_____	
GEN ED	Literature Perspective	3	_____	_____	(GEN 101 may be used)

**SENIOR SECOND SEMESTER**

ENGN 401	FE Exam Review	1	_____	_____	
ECE 486	EE Design II	3	_____	_____	P-ECE 485W
ECE 4XX	Technical Elective 3	3	_____	_____	
ECE 4XX	Technical Elective 4	3	_____	_____	
Depth	Cluster or Minor	3	_____	_____	
Elec	Approved Elective	3	_____	_____	

**Cluster or Minor:** \_\_\_\_\_ Upper division cluster – 9 hours Minor – minimum of 12 hours

Foreign Language: \_\_\_\_\_

Advisor Approval: \_\_\_\_\_

Date: \_\_\_\_\_