

Old Dominion University
B. S. Computer Engineering Curriculum

Department of Electrical & Computer Engineering
 2006-2008 Catalog

Name: _____

UIN: _____

FRESHMAN FIRST SEMESTER

			Term	Grade	Pre-/Co-requisites
MATH 211	Calculus I	4	_____	_____	P-MATH 163
CHEM 115N	Chemistry I	4	_____	_____	C-MATH 102M
ENGL 110C	English Comp I	3	_____	_____	P-pass Placement test
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
PHYS 231N	University Physics I	4	_____	_____	P-MATH 211
CHEM 117	Chemistry II	3	_____	_____	P-CHEM 115N
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
PHYS 232N	University Physics	4	_____	_____	P-PHYS 231N
CS 381	Intro Discrete Structure	3	_____	_____	P-MATH 163, CS 150
MATH 307(MATH 280)	Diff Equations	3	_____	_____	P-MATH 212
GEN ED	History Perspective	3	_____	_____	(GEN 101 may be used)

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
ECE 241	Fund of Comp Engineer	4	_____	_____	P-CS 150, P/C-PHYS 232N
CS 250	Prob Solving & Prog.	4	_____	_____	P-CS 150, C-CS 252
CS 252	Intro to UNIX	1	_____	_____	C-CS 250
GEN ED	Social Science 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 341	Digital System Design	3	_____	_____	P-ECE 241
CS 361	Adv. Data Structures	3	_____	_____	P-CS 250, CS 252
GEN ED	Philosophy Perspective	3	_____	_____	(GEN 101 may be used)

JUNIOR SECOND SEMESTER

ECE 304	Prob. Stat. & Reliab.	3	_____	_____	P-MATH 212
300/400	Approved Elective	3	_____	_____	
ECE 446	Microcontrollers	3	_____	_____	P-ECE 241
CS 350	Software Engineering	3	_____	_____	P-CS 361
ENGL 131C	Technical Writing	3	_____	_____	P-ENGL 110C

SENIOR FIRST SEMESTER

ECE 488	CpE Design I	2	_____	_____	P-ECE 313, 341, 382, 446
ECE 443	Computer Architecture	3	_____	_____	P-ECE 341, 446, P/C-ECE 304, 488
ECE 486	EE Design II	3	_____	_____	P-ECE 313, 382, P/C-ECE 304
Depth	Cluster or Minor	3	_____	_____	
GEN ED	Literature Perspective	3	_____	_____	(GEN 101 may be used)

SENIOR SECOND SEMESTER

ENGN 401	RE Exam	1	_____	_____	
ECE 489W	CpE Design II	3	_____	_____	P-ECE 443, ECE 488, P/C-CS 471
CS 471	Operating Systems	3	_____	_____	P-CS 361, ECE 443
Depth	Cluster or Minor	3	_____	_____	
Depth	Cluster or Minor	3	_____	_____	
Tech Elec	ECE/CS elective	3	_____	_____	

Cluster or Minor: _____ Upper division cluster – 9 hours Minor – minimum of 12 hours

Foreign Language: _____

Advisor Approval: _____

Date: _____