Old Dominion University
B. S. Computer Engineering Curriculum **Name:**_____
Department of Electrical & Computer Engineering
2008-2009 Catalog **UIN:**_____

				Grade	Pre-/Co-requisites
FRESHMAN FIRST SEMESTER					
MATH 211	Calculus I	4	MTH 173,273	_____	P-MATH 163 (MTH 164)
CHEM 115N	Chemistry I	4	CHM 111	_____	C-MATH 102M (MTH 158)
ENGL 110	English Comp I	3	ENG 111	_____	P-pass Placement test
ENGN 110	Engineering & Tech I	2	EGR 120	_____	P-MATH 162M (MTH 164)
GEN ED	Perspective 1	3	See Guide	_____	
FRESHMAN SECOND SEMESTER					
MATH 212	Calculus II	4	MTH 174,274	_____	P-MATH 211 (MTH 173,273)
CS 150**	Intro to Programming	4	CSC 201or EGR 125 OR 126		P-MATH 102M (MTH 158)
PHYS 231N	University Physics I	4	PHY 232, 242	_____	P-MATH 211 (MTH 173, 273)
CHEM 117	Chemistry II	3	_____	_____	P-CHEM 115N (CHM 111)
ENGN 111	Engineering & Tech II	2	_____	_____	P-MATH 162M (MTH 163)

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

SOPHOMORE FIRST SEMESTER					
ECE 200	Engineering Analysis Tools	3	_____	_____	
ECE 201	Circuit Analysis	3	EGR 260, 272	_____	P/C-MATH 307 (MTH 279, 291), PHYS 232N (PHY 232,242)
PHYS 232N	University Physics	4	PHY 232, 242	_____	P-PHYS 231N (PHY 231, 241)
MATH 307(280)	Diff Equations	3	MTH 279, 291	_____	P-MATH 212 (MTH 174, 274)
GEN ED	Perspective 2	3	See Guide	_____	
SOPHOMORE SECOND SEMESTER					
ECE 202	Circuits, Signals & Linear Systems	3	ERG 261, 271	_____	P-ECE 201, (ERG 260, 271) MATH 307 (MTH279, 271)
ECE 287	Fund Circuits Lab	2	EGR 262	_____	P-ECE 201, (EGR 260,271 C-ECE 202 (EGR 261, 272)
ECE 241	Fund of Comp Engineer	4	EGR 277or 270	_____	P-CS 150 , (CS 150 CSC 201/EGR126) P/C-PHYS232N
CS 250	Prob Solving & Prog.	4	CS 202, 210	_____	P-CS 150, C-CS 252 (ITN 171, 172)
CS 252	Intro to UNIX	1	ITN 171, 271	_____	C-CS 250 (CSC 202, 210)
GEN ED	Perspective 3	3	See Guide	_____	
JUNIOR FIRST SEMESTER					
ECE 313	Electronic Circuits	4	_____	_____	P-ECE 202, (EGR 261 272) P/C-241, (EGR 277)284,(EGR 278) C-ECE 382
ECE 341	Digital System Design	3	_____	_____	P-ECE 241, (EGR 277) ECE 284(EGR S78)
CS 361	Adv. Data Structures	3	_____	_____	P-CS 250, (SCS 202, 210) CS 252(ITN 171,271)
ENGL 131C	Intro to Tech & Sci Writ	3	ENG 115, 131	_____	
GEN ED	Perspective 4	3	See Guide	_____	
JUNIOR SECOND SEMESTER					
ECE 304	Prob. Stat. & Reliab.	3	_____	_____	P-MATH 212 (MTH 174, 271)
ECE 3XX	Technical Elective 1	3	_____	_____	
ECE 346	Microcontrollers	3	_____	_____	P-ECE 241, (EGR 177) ECE 284 (278)
CS 451	Software Engineering	3	_____	_____	P-CS 361
Depth	Upper Division Cluster	3	_____	_____	
SENIOR FIRST SEMESTER					
ECE 489W	CpE Design I	3	_____	_____	P-ECE 313, 341, 382, 446
ECE 443	Computer Architecture	3	_____	_____	P-ECE 341, 446, P/C-ECE 304, 488
ECE 4XX	Technical Elective 2	3	_____	_____	P-ECE 313, 382, P/C-ECE 304
Depth	Cluster or Minor	3	_____	_____	_____
GEN ED	Perspective 5	3	See Guide	_____	
SENIOR SECOND SEMESTER					
ENGN 401	FE Review	1			
ECE 486	ECE Design II	3	_____	_____	P-ECE 443, ECE 488, P/C-CS 471
CS 471	Operating Systems	3	_____	_____	P-CS 361, ECE 443
ECE 4XX	Technical Elective 3	3	_____	_____	
ECE 4XX	Technical Elective 4	3	_____	_____	
Depth	Cluster or Minor	3	_____	_____	_____

Cluster or Minor:_____	Upper division cluster – 9 hours		Minor – minimum of 12 hours
Foreign Language:_____	_____	_____	_____
	_____	_____	_____
Advisor Approval:_____	_____	_____	_____
Date:_____	_____	_____	_____