

Bachelor of Science in Computer Engineering

2004-06 Old Dominion University Catalog

NAME: _____

UIN: _____

TELEPHONE: _____

Students earning the AS, AA, or AA&S degree from a Virginia Community College automatically satisfy the lower division general education requirements. **Courses marked with * require a grade of C or better to transfer, even with the AS degree. The remaining lower division courses are automatically satisfied by the AS (including foreign language), regardless of the grade earned.** Additionally, courses in which a grade of AC-A or below was earned will not transfer. Therefore Community College degree holders who satisfy lower general education may require additional credits to meet the 120 credit hour graduation minimum. A minimum overall GPA of 2.00 is required to graduate. **(AS=Associate Degree) Entrance**

Writing Sample Placement Test: _____

Course Number	Course Title	Credits	Transfer
Freshman First Semester (16 Credit Hours)			
MATH 211	Calculus I	_____ 4	_____ *
CHEM 115N	Foundations of Chemistry	_____ 4	_____ *
ENGL 110C	English Comp	_____ 3	_____ *
ENGN 110	Explore Engr & Tech I	_____ 2	_____ *
Gen Ed	Fine & Performing Arts Perspective	_____ 3	_____
Freshman Second Semester (17 Credit Hours)			
MATH 212	Calculus II	_____ 4	_____ *
CS 150	Intro to Programming	_____ 4	_____ *
PHYS 231N	University Physics	_____ 4	_____ *
CHEM 117	Principles of Chemistry	_____ 3	_____ *
ENGN 111	Explore Engr & Tech II	_____ 2	_____ *
Sophomore First Semester (16 Credit Hours)			
ECE 201	Circuit Theory I	_____ 3	_____ *
PHYS 232N	University Physics	_____ 4	_____ *
CS 381	Intro to Discrete Structures	_____ 3	_____ *
MATH 307 (MATH 280)	Differential Equations	_____ 3	_____ *
Gen Ed	History Perspective	_____ 3	_____
Sophomore Second Semester (17 Credit Hours)			
ECE 202	Circuit Theory II	_____ 3	_____ *
ECE 286	Comp Aided Tools in ECE	_____ 1	_____ *
ECE 241	Digital Logic	_____ 3	_____ *
ECE 284	Digital Design Laboratory	_____ 2	_____ *
CS 250	Problem Solving & Programming	_____ 4	_____ *
CS 252	Intro to Unix	_____ 1	_____ *
Gen Ed	Social Science Perspective	_____ 3	_____
Junior First Semester (14 Credit Hours)			
ECE 313	Electronic Circuits	_____ 3	_____
ECE 382	Electronics Lab	_____ 2	_____
ECE 341	Digital System Design	_____ 3	_____
CS 361	Adv Data Structures & Algorithms	_____ 3	_____
Gen Ed	Philosophy Perspective	_____ 3	_____
Junior Second Semester (15 Credit Hours)			
ECE 304	Probability, Statistics, & Reliability	_____ 3	_____
ECE 323	Electromagnetics		
or ECE 302	Linear Systems		
or ECE 332	Microelectronics Mat & Processes	_____ 3	_____
ECE 446	Microcontrollers	_____ 3	_____
CS 350	Intro To Software Engineering	_____ 3	_____
ENGL 131C	Intro to Tech & Scien Writing	_____ 3	_____
Senior First Semester (14 Credit Hours)			
ECE 488	Computer Engineering Design I	_____ 2	_____
ECE 443	Computer Architecture	_____ 3	_____
ECE 486	Senior Design	_____ 3	_____
Depth	Upper Division Cluster	_____ 3	_____
Gen Ed	Literature Perspective	_____ 3	_____
Senior Second Semester (16 Credit Hours)			
ENGN 401	FE Review	_____ 1	_____
ECE 489W (Meets oral communication requirement)	Computer Engineering Design II	_____ 3	_____
CS 471	Operating Systems	_____ 3	_____
Depth Upper Division Cluster		_____ 3	_____
Depth Upper Division Cluster		_____ 3	_____
Technical ECE/CS Technical Elective		_____ 3	_____
Total Credits		125	

Additional Graduation Requirements:

Foreign Language Requirement: _____ Senior Assessment: _____

Application for Graduation: _____ Passage of Exit Writing Exam _____

This curriculum does not include the University's foreign language general education requirement. Students may need additional hours to meet this perspective. The computer literacy requirement is met through the major courses; ECE 489W meets the general education oral communication requirement, and the technology requirement is met through the major.