

2014 - 2015 Old Dominion University Catalog

Bachelor of Science in Computer Engineering (with VCCS Equivalencies)

*Sample four year curriculum with a suggested ordering of courses. Students may re-order as needed.
* indicates not automatically waived with transferrable associates degree, C or better required for transfer.*

YEAR 1 - FRESHMAN (33 CREDITS)

FALL SEMESTER (16 credits)		SPRING SEMESTER (17 credits)	
<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>	<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
ENGN 110	EGR 120*	ECE 111	Dept. approval upon admission
CHEM 121N/122N	CHM 111*	CHEM 123N	CHM 112*
MATH 211	MTH 173 or 271*	MATH 212	MTH 174 or 274*
ENGL 110C (C or better required)	ENG 111*	CS 150	CSC 201, EGR 125 or EGR 126* See Monarch Transformation to ensure your institution's course will transfer.
COMM 101R	CST 100, 105 or 110*	PHYS 231N	PHY 231 or 241*

YEAR 2 - SOPHOMORE (33 CREDITS)

FALL SEMESTER (17 credits)		SPRING SEMESTER (16 credits)	
<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>	<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
MATH 307	MTH 279 or 291*	ECE 202	EGR 261 or 272*
ECE 201	EGR 260 or 271*	ECE 287	EGR 262*
ECE 241	EGR 277*	CS 250	CSC 202 or 210*
PHYS 232N	PHY 232 or 242*	CS 252	ITN 171 and 172*
Literature	See Transfer Guide	Human Creativity	See Transfer Guide
		ENGL 231C (C or better required)	ENG 115 or 131*

YEAR 3 - JUNIOR (31 CREDITS)

FALL SEMESTER (16 credits)		SPRING SEMESTER (15 credits)	
<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>	<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
ECE 302		ECE 304	
ECE 313 (4 credits)		ECE 346	
ECE 341		CS 350	
CS 361		ECE Technical Elective	
ECE 381		CS 381	

YEAR 4 - SENIOR (32 CREDITS)

FALL SEMESTER (18 credits)		SPRING SEMESTER (14 credits)	
<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>	<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
ECE 484W (C or better required)		ECE 487 (2 credits)	
ECE 486 (2 credits)		CS 471	
ECE 443		ECE Technical Elective	
ECE Technical Elective		ECE Technical Elective	
ENMA 480**		Human Behavior	See Transfer Guide
Interpreting the Past	See Transfer Guide		

TOTAL CREDIT HOURS: 128

This curriculum sheet does not include the University's General Education Language and Culture requirement. Additional hours may be required.

** Meets philosophy and ethics general education requirement.

The General Education requirements in Information Literacy and Research, Impact of Technology and Philosophy and Ethics are met through the major. The upper-division General Education requirement is met through a built in minor in computer science.

The Upper Division General Education requirement is met through the built-in minor in Computer Science.

Electrical engineering majors must earn a grade of C or better in all 200 level ECE courses prior to taking the next course in the sequence.

Requirements for graduation include a minimum cumulative grade point average of 2.00 overall and in the major, a grade of C or better in all courses required for the major, including prerequisite courses, 120 credit hours, which must include both a minimum of 30 credit hours overall and 12 credit hours in upper-level courses in the major program from Old Dominion University, completion of ENGL 110C, ENGL 211C or 221C or 231C, and a writing intensive (W) course in the major with a grade of C or better, and completion of Senior Assessment.