

2014 - 2015 Old Dominion University Catalog

Bachelor of Science in Electrical 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 Coursework:</u>	<u>VCCS Equivalency:</u>	<u>General Education 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 273*	MATH 212	MTH 174 or 274*
			CSC 201, EGR 125 or EGR 126*
ENGL 110C (C or better required)	ENG 111*	CS 150	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 (32 CREDITS)

FALL SEMESTER (17 credits)		SPRING SEMESTER (15 credits)	
<u>General Education Coursework:</u>	<u>VCCS Equivalency:</u>	<u>General Education 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&278* or EGR 270*	Literature	See Transfer Guide
PHYS 232N	PHY 232 or 242*	MATH 312	MTH 275 or 277*
Interpreting the Past	See Transfer Guide	Human Creativity	See Transfer Guide

YEAR 3 - JUNIOR (31 CREDITS)

FALL SEMESTER (16 credits)		SPRING SEMESTER (15 credits)	
<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>	<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>
ECE 302		ECE 304	
ECE 303		ECE 387	
ECE 313		ECE 323	
ECE 332		ENGL 231C (C or better required)	
ECE 381		Non-major Engineering Elective	

YEAR 4 - SENIOR (31 CREDITS)

FALL SEMESTER (17 credits)		SPRING SEMESTER (14 credits)	
<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>	<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>
ECE 485W (C or better required)		ECE 487	
ECE 486		ECE Technical Elective	
ECE Technical Elective		ECE Technical Elective	
ECE Technical Elective		Human Behavior	See Transfer Guide
ENMA 480**		Upper Division General Education	
Upper Division General Education			

TOTAL CREDIT HOURS: 127

Does not include the University's General Education Language and Culture Requirement. Additional Hours may be required.

The General Education requirements in Information Literacy and Research, Impact of Technology, and Philosophy and Ethics are met through the major.

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.