

2021 - 2022 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. Courses in green are waived by the completion of an Associate degree (Not eligible for Applied Associate degrees). AS in Engineering is recommended for ease of transfer.*

YEAR 1 - FRESHMAN (33 CREDITS)

FALL SEMESTER (16 credits)

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
ENGN 110	EGR 121, 120, or 124*
CHEM 121N/122N	CHM 111*
MATH 211	MTH 173, 263, or 273*
ENGL 110C (C or better required)	ENG 111*
COMM 101R	CST 100, 105 or 110*

SPRING SEMESTER (17 credits)

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
ECE 111	EGR 122, or ITE 119*
CHEM 123N	CHM 112*
MATH 212	MTH 174, 264, or 274*
ENGN 150 or CS 150	ITP 132, CSC 201, EGR 125 or EGR 126*
PHYS 231N	PHY 231 or 241*

YEAR 2 - SOPHOMORE (32 CREDITS)

FALL SEMESTER (17 credits)

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
MATH 307 (280)	MTH 267, 279 or 291*
ECE 201**	EGR 260 or 271*
ECE 241	EGR 270 or 277*
PHYS 232N	PHY 232 or 242*
ENGL 231C (C or better required)	ENG 115 or 131*

SPRING SEMESTER (15 credits)

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
ECE 202**	EGR 261 or 272*
ECE 287**	EGR 262*
Non-major Engineering Elective	
MATH 312 (285)	MATH 265, 275 or 277*
Interpreting the Past	Transfer Guide

YEAR 3 - JUNIOR (31 CREDITS)

FALL SEMESTER (16 credits)

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
ECE 302	
ECE 303	
ECE 313	
ECE 332	
Human Creativity	Transfer Guide

SPRING SEMESTER (15 credits)

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
ECE 304	
ECE 323	
ECE 381	
ECE 387	
Literature	Transfer Guide

YEAR 4 - SENIOR (31 CREDITS)

FALL SEMESTER (17 credits)

<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>
ECE 485W (C or better required)	
ECE 486	
ECE Technical Elective	
ECE Technical Elective	
ENMA 480 (Satisfies Philosophy and Ethics)	
Upper Division General Education	

SPRING SEMESTER (14 credits)

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
ECE 487	
ECE Technical Elective	
ECE Technical Elective	
Human Behavior	Transfer Guide
Upper Division General Education	

TOTAL CREDIT HOURS: 127

This 4-year plan does not include 6 credits in Language and Culture, but this requirement may be waived; see ODU catalog for details.

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.

***From John Tyler Community College only: EGR 251 = ECE 201; EGR 261 = ECE 202; EGR 255 + EGR 263 = ECE 287*

& from Germanna Community College: EGR 251 = ECE 201; EGR 252 = ECE 202; EGR 255 + EGR 261 = ECE 287

& from Northern Virginia Community College: EGR 251 = ECE 201; EGR 252 = ECE 202; EGR 265 = ECE 241

Requirements for graduation include a minimum cumulative grade point average of 2.00 overall and in the major and 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.