2024 - 2025 Old Dominion University Catalog
Electrical Engineering (BSEE) Dual Degree with Computer Engineering (BSCE) (with VCCS Equivalencies)

The five-year plan is a suggested curriculum to complete this degree program in five years. It is just one of several plans that will work and is presented only as broad guidance to students. Each student is strongly encouraged to develop a customized plan in consultation with their academic advisor. Additional information can also be found in Degree Works. Students seeking two degrees must complete a minimum of 150 credit hours.

YEAR 1 - FRESHMAN (30 CREDITS)

FALL SEMESTER (15 credits)		SPRING SEMESTER (15 credits)	
General Education and Major Coursework:	VCCS Equivalency:	General Education and Major Coursework:	VCCS Equivalency:
ENGN 121	(EGR 121 + ITE 152)* or waived w/ AS	COMM 101R	Transfer Equivalency Guide
CHEM 121N/122N**	CHM 111 or (CHEM 111 +112+ 113)*	MATH 212	MTH 174, 264, or 274*
MATH 211	MTH 173, (MTH 175 + 176), 263, or 273*	ENGN 122	EGR 125 or 126*
ENGL 110C	ENG 111 or ENGL 114*	PHYS 231N	PHY 221, 231, or 241*

YEAR 2 - SOPHOMORE (36 credits)

FALL SEMESTER (19 credits)		SPRING SEMESTER (17 credits)	
General Education and Major Coursework:	VCCS Equivalency:	General Education and Major Coursework:	VCCS Equivalency:
MATH 307 (280)	MTH 267, 279, 289 or 291*	ECE 202	See below*
ECE 201	See below*	ECE 287	See below*
CS 381	MTH 288*	ECE 241	EGR 265 (NOVA only), 270, or
PHYS 232N	PHY 222, 232 or 242*	MATH 312 (285)	MATH 265, 275 or 277*
ENGL 231C	ENG 113, 115, 131, or 137*	ECE 250	CS 210 or ITP 232*
Human Creativity	Transfer Equivalency Guide	CS 252	ITN 171 or 271*

YEAR 3 - JUNIOR (36 CREDITS)

FALL SEMESTER (17 credits)		SPRING SEMESTER (19 credits)	
General Education and Major Coursework:	VCCS Equivalency:	General Education and Major Coursework:	VCCS Equivalency:
ECE 302		ECE 303	
ECE 304		ECE 313	
ECE 461		ECE 346	
ECE 341		ECE 381	
CS 261		CS 361	CS 361* (PVCC only)
Interpreting the Past	Transfer Equivalency Guide	ECE 451	

YEAR 4 - SENIOR (35 CREDITS)

FALL SEMESTER (17 credits)		SPRING SEMESTER (18 credits)	
Major Coursework:	VCCS Equivalency:	General Education and Major Coursework:	VCCS Equivalency:
ECE 342		ECE 482	
ECE 323		CS 350 or CS 330	
ECE 481W		CS 471	
ECE 443		ENMA 480	
ECE 332		Human Behavior	Transfer Equivalency Guide
ECE 355		Literature	Transfer Equivalency Guide

TOTAL CREDIT HOURS: 136

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 & Computer Engineering majors must earn a grade of C or better in all 200-level ECE courses and all CS courses prior to taking the next course in the sequence.

**CHEM 120 is the equivalent to CHEM 122N for Online students only.

Students seeking two degrees must complete a minimum of 150 credit hours.

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 231C, and a writing intensive (W) course in the major with a grade of C or better, and completion of Senior Assessment.

VCCS Equivalencies Continued

(ECE 201, 202 & 287) = (EGR 271 + 272)

ECE 201 = EGR 260
ECE 201 = EGR 271
ECE 201 = EGR 251 (Brightpoint CC/NOVA/GCC/PVCC only)

ECE 202 = EGR 252, EGR 261, EGR 272
ECE 287 = (EGR 255 +261) GCC only
ECE 287 = (EGR 255 + 263) Brightpoint CC only
ECE 287 = EGR 262