

2025 - 2026 Old Dominion University Catalog

Bachelor of Science in Computer Engineering(BSCE) (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 (30 CREDITS)

FALL SEMESTER (15 credits)		SPRING SEMESTER (15 credits)	
<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>	<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
ENGN 121	(EGR 121 + ITE 152)* or waived w/ AS	COMM 101R	Transfer Equivalency Guide
CHEM 121N/122N**	CHM 111*	MATH 212	MTH 264*
MATH 211	MTH (MTH 261+262) or 263*	ENGN 122	EGR 125, 126 or CSC 221*
ENGL 110C	ENG 111 or ENGL 114*	PHYS 231N	PHY 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 (280)	MTH 267 or 289 *	ECE 202	See Below*
ECE 201	See Below*	ECE 287	See Below*
ECE 241	EGR 265 (NOVA only), 270, or 277*	ENGL 211C	ENG 112 or ENGL 115*
PHYS 232N	PHY 242*	CS 252	ITN 171 or 271*
ECE 250	CSC 210 or ITP 232*	CS 261	
		CS 381	CSC 208 or MTH 288*
		Literature	Transfer Equivalency Guide

YEAR 3 - JUNIOR (32 CREDITS)

FALL SEMESTER (15 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>
ECE 341		ECE 355	
ECE3XX^		ECE 342	
CS 361	CSC 223 (PVCC only)*	ECE 346	
ECE 304		ECE 381	
Human Creativity	Transfer Equivalency Guide	Technical Elective***	
		CS 330 or CS 350	

YEAR 4 - SENIOR (27 CREDITS)

FALL SEMESTER (15 credits)		SPRING SEMESTER (12 credits)	
<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>	<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
ECE 481W		ECE 482	
ECE 443		CS 471	
ENMA 480		Technical Elective***	
Technical Elective***		Human Behavior	Transfer Equivalency Guide
Interpreting the Past	Transfer Equivalency Guide		

TOTAL CREDIT HOURS: 122

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.

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

Computer Engineering majors (BSCOME) 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.

Minor: This program automatically satisfies a minor in Computer Science.

^ECE 3XX is a restrictive elective. Must be chosen from the following: ECE 302 or ECE 306 or ECE 350 or ECE 314

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

***Computer Engineering major students need three technical elective courses selected from one of three options: (1) four 400-level ECE technical elective courses; (2) three 400-level ECE technical elective courses and one 300-level ECE technical elective course or one approved 300- or 400-level CS/MATH/ENGN course; (3) two 400-level ECE technical elective courses and one approved 300- or 400-level CS course and one approved 300- or 400-level CS/MATH/Engineering course.

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 261, EGR 272 or EGE 252 (Nova/Germanna Only)

ECE 287 = (EGR 255 +261) GCC only

ECE 287 = (EGR 255 + 263) Brightpoint CC only

ECE 287 = EGR 262