Old Dominion University BS in Electrical Engineering
Associate Transfer Degree Plan in Electrical Engineering

COURSE REQUIREMENTS

Complete at VCCS				Complete at ODU		
BACHELOR'S DEGREE REQUIREMENT	**SATISFIED BY**			**BACHELOR'S DEGREE REQUIREMENT**		
Course	Credits	CC Course	Notes	Course	Credits	Notes
UNIV 100	1-2	SDV 100 or 101		ECE 287	3	Could be completed at VCCS (if offered): EGR 262
ENGL 110C	3	ENG 111		ECE 302	3	
ENGL 211C or 231C	3	ENG 112 or 113	ENG 115 is equivalent to ENG 231C if ENG 113 is not offered at the VCCS	ECE 303	3	
Gen Ed: Liberal Arts	3	Any UCGS Humanities or Literature course	These courses must come from two different disciplines.	ECE 313	4	
Gen Ed: Liberal Arts	3	Any UCGS Art, Humanities, or Literature course		ECE 332	3	
Gen Ed: Interpreting the Past (H)	3	Any UCGS History		ECE 304	3	
Gen Ed: Human Behavior (S)	3	Any UCGS Social & Behavioral Science		ECE 461	3	
MATH 211	4	MTH 263		ECE 323	3	
MATH 212	4	MTH 264		ECE 381	3	
MATH 312 (285)	4	MTH 265		ECE 451	3	
MATH 307/280	3	MTH 267		ECE 485W	3	

PHYS 231N	4	PHY 241		ENMA 480	3	
PHYS 232N	4	PHY 242		ECE 487	3	
CHEM 121N/122N	4	CHM 111		ECE Technical Elective	12	
ENGN Elective	2	EGR 121	Waived with the completion of an AS. If students do not earn an AS, EGR 121 will transfer to ODU as an elective	300-400 Level Non-Engineering Elective	6	
ENGT 230	3-4	EGR 122 or CSC 222	If student's plan to take CSC 222, they must take CSC 221 beforehand	COMM 101R	3	Could be completed at VCCS: CST 100
ENGN 122	3	EGR 125 or CSC 221				
ECE 241	4	EGR 270				
ECE 201^	4	EGR 271	^EGR 271 + EGR 272 = ECE 201 (3 cr), ECE 202 (3 cr), & ECE 287 (2 cr) requirements.			
ECE 202^	4	EGR 272	^EGR 271 + EGR 272 = ECE 201 (3 cr), ECE 202 (3 cr), & ECE 287 (2 cr) requirements.			
CREDITS PRE-TRANSFER: 66-68				**CREDITS POST-TRANSFER: 61**		

TRANSFER GUIDANCE

Guaranteed Admission Agreement to ODU

Students who meet the prescribed curriculum and the criteria below are guaranteed admission into Old Dominion University.

This agreement does not guarantee your enrollment in any specific major.

- Earn a transferable associate degree (Associate of Arts, Associate of Science, and Associate of Arts and Science at approved institutions only)
- Students may submit a [Letter of Intent](#) to Transfer after completion of 15 transferrable credits, 2.5 or higher GPA, and before 90 days prior to graduation from a VCCS institution
- Graduate with a minimum 2.5 cumulative GPA
- Earn a grade of "C" or higher in each community college course applicable to the transfer-oriented associate degree program
- Enroll at ODU within one year of completing the transfer-oriented associate degree

Please visit the TransferVirginia.org portal to find course requirements for different majors (Transfer Tools) and **Transfer Guides** that outline course requirements for specific majors. (Resource Center)

See the [VCCS Transfer Programs](#) page for more details in our Guaranteed Admission Agreement.

IMPORTANT LINKS & DATES:

- **University Transfer Center:** https://www.odu.edu/transfer
- **Intent to Transfer:** Submit a Letter of Intent 90 days prior to graduation from a VCCS institution to ODU. You can review more information about the process at https://www.odu.edu/transfer/guaranteed-admission

- **Admission Application:** Priority deadline by August 1 for Fall Admission and by October 1 for Spring Admission. The application for admission can be found here: https://www.odu.edu/apply/applications
- **Financial Aid:** ODU Financial Aid
- **FAFSA -** Free Application for Federal Student Aid

WHAT SHOULD I CONSIDER WHEN SELECTING COURSES?

- Connect with a pre-transfer advisor if you are considering transferring to ODU. Contact them at transfercenters@odu.edu during your final year at the VCCS
- Create a schedule for all required courses, pay attention to prerequisites and when courses are offered, complete your first math and English courses in your first year. For help, see Transfer Steps and Resource Center at www.TransferVirginia.org
- Connect with an advisor at your community college and Old Dominion University within your first year. College Connect available in your account at www.TransferVirginia.org

IS THIS DEGREE RIGHT FOR ME?

- The Bachelor of Science degree in Electrical Engineering (BSEE) is accredited by the Engineering Accreditation Commission of ABET.
- BSEE program provides a solid foundation in networks, linear systems, electronics, electromagnetics, digital systems, and physical electronics.
- Focus your elective freedom with a concentration in Computer Hardware Systems, Data Analytics Engineering, Physical Electronics, Power & Renewable Energy, or Systems & Automation Engineering.
- Consider a minor in Computer Engineering or Biomedical Engineering.
- Options to gain course credit for internship experiences and/or undergraduate research experiences.
- Consider a double degree with Computer Engineering or Physics (150+ credit hours).
- Learn more about the BSEE degree and ECE Undergraduate Programs: https://www.odu.edu/ece/academics/undergraduate

WHAT IS THE IMPACT ON MY DEGREE OF WORK I HAVE ALREADY COMPLETED?

- **Associate Transfer Degree Completion:** Lower Division General Education Requirements will be waived for transferable associate degrees. Students completing an AS in General Studies degree recognized by SCHEV are eligible for the waiver as long as they are completing a transfer degree approved by SCHEV at a VCCS.
- **Dual Enrollment – Completion of Associate Degree in HS:** The GAA at ODU applies to students who have earned an associate degree during high school. Students should apply as a freshman applicant and will receive the benefits associated with the transferable associated degree if admitted.
- **Credit for Prior Learning:** ODU accepts credits from prior learning to include AP, IB, CLEP, and Cambridge Advanced A/S.
- **Catalog Year:** Undergraduate students may choose to graduate under the catalog in effect of their first enrollment at ODU or any subsequent catalog provided that the students graduate within six years from the date of first enrollment.

IS THIS COLLEGE RIGHT FOR ME?

- Old Dominion University's waterfront campus is in the coastal city of Norfolk, VA, home to the world's largest U.S. Navy base. From internship opportunities with some of the world's top companies, to great shopping and dining, to beautiful beaches and historic sites, there's always something to discover.
- ODU's 337-acre campus with 3 higher education centers off campus, is the region's only public urban research university. It has both on-campus and off-campus housing options for almost 24,000 students, and a 16:1 faculty ratio.
- ODU is highly ranked among one of the best public higher education institutions in Virginia for Military Vets.
- Transfer students make up 40% of the undergraduate population.

Learn more about our college at www.TransferVirginia.org

DID YOU KNOW THAT…

- Completing your Associate transfer degree post-high school satisfies all lower division general education requirements and increases the chance of completing your bachelor's degree?
- Exceeding 3 years or 90 credits at your community college means you may have exhausted your financial aid at that college and have limited your future financial aid at ODU?

WHAT CAN I DO WITH THIS DEGREE?

Explore possible careers, salaries, and job outlook at www.TransferVirginia.org

PROGRAM SUCCESSES & HIGHLIGHTS

- The Electrical and Computer Engineering (ECE) department has research laboratories focusing on Applied Plasma Technology; Cybersecurity, Communications and Networking Innovation; Microelectronics and Thin Film Devices; Medical Imaging, Diagnosis, and Analysis; Power Research; Systems Analysis of Metabolic Physiology; Systems Research; Virginia Institute for Photovoltaics and Vision Lab
- ECE faculty support University centers such as the Applied Research Center, the Frank Reidy Center of Bioelectrics, and the Virginia Modeling, Analysis, and Simulation Center
- Additional research facilities in the Hampton Roads area with ECE faculty collaboration include the National Institute of Aerospace, NASA Langley Research Center and Jefferson Lab

WHAT ARE MY CHANCES FOR GETTING ACCEPTED?

As of current data from Fall 2024, ODU's acceptance rate for transfer students is approximately 99%

Learn more about applying at www.TransferVirginia.org

DO MORE WITH YOUR DEGREE!

- BSEE students can apply for the ECE or BME Graduate Program through a linked BS/MS, BS/ME, or BS/PhD Program.
- Continue involvement in the Institute of Electrical and Electronics Engineers (IEEE) from the student branch to the national organization.

OTHER THAN CLASSES, ARE THERE OTHER PROGRAM REQUIREMENTS?

- Students are required to complete 123 credit hours in order to graduate with a BSEE degree
- All ODU engineers complete a senior design project, incorporated into required courses during the senior year. Learn more about past and current ECE senior design projects: https://www.odu.edu/ece/students/undergraduate/ece-culminating-design-experience
- All students in this program are strongly encouraged to participate in internships and/or undergraduate research projects.
- Leadership, Entrepreneurship, and Service Learning Experiences for undergraduate students are available through the LeADERS program. To learn more visit: https://www.odu.edu/asis/leaders