

TRANSFER GUIDE

Catalog Years: 2025-2027

Norfolk State University BS in Electrical & Electronics Engineering

Associate Transfer Degree Plan in Electrical Engineering

COURSE REQUIREMENTS

Complete at VCCS
Complete at NSU/Engineering

BACHELOR'S DEGREE REQUIREMENT		SATISFIED BY	Notes	BACHELOR'S DEGREE REQUIREMENT		SEMESTER SCHEDULE				Notes
Course	Credits	CC Course		Course	Credits	1	2	3	4	
Spartan Seminar Series: SEM 101 (1 credit), SEM 102 (1 credit), and SEM 201 (1 credit)	1-2	SDV 100 or 101	Students will receive 1 or 2 credits based on the number of credits transferred from the VCCS course. Students may need to take SEM 201 or additional 1 or 2 credits at NSU to meet the minimum credit hours required for graduation.	EEN 211	3		x			Materials Science & Engineering
ENG 101	3	ENG 111		EEN 301	3	x				Electronics
ENG 102	3	ENG 112 or 113		EEN 301L	1	x				Electronics Laboratory
				EEN 305	3	x				Signals and Systems
PED 100 and HED 100	3	Any UCGS Humanities, Social Science, Fine Arts, or Lit		EEN 311	3		x			Engineering Economics
ENG 207, FIA 201, or MUS 301	3	Any UCGS Humanities, Social Science, Fine Arts, or Lit	This course must come from a different group than prior requirement.	EEN 321	3	x				Electromagnetic Field Theory
HIS 101 or HIS 103	3	Any UCGS History		EEN 371	3		x			Control Systems
SOC 101, BUS 175, or ECN 200	3	Any UCGS Social and Behavioral Science		EEN 401	1			x		Senior Seminar
MTH 184	4	MTH 263		EEN 431	3				x	Microcontrollers
MTH 251	4	MTH 264		EEN 451	3			x		Communication Systems
MTH 252	4	MTH 265		EEN 498	3			x		Senior Project I
MTH 372	3	MTH 267		EEN 499	3				x	Senior Project II
PHY 160 and PHY 160L	4	PHY 241		Engineering Elective	9		x	x	x	3XX or 4XX Engineering courses

PHY 161 and PHY 161L	4	PHY 242		Technical Elective	3					x	3XX or 4XX Engineering or Science course
CHM 210	3	CHM 111	NSU is 5 credits, 1 credit substituted from math/sciences.	MTH 300	3	x					Linear Algebra
EEN 101	2	EGR 121		MTH 351	3				x		Probability and Statistics
EEN 100	3	EGR 122 Preferred		Unrestricted Elective	3					x	Student may also complete any 3 credits that have not already been used.
CSC 170	3	EGR 125 or CSC 221		ENG 285	3						A Course in Public Speaking is a Gen Ed requirement. This can be taken at the community college if possible (CST 100 or CST 110)
EEN 231 and EEN 231L	4	EGR 270		ENG 383, MUS 234 (Humanities, 3 credits) HIS 335, HIS 336, HRP 320, HIS 371 (Social Science, 3 credits)	6						Two courses from this group are required to satisfy the University's cultural perspectives requirement and are considered upper-division gen. ed. courses.
EEN 201 and EEN 201L	4	EGR 271									
EEN 202 and EEN 202L	4	EGR 272									
CREDITS PRE-TRANSFER: 65					CREDITS POST-TRANSFER: 63						

TRANSFER GUIDANCE

Guaranteed Admission Agreement between NSU and the VCCS

This degree program is covered by NSU's Guaranteed Admission Agreement.

By meeting the following criteria, you are guaranteed admission to the B.S. in Electrical and Electronics Engineering:

- Earn a transfer associate degree based on the Engineering curriculum.
- Earn a minimum of 2.0 GPA for the associate degree.
- A maximum of 63 credits will transfer and apply toward the B.S. in Electrical and Electronics Engineering degree requirements.
- Submit your transfer application for admission by March 1, including an unofficial transcript.
- Request an official transcript to be sent upon completing the associate degree.
- Transfer within four years of first enrolling at the community college and within one year of completing the appropriate associate degree.

Please visit the www.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.

No letter of intent is required to apply for guaranteed admission.

This transfer guide shows an optimal path to a bachelor's degree in Electrical and Electronics Engineering at Norfolk State University. Completing the coursework above will position you to transfer to NSU in Electrical and Electronics Engineering with junior standing and the potential to graduate in two years. If you complete the associate degree but haven't taken all of the recommended courses, you may still be able to pursue an Electrical and Electronics Engineering degree at NSU, but your time to graduation may be impacted.

IMPORTANT LINKS & DATES:

- **University Transfer Center:** Transfer Admissions & Services <https://www.nsu.edu/transfer>
- **Register Intent to Transfer:** By the end of your first semester at the Community College through College Connect at www.TransferVirginia.org
- **Admission Application:** By May 1 at <https://www.nsu.edu/Admissions-Aid/Apply-Online>
- **Financial Aid:** <https://www.nsu.edu/tuition-and-financial-aid>
- **FAFSA - Free Application for Federal Student Aid:** By October 1 at <https://studentaid.gov/h/apply-for-aid/fafsa>

WHAT SHOULD I CONSIDER WHEN SELECTING COURSES?

- Engineering majors must meet prerequisites or their equivalents prior to enrolling in more advanced Engineering courses.

- All math and English courses must be completed prior to the start of the student's last semester.
- 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 www.TransferVirginia.org.
- Connect with an advisor at your community college and the NSU Engineering Department within your first year. College Connect available in your account of www.TransferVirginia.org.

IS THIS DEGREE RIGHT FOR ME?

- Engineering graduates are highly sought and annually place among the top five by discipline in starting salary.
- The undergraduate Engineering degree can support careers in technical areas, as well as careers in business, medicine, and patent law.
- Engineering professionals have the privilege of working to advance technology through research and development while participating in the work of securing the future of our nation and planet.

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

- **Associate Transfer Degree Completion:** Completion of a transfer-level associate degree satisfies all lower-division general education requirements.
- **Dual Enrollment – Completion of Associate Degree in HS:** The agreement of guaranteed admission into the college applies to students earning an associate degree concurrent with high school who have completed a transfer-approved degree with a minimum of 45 credits completed through a Virginia Community College, with a GPA of 2.0 or higher and that meets all requirements outlined in the Transfer Guide.
- **Credit for Prior Learning:** All course credits that were awarded by the two-year institution for equivalent prior learning experiences (IB, AP, CLEP, Military, etc.) will transfer based on the transfer equivalence for the course awarded.
- **Catalog Year:** Catalog year is determined by the first semester of attendance at the community college post high school graduation. For students maintaining continuous enrollment, this entitlement will be in effect for a minimum of four years from the time of the student's first enrollment at the two-year institution. Students must enroll at the four-year institution within one year of completing their associate degree.

IS THIS COLLEGE RIGHT FOR ME?

- NSU is a closely knit community with small class sizes and personal attention for students.
- The Engineering Department features a small faculty-to-student ratio, and every student receives focused attention and guidance. The department administers undergraduate programs in Optical Engineering and Electrical and Electronics Engineering.
- The Engineering department features multiple professional society student chapters, including National Society of Black Engineers (NSBE), Society of Women Engineers (SWE), Institute of Electrical and Electronic Engineers (IEEE), and the Society of Optical Engineering (SPIE).
- NSU has established agreements through the Academic Common Market to allow residents from the District of Columbia, Maryland, Delaware, South Carolina, or Georgia majoring in Optical Engineering to attend NSU at in-state tuition rates.

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?
- According to studies from 2016-2020, more than 25% of Fortune 500 CEOs have engineering degrees?
- 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 Norfolk State University?

WHAT CAN I DO WITH THIS DEGREE?

- Explore possible careers, salaries, and job outlook at www.TransferVirginia.org
- Electrical and Electronics Engineering graduates are well placed in the labor force with high paying jobs. Further information can be found at: <https://www.bls.gov/ooh/architecture-and-engineering/electrical-and-electronics-engineers.htm#tab-5>
- Many Engineering graduates go on to pursue degrees in management, technology policy, medicine, and patent law.

PROGRAM SUCCESSES & HIGHLIGHTS

- The Engineering Department manages world-class laboratory facilities to support state-of-the-art research and education, including the Micron-NSU Nanofabrication Cleanroom where students gain practical experience in the use of micro- and nanoscale fabrication tools.
- Engineering program students are able to work with faculty throughout the academic year and summers on exciting research projects, and they participate in professional meetings where they are able to showcase their work and network with peers.
- The Engineering programs at Norfolk State receive substantial scholarship support through the U.S. Office of Civil Rights and multiple industry partners.
- Engineering faculty receive annual research funding in excess of 2 million dollars.
- The Engineering Department features multiple named state-of-the-art laboratories, including the Micron Technologies sponsored Micron-NSU Nanofabrication Facility and the Keysight Electronics Engineering Laboratory.
- The Engineering Department has maintained full ABET accreditation since its inception in 2006.

WHAT ARE MY CHANCES FOR GETTING ACCEPTED?

- Each year about 34.47% of transfer students apply to enter NSU as a transfer student in the College of Science, Engineering, and Technology (CSET). Approximately 17.45% are offered admissions/admitted. The average GPA of transfer students enrolling is 2.81.
- Learn more about applying at www.TransferVirginia.org

DO MORE WITH YOUR DEGREE!

- Secure high paying jobs in high-tech industries, including semiconductor fabrication and design, renewable energy, biotechnology and biomedicine, automation and control, science and technology policy, and space, energy, and defense research at National Labs.
- Pursue graduate studies at NSU or any other universities in the States or abroad.
- Combine your technical background with additional studies in business, medicine, or law.
- Join professional organizations and societies to serve communities at various capacities in the States and around the world.

OTHER THAN CLASSES, ARE THERE OTHER PROGRAM REQUIREMENTS?

- All students must complete a minimum of 128 credit hours.
- Overall GPA on all Norfolk State University courses must be at least 2.0.
- Overall GPA on courses designated in major and taken at Norfolk State University must be at least 2.0.