

Bachelor of Science in Electrical Engineering

Associate Transfer Degree Plan in Engineering

COURSE REQUIREMENTS

Complete at VCCS				Complete at Virginia Tech					
BACHELOR'S DEGREE REQUIREMENT		SATISFIED BY		BACHELOR'S DEGREE REQUIREMENT		1 st sem (fall)	2 nd sem (spring)	3 rd sem (fall)	4 th sem (spring)
Course	Credits	CC Course	Notes	Course	Credits	Notes			
VT 1XXX	1-2	SDV 100 or 101		ECE 2214	3				
ENGL 1105	3	ENG 111		ECE 2564	3				
ENGL 1106	3	ENG 112		ECE 2714	3				
Pathways Concept 2	3	Any UCGS Art or Humanities		ECE 2804	2				
Pathways Concept 2	3	Any UCGS Art, Humanities, or Lit	This course must come from a different group than prior requirement.	STAT 4714	3				
Pathways Concept 3	3	Any UCGS History		ECE 3004	3				
Pathways Concept 3	3	Any UCGS Social/Behav Science	This course may not be a history course.	ECE 3074	1				
MATH 1225	4	MTH 263		ECE 3105	3				
MATH 1226	4	MTH 264		ECE 3704	3				
MATH 2114	3	MTH 266		ECE 3204	3				
MATH 2214	3	MTH 267		ECE 3274	1				
PHYS 2305	4	PHY 241		ECE 3106	3				
PHYS 2306	4	PHY 242		ECE 3304	3				
CHEM 1035/1045	4	CHM 111		ECE 3354	1				
ENGE 1215	3	EGR 121		ECE 3614	3				
ENGE 1216	3	EGR 122		Math elective	3				

ECE 1004 + ECE 2514 (combined with EGR 125)	4	EGR 125		ECE 4805	ECE 4806	3, 3	
ECE 2544	4	EGR 270		Secondary Focus Area course		9	Three separate courses
ECE 1004 + ECE 2514 (combined with EGR 125)	4	EGR 271		Free Elective		6	Fill in schedule as needed
ECE 2024	4	EGR 272		MATH 2204		3	can be taken at VCCS (MTH 265)
CREDITS PRE-TRANSFER: 66 - 67				CREDITS POST-TRANSFER: 65 (for degree total of 129)			

TRANSFER GUIDANCE

Guaranteed Admission Agreement

Students who complete the prescribed curriculum and meet the criteria below are guaranteed admission into Virginia Tech and directly into the Electrical Engineering Major:

- Earn a transfer associate degree AS in Engineering (or AS/AA&S in Science with Specialization in Engineering)
- Earn a minimum of 3.2 GPA for the associate degree.
- Applicants for this major can be guaranteed for the Spring, Summer, or Fall entry terms.
- Register your intent in the Transfer Virginia Portal to use this guarantee after the completion of 15 credit hours and prior to the completion of 30 hours.
- Complete all steps of the formal admissions application process by the appropriate deadlines for the intended term of entry. Most applicants pursuing guaranteed admission will apply as they are finishing their associate degree.

IMPORTANT LINKS & DATES:

- **Transfer Initiatives Office:** <https://advising.vt.edu/transfer-student-advising.html>
- **Register Intent to Transfer:** By completion of 30 hours at <https://www.TransferVirginia.org>
- **Admission Application:** Find full application instructions and applicable deadlines at: <https://vt.edu/admissions/transfer/checklist.html>
- **Financial Aid:** <https://www.finaid.vt.edu>
- **FAFSA** - Free Application for Federal Student Aid: March 1 for fall semester at <https://www.studentaid.gov>

WHAT SHOULD I CONSIDER WHEN SELECTING COURSES?

- 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 <https://www.TransferVirginia.org>
- Connect with an advisor at your community college and Virginia Tech within your first year. College Connect available in your account of <https://www.TransferVirginia.org>

IS THIS DEGREE RIGHT FOR ME?

- The Bachelor of Science degree in Electrical Engineering is accredited by [ABET](#).
- Students can choose majors in the following areas: Computer Engineering (general), Chip-Scale Integration, Controls, Robotics, and Autonomy, Machine Learning, Networking and Cybersecurity, and Software Systems
- Students are encouraged to participate in undergraduate research with faculty at Virginia Tech

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

- **Associate Transfer Degree Completion:** The completion of an Associate Degree results in all lower-division general education requirements being met when you transfer to Virginia Tech.
- **Credit for Prior Learning:** AP, IB, and CLEP are evaluated for credits <https://www.registrar.vt.edu/Advanced-Standing-Transferable-Credit.html>
- **Catalog Year:** Catalog year determined by first semester of attendance at Virginia Tech
- **Dual Enrollment – Completion of Associate Degree in HS:** The completion of an Associate Degree concurrent with high school results in up to half the required credits (131) towards a CPE degree, with all general education courses satisfied. Students will be enrolled as a freshman for orientation and engagement purposes.

IS THIS COLLEGE RIGHT FOR ME?

- Virginia Tech's College of Engineering undergraduate programs are ranked 13th in the nation, according to U.S. News & World Report
- Located in rural area, with 2600-acre campus, 37,000 on and off campus students, and a 14:1 student-faculty ratio
- Transfer students have both on-campus and off-campus housing options, including a living community on campus just for transfer students (all majors).
<https://llp.vt.edu/llc/transfer.html>
- Virginia Tech is a diverse campus with students from over 40 states and 115 countries.
- Students can attend full-time or part-time.
- Classes are most typically offered Monday – Friday, 8am – 5pm

Learn more about our university at <https://vt.edu/about/facts-about-virginia-tech.html>

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 Virginia Tech

WHAT CAN I DO WITH THIS DEGREE?

- Virginia Tech's electrical and computer engineering programs integrate a strong and broad technical education with experiential learning and engineering professionalism training to provide our graduates the necessary knowledge and skills to solve complex 21st century problems.
- Explore possible careers, salaries, and job outlook at <https://www.TransferVirginia.org> and <https://eng.vt.edu/academics/undergraduate-students/explore-engineering.html>

PROGRAM SUCCESSES & HIGHLIGHTS

- 71% of undergraduate CPE students expect full-time employment upon graduation
- The median starting salary of 22/23 CPE graduates was \$80,000 (with a median bonus of \$3,000)

WHAT ARE MY CHANCES FOR GETTING ACCEPTED?

Each year around 400-450 VCCS transfer students apply for admission to a program in the Virginia Tech College of Engineering. Between 60-70% are typically offered admission. The average GPA of transfer students enrolling is 3.5.

Learn more about applying at <https://vt.edu/admissions/transfer.html>

DO MORE WITH YOUR DEGREE!

- Students may complete an accelerated Master's degree in one additional year of enrollment