Transfer Guide
Catalog Year: 2025 - 2026

Bachelor of Science in Chemical 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		1st sem (fall)	2nd sem (spring)	summer	3rd sem (fall)	4th sem (spring)
Course	Credits	CC Course	Notes	Course	Credits	Notes				
VT 1XXX	1-2	SDV 100 or 101		CHEM 3625	1					
ENGL 1105	3	ENG 111		CHEM 2536	3					
ENGL 1106	3	ENG 112		CHE 2004	1					
Pathways Concept 2	3	Any UCGS Art or Humanities		ENGL 3764	3					
Pathways Concept 2	3	Any UCGS Art, Humanities, or Lit	This course must come from a different group than prior requirement.	CHE 3114	3					
Pathways Concept 3	3	Any UCGS History		CHE 3134	3					
Pathways Concept 3	3	Any UCGS Social/Behav Science	This course may not be a history course.	CHE 3124	3					
MATH 1225	4	MTH 263		CHEM 3185	2					
MATH 1226	4	MTH 264		CHE 3015	3					
MATH 2204	4	MTH 265		CHE 3044	2					
MATH 2214	3	MTH 267		CHE 3144	3					
PHYS 2305	3	PHY 241		CHE 3186	2					
PHYS 2306	4	PHY 242		STAT 4604 or 4705	3					
CHEM 1035 + 1045	4	CHM 111		CHE 4014	4	Taught in summers only				
ENGE 1215	2	EGR 121		CHE 3154	3					

ENGE 1216	2	EGR 122		CHE 4185	4186	4 + 4	Year-long senior design (Sequence must be taken in fall + spring order)
CHE 2114	3	EGR 231		CHEM 3625		1	
CHE 2164	3	EGR 232		CHE Elective		3 + 3	taken any term to fill in schedule
CHEM 1036 + 1046	4	CHM 112		Technical Elective		3 + 3	taken any term to fill in schedule
CHEM 2535 + 2545	5	CHM 241 + 245		Free electives		9	Taken as needed to fill in schedule
MATH 2114	3	MTH 266		ENGE 3900			Career Bridge Experience
				Career Bridge Experiences help prepare students for post-graduation life and develop a professional identity. Internships, Co-ops, and Undergraduate Research are examples of possible Career Bridge Experiences. Because some of these experiences are not credit bearing, the ENGE 3900 course is used to track and assess student participation in Career Bridge and to record fulfillment of this degree requirement on the transcript. Students should enroll in ENGE 3900 during the semester (or one of the semesters) that they undertake the Career Bridge Experience. Enrollment in ENGE 3900 requires approval of a Career Bridge Plan. Further information about acceptable Career Bridge Experiences and the process for submitting a Career Bridge Plan are explained within your major courses.			
CREDITS PRE-TRANSFER: 68 - 70				**CREDITS POST-TRANSFER: 67 - 73 (total degree requirement 128)**			

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 Chemical Engineering Major:

- Earn a transfer associate degree AS in Engineering
- Earn a minimum of 3.2 GPA for the associate degree.
- Applicants for this major can be guaranteed for the Fall entry term.
- All courses taken towards this degree count in GPA calculations. GPA includes both grades when a course is repeated.

- **Transfer Initiatives Office:** https://advising.vt.edu/transfer-student-advising.htm
- **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 Chemical Engineering is accredited by ABET.
- Students are encouraged to participate in undergraduate research with faculty at Virginia Tech
- The CHE degree requires a Unit Operations Lab (taught in summer only) prior to senior year; lab may be taken at Virginia Tech, or abroad

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 (130) towards a CHE 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?

- Chemical engineers have helped develop atomic science, polymers, paper, dyes, drugs, plastics, fertilizers, foods, petrochemicals, vaccines, new methods for carbon capture, and much more. In addition to jobs in the oil, gas, and chemical fields, our graduates routinely work in a range of industries, including pharmaceuticals, food and beverage, semiconductor manufacturing, pulp and paper, mineral processing, environmental protection, defense, nuclear energy, and even financial services.
- 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

- The Chemical Engineering department offers a range of opportunities for co-operative education and internships that allow students to gain real-world work experience while earning their bachelor's degree.
- The median starting salary of 22/23 CHE graduates was $80,000 (with a median bonus of $5000)

WHAT ARE MY CHANCES FOR GETTING ACCEPTED?

- Each year about 900 transfer students apply to enter Virginia Tech as a transfer student in The College of Engineering. Approximately 425 students (50%) are offered admissions. The average GPA of transfer students enrolling is 3.1.
- Learn more about applying at https://vt.edu/admissions/transfer.html