

Bachelors of Science in Construction and Engineering Management

Associate Transfer Degree Plan in Engineering

TRANSFER GUIDE
Catalog Years: 2024-2025

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 or spring)	4 th sem (fall)	5 th sem (spring)
Course	Credits	CC Course	Notes	Course	Credits	Notes			
VT 1XXX	1-2	SDV 100 or 101		CEM 2104	3				
ENGL 1105	3	ENG 111		GEOS 2104	3				
ENGL 1106	3	ENG 112		CEE 3404	3				
Pathways Concept 2	3	Any UCGS Humanities or Fine Arts		STAT 3704	2				
Pathways Concept 2	3	Any UCGS Humanities, Fine Arts, or Lit	This course must come from a different group than prior requirement.	BC 2114	3				
Pathways Concept 3	3	Any UCGS History		CEE 2814	4	or CEM 2824 (3) + CME 2404 (1)			
ECON 2005 (Pathways Concept 3)	3	ECO 202		BC 3114	3				
MATH 1225	4	MTH 263		CEM 3024	3				
MATH 1226	4	MTH 264		CEE 3684	4				
MATH 2204	4	MTH 265		BC 3064	3				
MATH 2214	3	MTH 267		Advanced Courses	6	two different courses			
PHYS 2305	4	PHY 241		CEE 3514	4				
CHEM 1035+1045	4	CHM 111		CEE 4074	3				
ENGE 1215	2	EGR 121		CEM 3084	3				
ENGE 1216	3	EGR 122		BC 4064	3				

MATH 2114	3	MTH 266		CEM 4445	CEM 4446	3 + 3	Year-long design project (must begin in fall, and end in spring)
ESM 2104	3	EGR 240		CEE 3424		3	
ESM 2204	3	EGR 245		Technical Electives		6	two different courses
ECON 2006	3	ECO 201		CEM/BC 3134		3	
	6-8	Any EGR, MTH, and/or Science courses from the following:	EGR: 125, 246, 248, 270, 271, 272, 280, 282, 231, 232 MTH: 288, 283 SCI: BIO 101, 206; CHM 112, 241, 242; GOL 105, PHY 242	CEM 4024		3	
							Career Bridge Experience
				<p>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.</p>			
CREDITS PRE-TRANSFER: 65 - 68				CREDITS POST-TRANSFER: 71 (degree total 124)			

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 Construction Engineering & Management 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 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://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 Construction Engineering and Management is accredited by [ABET](#).
- The focus of this degree is construction engineering with a management emphasis. The degree retains an emphasis on engineering, with a focus on construction theory and applications, while providing students the opportunity to define the areas of business they wish to study to complement their career goals.
- 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 (129) towards a ME 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?

- CEM graduates support a wide range of operations within the construction industry. The construction industry builds commercial, residential, industrial and civil infrastructure in every country across the globe. If you live or work in it, drive or land on it, the construction industry built it. If you bought it, the construction industry built the facility where it was manufactured.
- 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 Construction Engineering and Management (CEM) program admitted the first class of students in the Fall of 2007 and graduated the first class in the Spring of 2009. The degree received full ABET accreditation in the Fall of 2009. Enrollment in the CEM program continues to grow. The program attracts students who are interested in managing all aspects of the construction process and our graduates are employed by construction companies throughout the United States.
- The median starting salary of 22/23 CEM graduates was \$73,000 (with a median bonus of \$2,000)

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