

University of Virginia BS in Biomedical Engineering

Associate Transfer Degree Plan in Biomedical Engineering

COURSE REQUIREMENTS

Complete at VCCS				Complete at UVA		
BACHELOR'S DEGREE REQUIREMENT	SATISFIED BY			BACHELOR'S DEGREE REQUIREMENT		5 semester course plan example
Course	Credits	CC Course	Notes	Course	Credits	Notes
	1-2	SDV 100 or 101	Does not transfer	Unrestricted Elective 2	3	Semester 1
HSS Elective 1	3	ENG 111		BME 2104	3	Semester 1
ENGR 1020	3	ENG 112 or 113	Prefer ENG 113	BME 2315	3	Semester 1
HSS Elective 2	3	Any UCGS Humanities or Fine Arts		BME 3080	4	Semester 1
HSS Elective 3	3	Any UCGS Humanities, Fine Arts, or Lit	This course must come from a different group than previous row.	BME 2000	3	Semester 2
	3	Any UCGS History	Exceeds max allowable transfer credits	BME 2101	3	Semester 2
Unrestricted Elective 1	3	Any UCGS Social/Behav Science	This course may not be a history course. PSY 200 or SOC 200 recommended for pre-health.	BME 3090	4	Semester 2
APMA 1090	4	MTH 263	MTH 263 prerequisites not in this transfer guide. Discuss with community college advisor if applicable. 3 cr for APMA 1090 1 cr for APMA 2130	BME 3310	3	Semester 2
APMA 1110	4	MTH 264		STS 2600	3	Semester 2
APMA 2120	4	MTH 265		BME 2102	3	Semester 3
Math/Sci Elective I	3	MTH 266		BME 4063	3	Semester 3
APMA 2130	3	MTH 267	Transfers 3 of 4 credits required	BME Elective 1	3	Semester 3
PHYS 1425/1429	4	PHY 241	Must be completed on-campus to receive lab credit.	STS 4500	3	Semester 3
PHYS 2415/2419	4	PHY 242	Must be completed in-class/on-campus in order to receive lab credit	BME 3240	3	Semester 4
CHEM 1410/1411	4	CHM 111		BME 4064	3	Semester 4

ENGR 1010	2	EGR 121	Transfers 2 of 4 credits required	BME Elective 2	3	Semester 4
CS 1110	3-4	EGR 125 or CSC 221		STS 4600	3	Semester 4
BME 2220	3	EGR 240	Must also take EGR 245 to earn credit for BME 2220	BME Elective 3	3	Semester 5
Engineering Elective 1	3	EGR 246	Transfers as MAE 2310	Unrestricted Elective 3	3	Semester 5
Engineering Elective 2	3	EGR 245	Transfers as MAE 2320	Technical Elective	3	Semester 5
APMA 3110	3	MTH 283		Engineering Elective	3	Semester 5 2 cr for ENGR 1010
CREDITS PRE-TRANSFER: 66-68				CREDITS POST-TRANSFER: 65 (126 credits to complete degree)		
* HSS = Humanities and Social Science (content primarily on studying cultures, society and people)						

TRANSFER GUIDANCE

Guaranteed Admission Agreement

By meeting the following criteria, you are guaranteed admittance to UVA Engineering:

To be competitive for admission outside the GAA, students should meet all or nearly all of the program's general education requirements, earn a minimum GPA of 3.0 or better at your current institution, and have 60-63 transferable credits.

IMPORTANT LINKS & DATES:

- **University Transfer Center:** <https://admission.virginia.edu/admission/transfer>
- **Register Intent to Transfer:** By end of first semester through College Connect at www.TransferVirginia.org
- **Admission Application:** By March 1 at <https://www.commonapp.org/>
- **Financial Aid:** <https://sfs.virginia.edu/>, <https://sfs.virginia.edu/financial-aid-new-applicants/how-apply-aid-undergrad-programs/how-apply-financial-aid-transfer>
- **FAFSA - Free Application for Federal Student Aid:** April 1 at 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 www.TransferVirginia.org
- Connect with an advisor at your community college and University of Virginia within your first year. College Connect available in your account of www.TransferVirginia.org

IS THIS DEGREE RIGHT FOR ME?

- Students should attend full-time (≥ 12 credits). Most classes are scheduled during the day M-F.
- Many transfer students choose to take more than 4 semesters to complete the BME degree so they can take advantage of multi-disciplinary courses and strong offerings of experiential learning opportunities like undergraduate research.
- Find info about curriculum and electives on the [BME Undergraduate Website](#).

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 most first and second year degree requirements being met when you transfer to UVA Engineering, except for BME and the STS courses not taught through VCCS.
- **Dual Enrollment – Completion of Associate Degree in HS:** The completion of an Associate Degree concurrent with high school results in 60 credits of course work towards your degree and most general education courses satisfied. Students apply as and enroll as freshmen for orientation and engagement purposes. Completion of an associate degree concurrent with high school does not confer eligibility for guaranteed admission.
- **Credit for Prior Learning:** Consult the Undergraduate Record for AP test score needed to earn course credit: http://records.ureg.virginia.edu/content.php?catoid=52&navoid=4102#adva_exam
- **Catalog Year:** Catalog year determined by first semester of attendance at the community college post high-school graduation.

IS THIS COLLEGE RIGHT FOR ME?

- UVA Engineering has the highest four-year graduation rate for all undergrads and for Hispanic, Asian, and African-American students compared to all public engineering schools in the country.
- UVA Engineering has the highest percentage of women students for all engineering schools with at least 200 female graduates per year. Learn more at <https://ira.virginia.edu/university-data-home/degrees-awarded>
- AccessUVA guarantees 100% of demonstrated need for undergraduates, who are admitted on a need-blind basis.
- UVA engineering emphasizes the integral role of engineering in society, and our grads are widely recognized for their leadership and communication skills.

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 University of Virginia?

WHAT CAN I DO WITH THIS DEGREE?

- Career paths after graduation include industry, graduate school, medical school, and dental school. Learn more at our [BME Careers](#) page.
- Industries hiring BME graduates include medical imaging, medical devices, bioinstrumentation, software, orthopedics, tissue & cell engineering, diagnostics, drug discovery, pharmaceuticals, genomics, bioinformatics, regulatory affairs, business development, consulting, and more.

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

PROGRAM SUCCESSES & HIGHLIGHTS

- Biomedical engineering has become increasingly data driven and is inherently interdisciplinary and collaborative. The BME program at UVA prepares graduates to make valued contributions from the very start of their careers.
- About 80% of BME graduates have definite plans (graduate school, professional school, or jobs accepted) when they graduate. About 45% of graduates have accepted jobs in industry.

WHAT ARE MY CHANCES FOR GETTING ACCEPTED?

- Any transfer student accepted to the UVA School of Engineering and Applied Sciences may major in biomedical engineering.
- Students who complete an Associate Degree in Engineering or Science from VCCS with a GPA of 3.2 are guaranteed admissions. However, the majority of enrolling applicants are admitted through the competitive admission process without having met all of the guaranteed admission criteria.
- Learn more about applying at www.TransferVirginia.org

DO MORE WITH YOUR DEGREE!

- Most BME students complete extracurricular opportunities such as summer internships or research experiences.
- Many BME students participate in organizations such as the Biomedical Engineering Society, the Society of Women Engineers, the National Society of Black Engineers, the Society of Hispanic Professional Engineers, Out in STEM, and the Society of Asian Scientists and Engineers.

OTHER THAN CLASSES, ARE THERE OTHER PROGRAM REQUIREMENTS?

- All UVA engineers complete a senior thesis portfolio, with a Science, Technology & Society research paper and a technical report; these experiences are integrated into required courses during the senior year.