

VT Course	VCCS Course	Admission Advising
<b>Biological Systems Engineering (BSE)</b>		
MATH 1225 Or earn a 64 or higher on the College Level Examination Program (CLEP) Calculus Exam	MTH 263 Or earn a 64 or higher on the College Level Examination Program (CLEP) Calculus Exam	Required
MATH 1226	MTH 264	Required
ENGL 1105 or ENGL 1106	ENG 111 or ENG 112	Required
ENGE 1215	EGR 121	Strongly Recommended
ENGE 1216	EGR 122	Strongly Recommended
MATH 2114	MTH 266	Strongly Recommended
MATH 2204	MTH 265	Strongly Recommended
PHYS 2305	PHY 241	Strongly Recommended
BIOL 1105	BIO 101	Recommended
BIOL 1106	BIO 102	Recommended
CHEM 1035+1045(lab)	CHM 111	Recommended
CHEM 1036	CHM 112	Recommended
MATH 2214	MTH 267	Recommended
PHYS 2306	PHY 242	Recommended
Remaining course from following: ENGL 1105 or ENGL 1106	Remaining course from the following: ENG 111 or ENG 112	Recommended

**Required course** - In order to be competitive for admission, prospective transfer students must complete this course prior to transfer with few to no exceptions. Not every program has courses in this category.

**Strongly Recommended course** - Prospective transfer students are strongly encouraged to complete some or all courses in this category prior to transfer. Successful completion of a Strongly Recommended course both fulfills certain degree requirements and can help create a more competitive application for admission, but prospective transfer students with otherwise strong applications could be admitted without this course. Not every program has courses in this category.

**Recommended course** - Prospective transfer students are encouraged to complete some or all courses in this category prior to transfer. Successful completion of a Recommended course both fulfills certain degree requirements and can help create a more competitive application for admission, but Recommended coursework should be pursued in addition to coursework listed from the Required and Strongly Recommended categories. Prospective transfer students with otherwise strong applications could be admitted without this course.

**Major/program additional point of contact:** Ryan Wagoner ([rdw@vt.edu](mailto:rdw@vt.edu))

**Additional Admissions/application support:** [transfer@vt.edu](mailto:transfer@vt.edu); 540-231-6267

**Transfer credit resources and known equivalency databases:** [transferguide.registrar.vt.edu/index](https://transferguide.registrar.vt.edu/index)

**Detailed Virginia Tech course names and descriptions search tool:** [catalog.vt.edu/course-search](https://catalog.vt.edu/course-search)

**Full program curriculum and VT graduation requirements by major for additional pre-transfer schedule planning:** [catalog.vt.edu/program-explorer/](https://catalog.vt.edu/program-explorer/)

**General Education and transfer credit:** [pathways.prov.vt.edu/students-and-advisors/transfer-students](https://pathways.prov.vt.edu/students-and-advisors/transfer-students)

**(Disclaimer)** Admissions Transfer Roadmaps are a tool to aid in course selection and prioritization by intended program only. Completion of all equivalent Required courses or all equivalent courses listed from each category does not necessarily guarantee admission into that program. Final admissions decisions are made through a holistic review process and based on numerous additional factors, including but not limited to overall and individual course performance, strength of applicant pool for intended program, and space availability.