



Change of Major Requirements For Students Admitted to General Engineering

The steps below outline the eligibility requirements for General Engineering students to declare one of the 14 degree-granting engineering majors:

Aerospace Engineering (AE)	Electrical Engineering (EE)
Biological Systems Engineering (BSE)	Engineering Science and Mechanics (ESM)
Chemical Engineering (CHE)	Industrial and Systems Engineering (ISE)
Civil Engineering (CE)	Materials Science and Engineering (MSE)
Computer Engineering (CPE)	Mechanical Engineering (ME)
Computer Science (CS)	Mining Engineering (MINE)
Construction Engineering and Management (CEM)	Ocean Engineering (OE)

1. Course Requirements to Enter Engineering Majors

- CHEM 1035:** General Chemistry
- CHEM 1045:** General Chemistry Lab
- ENGE 1215:** Foundations of Engineering (C- minimum)
- ENGL 1105:** First-Year Writing
- MATH 1225:** Calculus
- ENGE 1216:** Foundations of Engineering (C- minimum)
- ENGL 1106:** First-Year Writing
- MATH 1226:** Calculus
- PHYS 2305:** Foundations of Physics

2. Credit Hours

- 2.1. Students must complete a minimum of 12 GPA hours¹ at Virginia Tech.
- 2.2. Students can complete a maximum of 55 GPA hours¹ at Virginia Tech.

¹ GPA hours include any A-F graded courses taken at Virginia Tech (excluding W's and P/F if the class is passed).

3. GPA Policies

Degree granting engineering majors accept applicants on a space-available basis

- 3.1 Students must have a minimum 2.0 overall GPA.
- 3.2 Students with a minimum 3.0 overall Virginia Tech GPA are guaranteed their first choice major.
- 3.3 Students below a 3.0 overall Virginia Tech GPA will be rank ordered according to their GPA and placed in their first, second, or third choice based on space availability.

4. Coursework Completion

All required coursework must be completed (not currently enrolled) at the time of application.

- 4.1. Students using transfer credit to meet any of the course requirements must show one of the following:
 - Course transfer credit awarded on the Virginia Tech Unofficial Transcript
 - An unofficial copy of transcript from transfer institution
 - The unofficial transcript must include the student's name, the institution's name, the course number and name, and the grade earned in the course.
 - The unofficial transcript should be saved as a .pdf and attached in the survey found at https://virginiatech.qualtrics.com/SE/?SID=SV_4Gu8G4PXqiRWOuF by the application close date.

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