

HOW TO DECLARE AN ENGINEERING MAJOR



1. COMPLETE THE COURSE REQUIREMENTS

- CHEM 1035: General Chemistry
- CHEM 1045: General Chemistry Lab
- ENGE 1215: Foundations of Engineering (C- min or CC)
- ENGE 1216: Foundations of Engineering (C- min or CC)
- ENGL 1105: First-Year Writing
- ENGL 1106: First-Year Writing
- MATH 1225: Calculus of a Single Variable ([math ready](#))
- MATH 1226: Calculus of a Single Variable
- PHYS 2305: Foundations of Physics

Verify course completion of all courses:

Hokie Spa → Transcripts and Certifications Menu → View Unofficial Transcript

2. EARN GPA HOURS

GPA hours include any A-F graded courses taken at Virginia Tech.



Maximum of 55 GPA hours is only applicable to students in General Engineering.

3. MEET THE GPA REQUIREMENT

Admission to all degree-granting engineering majors (except Biomedical Engineering) determined by space-availability and is based on each student's Virginia Tech GPA.



3.00 GPA guarantee is only applicable to students in the College of Engineering.

4. APPLY ON HOKIE SPA

Hokie Spa → Change of Major Application (Undergraduate)

Applications may only be submitted three times per year, see [FAQ 2](#) on the next page for specific dates and deadlines.

Students can select up to three engineering major choices. Directions for selecting additional choices can be found on slides 10 and 11 [here](#).

5. SUBMIT ESSAY RESPONSES

Non-Engineering students must submit essay responses to the prompts below, of no more than 350 words per essay, at the following link: <https://www.enge.vt.edu/em/essay>

- 1) Explain why you chose your first-choice major and how you made that decision.
- 2) Explain why and how you selected your second and third choice major.

IMPORTANT UPDATES

- * Biomedical Engineering (BME) has an [additional application/interview process](#) and does not adhere to the 3.00 guarantee. Applications for students admitted as first-year students are only reviewed in the spring semester. Applications for students admitted as transfer students are only reviewed in the fall semester.

See the next page for a list of frequently asked questions (FAQ) about the College of Engineering change of major process.

FREQUENTLY ASKED QUESTIONS (FAQ):

1. What are the engineering disciplines at Virginia Tech?

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

2. What are the application dates and deadlines?

The application is available three times per year: end of spring, end of summer, end of fall. **Newly admitted students will not be able to access the change of major application until final grades are posted for that term.**

	Application: Hokie Spa (secondary major applicants, see FAQ 5)	Essay Responses: Microsoft Form (for Non-Engineering Students only)	Transfer Credit: Microsoft Form (for courses not displayed on Hokie Spa)	Receive Decision
End of Spring	May 5, 2021 - May 19, 2021	May 5, 2021 - May 19, 2021	May 5, 2021 - May 24, 2021	May 25, 2021
End of Summer	Aug 3, 2020 - Aug 16, 2020	Aug 3, 2020 - Aug 16, 2020	Aug 3, 2020 - Aug 19, 2020	Aug 20, 2020
End of Fall	Dec 14, 2020 - Jan 3, 2021	Dec 14, 2020 - Jan 3, 2021	Dec 14, 2020 - Jan 6, 2021	Jan 7, 2020

3. What if I have transfer credit for a change of major course and it's not awarded on Hokie Spa?

Upload a copy of your unofficial transcript from your transfer institution to the following link: <https://www.enge.vt.edu/em/transfercredit> (see the deadline to upload proof of transfer credit in FAQ 2)

4. How do I apply for an engineering major as a secondary major?

Applications for a secondary major in engineering should be submitted using the following link: <https://www.enge.vt.edu/em/secondaryapp> (all dates and deadlines in FAQ 4 apply for secondary major applications as well). **Example: Your current major is Aerospace Engineering and you wish to add Ocean Engineering as a secondary major.**

5. When can I take ENGE 1215?

ENGE 1215 is taught fall, spring, summer I, and summer II.

- Fall Semester:** Only available to General Engineering students; non-engineering students are not permitted to take the course in the fall semester.
- Spring Semester:** Available to all General Engineering students; non-engineering students with a minimum 2.0 overall GPA are permitted to take this course, on a space-available basis.
- Summer I Session:** Available to all General Engineering students; non-engineering students with a minimum 2.0 overall GPA are permitted to take this course, on a space available basis.
- Summer II Session:** Only General Engineering students admitted to the Summer Academy program are permitted to take this course in summer II.

ENGE 1216 is taught fall, spring, and summer II. **General Engineering students** are permitted to take this course during any term. **Non-engineering students** with a minimum 2.0 overall GPA are permitted to take this course during any term, on a space-available basis.

6. When can I take courses within a specific engineering discipline?

This is dependent on the department and specific course. You can view course restrictions on the [Timetable of Classes](#).

7. How can I declare one of the specialized electrical engineering or computer engineering majors?

Students must first declare Electrical Engineering (EE) or Computer Engineering (CPE). Upon completion of **ECE 2014: Engineering Professionalism** in ECE or **ECE 2804: Integrated Design Project**, students may apply to declare one of the 7 electrical engineering majors (**CMNW, ECRA, ERES, MNSY, PHTN, RFMW, SPCS**) or 5 computer engineering majors (**CPI, CRA, MCHL, NWCS, SFTW**). Students may also choose to remain in EE or CPE.