

HOW TO DECLARE AN ENGINEERING MAJOR



1. COMPLETE THE COURSE REQUIREMENTS

All courses must be completed on an A-F grading scale (not pass/fail).

- CHEM 1035: General Chemistry
- CHEM 1045: General Chemistry Lab
- ENGE 1215: Foundations of Engineering
- ENGE 1216: Foundations of Engineering
- ENGL 1105: First-Year Writing
- ENGL 1106: First-Year Writing
- MATH 1225: Calculus of a Single Variable
- 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.

5. WAIT FOR DECISION

2022 application dates and deadlines

	Application: Hokie Spa <small>(secondary major applicants, see FAQ 3 on next page)</small>	Transfer Credit: Microsoft Form <small>(for courses not displayed on Hokie Spa)</small>	Receive Decision
End of Spring	May 5, 2022 - May 20, 2022	May 5, 2022 - May 22, 2022	May 23, 2022
End of Summer	Aug 1, 2022 - Aug 12, 2022	Aug 1, 2022 - Aug 16, 2022	Aug 17, 2022
End of Fall	Dec 11, 2022 - Jan 6, 2023	Dec 11, 2022 - Jan 8, 2023	Jan 9, 2023

Newly admitted students will not be able to access the change of major application until final grades are posted for their first term of enrollment.

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.



* Biomedical Engineering (BME) will not adhere to the GPA guarantees. Applications will be reviewed and decisions based on BME enrollment goals and applicant's overall VT GPA.

4. APPLY ON HOKIE SPA

[Hokie Spa](#) ➔ [Change of Major Application](#)

The application is available three times per year: end of spring, end of summer, end of fall. See [application dates and deadlines below](#).

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

See the next page for 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?

A full list of degrees and majors can be located here:

<https://eng.vt.edu/academics/undergraduate-students/undergraduate-degree-programs.html>

2. 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.eng.vt.edu/em/transfercredit>
(see application dates and deadlines on first page or at www.eng.vt.edu/em)

3. 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.eng.vt.edu/em/secondaryapp>

Example: Your current major is Aerospace Engineering and you wish to add Ocean Engineering as a secondary major.

4. When can I take ENGE 1215 and ENGE 1216?

ENGE 1215 is typically taught fall, spring, summer I, and summer II. **General Engineering students** are permitted to take this course during any term. **Non-engineering students** cannot enroll in ENGE 1215 during summer II or fall terms.

ENGE 1216 is typically taught fall, spring, summer I, and summer II. **General Engineering students** and **Non-Engineering students** are permitted to take this course during any term.

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

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

6. How can I declare a specific major within Computer Engineering, Computer Science, Electrical Engineering, or Mechanical Engineering?

Several of the VT COE departments offer multiple majors under one degree. Example: Machine Learning major under the Computer Engineering degree. How students can declare the various majors under each degree varies by department; details can be located below.

DEGREES VS. MAJORS

Degree	Major	Requirements
Computer Engineering	CPE, CPI, CRA, MCHL, NWCS, SFTW	Students must first be admitted to CPE; then can change to one of the other majors after completion of ECE 2804 (C min), regardless of GPA.
Computer Science	CS, DCC, SC	Students can directly declare CS, DCC, or SC; once admitted to one of the majors, students can change to the others, regardless of GPA.
Electrical Engineering	CMNW, ECRA, EE, ERES, MNSY, PHTN, RFMW, SPCS	Students must first be admitted to EE; then can change to one of the other majors after completion of ECE 2804 (C min), regardless of GPA.
Mechanical Engineering	AUTE, ME, RBMT	Students must first be admitted to ME; then can change to AUTE or RBMT, regardless of GPA, in a subsequent application.