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.

Minimum 12 GPA Hours

Maximum 55 GPA Hours

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.

Minimum 2.00 Overall GPA

Guarantee 3.00 Overall 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 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):

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 the deadline to upload proof of transfer credit at www.eng.vt.edu/em)
This is dependent on the department and the specific course. You can view course restrictions on the Timetable of Classes.

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.enge.vt.edu/em/secondaryapp
Example: Your current major is Aerospace Engineering and you wish to add Ocean Engineering as a secondary major.
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. Students must have a C- or higher in ENGE 1215 to enroll in ENGE 1216.

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.

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.

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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/em

DEGREES VS. MAJORS
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.

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<thead>
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<th>Degree</th>
<th>Major</th>
<th>Requirements</th>
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<td>Computer Engineering</td>
<td>CPE, CPI, CRA, MCHL, NWCS, SFTW</td>
<td>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.</td>
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<td>Computer Science</td>
<td>CS, DCC, SC</td>
<td>Students can directly declare CS, DCC, or SC; once admitted to one of the majors, students can change to the others, regardless of GPA.</td>
</tr>
<tr>
<td>Electrical Engineering</td>
<td>CMNW, ECRA, EE, ERES, MNSY, PHTN, RFMW, SPCS</td>
<td>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.</td>
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<tr>
<td>Mechanical Engineering</td>
<td>AUTE, ME, RBMT</td>
<td>Students must first be admitted to ME; then can change to one of the other ME majors, regardless of GPA.</td>
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