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.
   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: All Students
   Maximum: Engineering Students
   Guarantee*: Non-Engineering Students

   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 (Undergraduate)

   The application is available three times per year:
   - End of spring
   - End of summer
   - End of fall

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

5. WAIT FOR DECISION

   2022 application dates and deadlines

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<tr>
<td>End of Summer</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
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<tr>
<td>End of Fall</td>
<td>TBD</td>
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   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.

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

Updated: February 2022
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

<table>
<thead>
<tr>
<th>Degree</th>
<th>Major</th>
<th>Requirements</th>
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<tbody>
<tr>
<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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<tr>
<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>
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<tr>
<td>Electrical Engineering</td>
<td>CMNW, ECRA, EE, ERES, MNSY, PHTN, RFMW, SPCS</td>
<td>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.</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 AUTE or RBMT, regardless of GPA, in a subsequent application.</td>
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