College of Engineering

Change of Major Requirements and Policies

Effective Spring 2018, Summer 2018, and Fall 2018 Application Cycles

The steps below outline the eligibility requirements for students admitted to a non-engineering major to declare one of the 14 degree-granting engineering majors (*non-engineering students cannot declare General Engineering*). Admission to a degree-granting engineering major is not guaranteed.

<table>
<thead>
<tr>
<th>Aerospace Engineering (AE)</th>
<th>Electrical Engineering (EE)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biological Systems Engineering (BSE)</td>
<td>Engineering Science and Mechanics (ESM)</td>
</tr>
<tr>
<td>Chemical Engineering (CHE)</td>
<td>Industrial and Systems Engineering (ISE)</td>
</tr>
<tr>
<td>Civil Engineering (CE)</td>
<td>Materials Science and Engineering (MSE)</td>
</tr>
<tr>
<td>Computer Engineering (CPE)</td>
<td>Mechanical Engineering (ME)</td>
</tr>
<tr>
<td>Computer Science (CS)</td>
<td>Mining Engineering (MINE)</td>
</tr>
<tr>
<td>Construction Engineering and Management (CEM)</td>
<td>Ocean Engineering (OE)</td>
</tr>
</tbody>
</table>

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

   *Courses may not be available for non-engineering students during fall semesters, and often require summer enrollment.*

2. **Credit Hours**
   - 2.1. Students must complete at least 12 GPA hours\(^2\) at Virginia Tech.

   *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**
   - Degree-granting engineering majors accept non-engineering applicants on a space-available basis.
     - 3.1. Students must have a minimum 2.0 overall GPA.
     - 3.2. Students will be rank ordered based on their overall Virginia Tech 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.
         - Hokie Spa ➔ Transcripts and Certifications Menu ➔ View 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 the grade earned in the course.
         - The unofficial transcript should be saved as a .pdf and attached in the survey found at [http://www.enge.vt.edu/em/transfercredit](http://www.enge.vt.edu/em/transfercredit) by the deadline indicated on the Engineering Education change of major website ([http://www.enge.vt.edu/em](http://www.enge.vt.edu/em)).

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\(^2\)GPA hours include any A-F graded courses taken at Virginia Tech (excluding W's and P/F if the class is passed).

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Updated: March 16, 2017
Enrolling in ENGE 1215
To enroll in ENGE 1215 at Virginia Tech students must be math ready, meet the computer requirement, and purchase the engineering software bundle.

- **Fall 2017**: Not available to non-engineering students.
- **Spring 2018**: Available on a space available basis to non-engineering students with a minimum 2.0 overall Virginia Tech GPA.
- **Summer I 2018**: Available on a space available basis to non-engineering students with a minimum 2.0 overall Virginia Tech GPA.
- **Summer II 2018**: Not available to non-engineering students.

Enrolling in ENGE 1216
To enroll in ENGE 1216 students must have earned a minimum grade of “C-” in ENGE 1215.

- **Fall 2017**: Available on a space available basis to non-engineering students with a minimum 3.2 overall Virginia Tech GPA.
- **Spring 2018**: Available on a space available basis to non-engineering students with a minimum 2.0 overall Virginia Tech GPA.
- **Summer I 2018**: Available on a space available basis to non-engineering students with a minimum 2.0 overall Virginia Tech GPA.
- **Summer II 2018**: Available on a space available basis to non-engineering students with a minimum 2.0 overall Virginia Tech GPA.