Change of Major Requirements and Policies
For Students Admitted to a Non-Engineering Major Summer I 2016 and After
Effective Summer 2016 Application Cycle and After

The College of Engineering offers the following undergraduate degree granting engineering majors:

<table>
<thead>
<tr>
<th>Aerospace Engineering (AE)</th>
<th>Electrical Engineering (EE)</th>
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<tbody>
<tr>
<td>Biological Systems Engineering (BSE)</td>
<td>Engineering Science and Mechanics (ESM)</td>
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<tr>
<td>Chemical Engineering (CHE)</td>
<td>Industrial and Systems Engineering (ISE)</td>
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<tr>
<td>Civil Engineering (CE)</td>
<td>Materials Science and Engineering (MSE)</td>
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<tr>
<td>Computer Engineering (CPE)</td>
<td>Mechanical Engineering (ME)</td>
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<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>
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The College of Engineering Major/Minor Application is available electronically prior to the beginning of fall, spring, and summer at: http://www.enge.vt.edu/Undergraduate/changing_majors.

Students admitted to a non-engineering major through the Office of Undergraduate Admissions summer I 2016 and after must meet the following requirements to be eligible to apply to a degree-granting engineering major (non-engineering students cannot declare General Engineering). Admission to a degree-granting engineering major is not guaranteed.

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

   1 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 at Virginia Tech prior to completing the change of major application.

3. GPA
   Degree-granting engineering majors accept non-engineering applicants on a space-available basis
   3.1. Students must have a minimum 3.2 overall GPA at the time of application.
   3.2. Students must have a minimum 3.2 GPA in the *course requirements at the time of application.
4. **Coursework Completion**

All required coursework must be completed (not currently enrolled) and displayed with a final grade on the Virginia Tech Unofficial transcript **at the time of application**.

4.1. Students using transfer credit to meet any of the course requirements must have the transfer credit posted on the Virginia Tech Unofficial transcript **at the time of application**.

4.2. It is highly recommended that all course requirements be completed at Virginia Tech. When transferring course from another institution there may be a delay of weeks/months from Registrar’s receipt of the official transcript from the transfer institution to having credit show on student’s transcript (viewed in Hokie Spa). Major changes will not be processed until all credits are officially awarded and showing on the Virginia Tech transcript, which may delay the student’s ability to submit a College of Engineering Change of Major Application.

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**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 Semesters**: Not available to non-engineering students.
- **Spring Semesters and Summer I Sessions**: Available on a space available basis to non-engineering students with a minimum 3.2 overall Virginia Tech GPA.
- **Summer II Sessions**: 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, Spring, Summer I, Summer II Semesters**: Available on a space available basis to non-engineering students with a minimum 3.2 overall Virginia Tech GPA.