Engineering, A.S.

The Engineering program is a two-year preparatory curriculum for students who plan to continue their education at a four-year institution and complete their major in an engineering science field.

Program Competencies

Upon successful completion of this curriculum, students should be able to:

- Determine the specifications and parameters of engineering problems.
- Apply physical principles and laws to engineering problems.
- Apply modern analytical tools to engineering problems.
- Present technical information in oral, written or graphic form.
- Identify cultural, social and personal factors influencing engineering professions and career development.

First Semester (15 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENG 100 - English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>Electives:</td>
<td></td>
</tr>
<tr>
<td>- Social Science Elective</td>
<td>3 Credits</td>
</tr>
<tr>
<td>- Mathematics/Science Electives</td>
<td>9 Credits</td>
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</table>

Second Semester (17 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENG 112 - English Composition II: Writing About Literature</td>
<td>3</td>
</tr>
<tr>
<td>EGR 150 - Engineering Topics</td>
<td>1</td>
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<tr>
<td>Electives:</td>
<td></td>
</tr>
<tr>
<td>- Mathematics/Science Electives</td>
<td>13 Credits</td>
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</tbody>
</table>

Third Semester (16-18 credits)

Electives:

- Engineering Curriculum Options 6-8 Credits
- Mathematics/Science Electives 7 Credits
- Social Science Elective 3 Credits

Fourth Semester (15-17 credits)
Electives:

- Engineering Curriculum Option 3-5 Credits
- Humanities Electives 6 Credits
- Mathematics/Science Elective 3 Credits
- Social Science Elective 3 Credits

Notes:

Suggested Engineering Curriculum Option Electives, by transfer discipline:

For Chemical Engineering select from CHE 200, CHE 201, EGR 200, EGR 220

For Civil Engineering select from EGR 100, EGR 200, EGR 201, EGR 220

For Computer Engineering select from DPR 108 (should be taken in the first year), DPR 212, DPR 226, EGR 210

For Electrical Engineering select from EGR 200, EGR 201, EGR 210, EGR 220, MAT 200

For Mechanical Engineering select from EGR 100, EGR 200, EGR 201, EGR 220, MAT 200

Students are strongly encouraged to consult with both the DCCC Transfer Office as well as their academic advisor prior to selecting Engineering Curriculum Option courses.

Total Credits: 63-67

CAS – 10/2013