Engineering Science: Sample Transfer Plan

This sample transfer planning guide meets the requirements of the Associate in Engineering Science degree and follows the Illinois Articulation Initiative engineering baccalaureate major recommendations. Students should have a strong background in mathematics and the physical sciences. Students choosing to follow this sample plan need to choose the major of Associate in Engineering Science if needing financial aid. Transfer institution requirements may vary - students should check individual college/university requirements before completing the sample plan as outlined. Baccalaureate admission may be competitive. Completion of these courses alone does not guarantee admission.

Completion of the Associate in Engineering Science (AES) degree does not fulfill the requirements of the Illinois General Education Core Curriculum. After transfer, AES students will need to complete the general education requirements of the institution to which they transfer.

F = Fall only course  S = Spring only course  U = Summer only course

<table>
<thead>
<tr>
<th>FIRST SEMESTER:</th>
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<tbody>
<tr>
<td>Number</td>
<td>Course Title</td>
</tr>
<tr>
<td>CHM 121</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>EGR 100</td>
<td>Introduction to Engineering (F) or</td>
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Other FYS course

<table>
<thead>
<tr>
<th>Number</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENG 101</td>
<td>Composition</td>
<td>3</td>
</tr>
<tr>
<td>MTH 200</td>
<td>Calculus I</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Social and Behavioral Science (ECO 211 is recommended)</td>
<td>3</td>
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<tr>
<th>SECOND SEMESTER:</th>
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<tbody>
<tr>
<td>Number</td>
<td>Course Title</td>
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<tr>
<td>ENG 102</td>
<td>Composition</td>
</tr>
<tr>
<td>MTH 201</td>
<td>Calculus II</td>
</tr>
<tr>
<td>PHY 201</td>
<td>General Physics I: Mechanics</td>
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<td></td>
<td>Engineering. EGR 105 (F) is recommended for all specializations. EGR 110 (S) is recommended for Computer Science, Engineering Physics, Materials Science, Electrical and Computer. EGR 210 is recommended for Aerospace, Agricultural and Biological, Civil, Energy Management, Nuclear, Engineering Mechanics, General and Industrial.</td>
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<tr>
<th>THIRD SEMESTER:</th>
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<tbody>
<tr>
<td>Number</td>
<td>Course Title</td>
</tr>
<tr>
<td>MTH 202</td>
<td>Calculus III</td>
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<tr>
<td>PHY 202</td>
<td>General Physics II: Electricity and Magnetism</td>
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<tr>
<td>CSC 121</td>
<td>Computer Science I</td>
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<tr>
<td></td>
<td>Humanities and Fine Arts</td>
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<tr>
<th>FOURTH SEMESTER:</th>
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<tbody>
<tr>
<td>Number</td>
<td>Course Title</td>
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<tr>
<td></td>
<td>Engineering. PHY 203 (S) is recommended.</td>
</tr>
<tr>
<td></td>
<td>Engineering. EGR 211 (S) is recommended for Aerospace, Agricultural and Biological, Civil, Energy Management, Mechanical, Nuclear, Engineering Mechanics, General and Industrial. EGR 212 (S) is recommended for Aerospace, Agricultural and Biological, Civil, Engineering Management, Mechanical, Nuclear, Engineering Mechanics, General and Industrial. EGR 212 (S) is recommended for Aerospace, Agricultural and Biological, Civil, Energy Management, Mechanical, Nuclear, Engineering Mechanics, General and Industrial.</td>
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<tr>
<td>MTH 212</td>
<td>Differential Equations</td>
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</table>

1 One course from Humanities and Fine Arts or from Social and Behavioral Sciences must meet the World Cultures and Diversity graduation requirement for the Associate in Engineering Science degree.

2 Select at least one course from Humanities and one from Fine Arts. Interdisciplinary courses may count in either category. Refer to the Associate in Science degree for approved courses in this category. One course from Humanities and Fine Arts or from Social and Behavioral Sciences must meet the World Cultures and Diversity graduation requirement for the Associate in Engineering Science degree.