CSU Transfer Pathway: Mechanical Engineering

This program roadmap represents one possible pathway to complete the program. **Please see a counselor** to create an education plan that is customized to meet your needs. This roadmap is not a guarantee of course availability or financial aid applicability. For counseling appointments call 916.608.6510.

### FIRST YEAR

**Semester 1:** 16 units

<table>
<thead>
<tr>
<th>CAT.</th>
<th>COURSE</th>
<th>TITLE</th>
<th>GE AREA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Req</td>
<td>MATH 400*</td>
<td>Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>Req</td>
<td>CHEM 400*</td>
<td>General Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>Req</td>
<td>ENGR 312</td>
<td>Engineering Graphics</td>
<td>3</td>
</tr>
<tr>
<td>Req</td>
<td>ENGWR 300</td>
<td>College Composition</td>
<td>3</td>
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**Semester 2:** 15 units

<table>
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<tr>
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<tbody>
<tr>
<td>Req</td>
<td>MATH 401*</td>
<td>Calculus II</td>
<td>5</td>
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<tr>
<td>Req</td>
<td>PHYS 411*</td>
<td>Mechanics of Solids and Fluids</td>
<td>4</td>
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<tr>
<td>Req</td>
<td>ENGWR 301* or ENGWR 302*</td>
<td>College Composition &amp; Literature or Advanced Composition &amp; Critical Thinking</td>
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</tr>
<tr>
<td>GE</td>
<td></td>
<td>US History/American Ideals</td>
<td>3</td>
</tr>
</tbody>
</table>

*This course has a prerequisite or corequisite course.

### Notes:
- See General Education requirements for: CSU
- See ASSIST.ORG for the transfer requirements for the institution to which you plan to transfer.
- A transferable elective is defined as any class with a course number between 300 and 499. Electives may vary for the CSU and UC systems.
- U.S. History/American Ideals is a graduation requirement for all CSUs.
- Foreign Language may be required for CSU Sacramento IF student did not complete 3 years in high school. This requirement may vary at different colleges.
- Some English and Math courses have support courses (co-requisites). See your assessment results for more details.

### EXPLANATION OF CATEGORIES

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>Req</td>
<td>Required Core: A course that is required for this degree</td>
</tr>
<tr>
<td>GE</td>
<td>General Education: A course that fulfills a specific general education requirement for this degree, which can be replaced with another course that meets the same requirement</td>
</tr>
<tr>
<td>Elec</td>
<td>Elective: A degree-applicable course that is part of a degree roadmap to ensure that there is a total of at least 60 units, which is a requirement for an associate degree</td>
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</table>
SECOND YEAR

Semester 3: 15 units

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Req</td>
<td>MATH 402*</td>
<td>Calculus III</td>
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<tr>
<td>Req</td>
<td>PHYS 421*</td>
<td>Electricity &amp; Magnetism</td>
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<tr>
<td>Req</td>
<td>ENGR 420*</td>
<td>Statics</td>
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<tr>
<td>Req</td>
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<td>Oral Communication</td>
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Semester 4: 16 units

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<tbody>
<tr>
<td>Req</td>
<td>MATH 420*</td>
<td>B4</td>
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<tr>
<td>Req</td>
<td>ENGR 400*</td>
<td>3</td>
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<tr>
<td>GE</td>
<td>US History/American Ideals</td>
<td>F/D</td>
</tr>
<tr>
<td>GE</td>
<td>Arts or Humanities</td>
<td>C1/C2</td>
</tr>
<tr>
<td>GE</td>
<td>Life Science</td>
<td>B2</td>
</tr>
</tbody>
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