# Mechanical Engineering and Physics

## Department Information

- **Department Web Site:**
  [www.ndsu.edu/me/](http://www.ndsu.edu/me/)
- **Credential Offered:**
  B.S.M.E.
- **Official Program Curriculum:**
  [catalog.ndsu.edu/undergraduate/program-curriculum/mechanical-engineering-physics/](http://catalog.ndsu.edu/undergraduate/program-curriculum/mechanical-engineering-physics/)

## Sample Program Guide

IMPORTANT DISCLAIMER: A Sample Program Guide provides an unofficial guide of program requirements and should be used by prospective students who are considering attending NDSU in the future. It is NOT an official curriculum and should NOT be used by current NDSU students for official degree planning purposes. Note that the official curriculum used by current NDSU students can vary from the Sample Program Guide due to a variety of factors such as, but not limited to, start year, education goals, transfer credit, and course availability.

To ensure proper program completion, enrolled students should utilize Degree Map (https://www.ndsu.edu/registrar/degreemap/) and Schedule Planner (https://www.ndsu.edu/onestop/degree-map-and-planning/) in Campus Connection and consult regularly with their academic advisor to ensure requirements are being met.

### Freshman

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credits</th>
<th>Spring</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 165</td>
<td>4</td>
<td>MATH 166</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 110 (or placement)</td>
<td>3</td>
<td>ENGL 120</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 121</td>
<td>3</td>
<td>CHEM 122</td>
<td>3</td>
</tr>
<tr>
<td>ME 111</td>
<td>2</td>
<td>ME 212</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 171</td>
<td>1</td>
<td>ME 221</td>
<td>3</td>
</tr>
<tr>
<td>Humanities &amp; Fine Arts Gen Ed</td>
<td>3</td>
<td>Wellness General Education</td>
<td>2</td>
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### Sophomore

<table>
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<th>Fall</th>
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<tbody>
<tr>
<td>MATH 129</td>
<td>3</td>
<td>MATH 266</td>
<td>3</td>
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<tr>
<td>MATH 265</td>
<td>4</td>
<td>COMM 110</td>
<td>3</td>
</tr>
<tr>
<td>ME 330</td>
<td>3</td>
<td>PHYS 252</td>
<td>4</td>
</tr>
<tr>
<td>ME 222</td>
<td>3</td>
<td>PHYS 252L</td>
<td>1</td>
</tr>
<tr>
<td>ME 223</td>
<td>3</td>
<td>ME 213</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ME 351</td>
<td>3</td>
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<td><strong>Total</strong></td>
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### Junior

<table>
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</thead>
<tbody>
<tr>
<td>ENGL 321</td>
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<td>ECE 301</td>
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<tr>
<td>ME 331</td>
<td>4</td>
<td>ME 361</td>
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</tr>
<tr>
<td>ME 352</td>
<td>3</td>
<td>ME 442</td>
<td>3</td>
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<tr>
<td>PHYS 355 (ME Tech Elective)</td>
<td>3</td>
<td>ME 454</td>
<td>3</td>
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<tr>
<td>PHYS 411</td>
<td>3</td>
<td>PHYS 350 (ME Tech Elective)</td>
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<tr>
<td>PHYS 411L</td>
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<td>PHYS 361 (ME Tech Elective)</td>
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<td><strong>18</strong></td>
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<tr>
<td>Course</td>
<td>Fall Credits</td>
<td>Spring Credits</td>
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<tr>
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<td>ME 412</td>
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<td>ME 443</td>
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<td>ME 462</td>
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<td>ME 457</td>
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<td>ME 421</td>
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<tr>
<td>ME 461</td>
<td>3</td>
<td>Physics Elective</td>
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<td>PHYS 485</td>
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<td>Social &amp; Behavioral Science Gen Ed</td>
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<td>ENGR 327</td>
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Total Credits: 136

**Degree Notes:**

- Students who transfer any 30 or more credits into the program are not required to take ME 111.
- No grade less than 'C' is accepted to fulfill any of the degree requirements.
- Admission to the dual major requires a minimum 2.70 GPA
- A 2.50 cumulative GPA is required for graduation.