# Mechanical Engineering

**125 credit hours total**

<table>
<thead>
<tr>
<th>FALL</th>
<th>YEAR 1</th>
<th>SPRING</th>
<th>YEAR 2</th>
<th>FALL</th>
<th>YEAR 3</th>
<th>SPRING</th>
<th>YEAR 4</th>
<th>SPRING</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEN 160 (1)</td>
<td>College of Engineering Orientation</td>
<td>DEN 161 (1)</td>
<td>Engineering Problem Solving</td>
<td>PR/CO: MATH 150</td>
<td><em>COMM 106 (3)</em></td>
<td>Public Speaking</td>
<td>KSC-2</td>
<td>NE 495 (3)</td>
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<td><em>ENGL 100 (3)</em></td>
<td>Expository Writing I</td>
<td>KSC-1</td>
<td>PR: ENGL 100</td>
<td><em>ENGL 200 (3)</em></td>
<td>Expository Writing II</td>
<td></td>
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</tbody>
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| (15 credit hours) | (17 credit hours) | (17 credit hours) | (16 credit hours) | (15 credit hours) | (15 credit hours) | (15 credit hours) | (15 credit hours) | (15 credit hours) |

**Key**
- = Prerequisite for another course
- = Prerequisite requirement
- = Prerequisite or concurrent requirement
- = Class applies as specialization if applicable
- = K-State Core (KSC) course
- = See department approved electives
- = Only offered in the semester shown

Flowchart is for advising purposes only. Students are responsible for complying with University Catalog requirements.
Mechanical Engineering Curriculum Notes

- To graduate with a Bachelor of Science in mechanical engineering, students must have a $\geq 2.200$ GPA in all ME/NE classes $\geq 400$ level taken for undergraduate credit at Kansas State University. Course grades that have been removed by the K-State Retake policy will not apply to this GPA calculation.

- Currently admitted students will only be allowed to transfer in one ME/NE numbered course as required by the curriculum; however, ME 533, ME 574, ME 575 and ME 573 must be taken within the MNE department.

- Currently admitted students will be allowed to transfer one of the three required MNE technical electives with the exception of the $\geq 600$ level MNE technical elective.

Technical Electives
Mechanical engineering students can pursue a formal option in nuclear engineering or a mechanical engineering subplan in one the following specialization areas:

- Advanced systems
- Engineering mechanics and materials
- Mechatronics systems
- Thermal and fluids systems

Technical Elective Lists, Mechanical Engineering Specialization Areas and Nuclear Engineering Option information can be found at mne.k-state.edu/student-success/advising.

To pursue a minor, please contact your advisor for more information.

FINAN 450 Principles of Finance (3 credit hours) can substitute for IMSE 530 Engineering Economic Analysis (2 credit hours) only for students who successfully complete the Business Minor.

K-State Core
The K-State Core (KSC) is the university’s version of the systemwide general education framework established by the Kansas Board of Regents.

KSC requirement 1 – English (6 hours)
KSC requirement 2 – Communications (3 hours)
KSC requirement 3 – Math and Statistics (3 hours)
KSC requirement 4 – Natural and Physical Sciences (4-5 hours)
KSC requirement 5* – Social and Behavioral Sciences (6 hours)
KSC requirement 6* – Arts and Humanities (6 hours)
KSC requirement 7 – Institutional Electives (6 hours)

To view course lists for each requirement, visit k-state.edu/provost/kstate-core.

*Requires two courses from two different subject areas.