<table>
<thead>
<tr>
<th>Program Articulation Degree Plan</th>
<th>2023-2024</th>
<th>Southern Illinois University Carbondale</th>
<th>Mechanical Engineering (ME) - 126 hrs</th>
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<tbody>
<tr>
<td><strong>Elgin Community College</strong></td>
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<td><strong>University Core Curriculum (UCC)</strong></td>
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<tr>
<td><strong>Associate in Science - 60 hours</strong></td>
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<td><strong>Hrs</strong></td>
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<tr>
<td><strong>UNIV 101 Saluki Success NA</strong></td>
<td>3</td>
<td><strong>ENGL 101 English Composition I</strong></td>
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<td><strong>ENG 101 English Composition I</strong></td>
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<td><strong>ENGL 102 English Composition II</strong></td>
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<td><strong>ENG 102 English Composition II</strong></td>
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<td><strong>CMST 101 Intro to Oral Communication</strong></td>
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<td><strong>HUM 101 Fundamentals of Speech</strong></td>
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<td><strong>MATH 150 (Required for BS degree)</strong></td>
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<tr>
<td><strong>MTH 190 Calculus with Analytic Geometry</strong></td>
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<tr>
<td><strong>ECN 201 Principles of Microeconomics</strong></td>
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<td><strong>TENG 102 English Composition II</strong></td>
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<td><strong>IAI Behavioral Science</strong></td>
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<td><strong>TENG 103 Oral Communication</strong></td>
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<td><strong>IAI Humanities</strong></td>
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<td><strong>TVN 201 Introduction to Microeconomics</strong></td>
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<td><strong>HUMANITIES</strong></td>
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<td><strong>TAX 201 Taxation</strong></td>
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<td><strong>LIFE SCIENCE</strong></td>
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<td><strong>TAX 202 Federal Taxation</strong></td>
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<td><strong>TAX 203 State Taxation</strong></td>
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<tr>
<td><strong>PHY 211 Engineering Physics</strong></td>
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<td><strong>TAX 204 Local Taxation</strong></td>
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<tr>
<td><strong>EGR 152 Statics</strong></td>
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<td><strong>TAX 205 General Business Taxation</strong></td>
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<tr>
<td><strong>EGR 252 Dynamics</strong></td>
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<td><strong>TAX 206 Individual Income Taxation</strong></td>
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<tr>
<td><strong>BIO 113 Molecular &amp; Cellular Biology</strong></td>
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<td><strong>ENGR 222 Computational Methods for Engineers and Technologists</strong></td>
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<td><strong>ENGR 370A Fluid Mechanics</strong></td>
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<td><strong>ME 300 Engineering Thermodynamics II</strong></td>
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<td><strong>EGR 252 Dynamics</strong></td>
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<td><strong>ME 301 Engineering Heat Transfer</strong></td>
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<td><strong>EGR 172 Mechanics of Materials</strong></td>
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<td><strong>ME 302 Mechanical Analysis &amp; Design</strong></td>
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<td><strong>PHY 212 Engineering Physics II</strong></td>
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<td><strong>ME 312 Materials Science Fundamentals</strong></td>
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<tr>
<td><strong>CHM 142 General Chemistry I</strong></td>
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<td><strong>ME 336 System Dynamics and Control</strong></td>
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<tr>
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<td><strong>ME 401 Thermal Measurements Lab</strong></td>
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<td><strong>MTH 210 Calculus with Analytic Geometry II</strong></td>
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<td><strong>ME 407 Measurements &amp; Instrumentation</strong></td>
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<td><strong>ME 411 Manufacturing Methods for Engineering Materials</strong></td>
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<td><strong>ME 475 Machine Design I</strong></td>
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<tr>
<td><strong>EGR 152 Statics</strong></td>
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<td><strong>ME 495A Mechanical Engineering Design</strong></td>
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<td><strong>EGR 252 Dynamics</strong></td>
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<td><strong>ME 495B Mechanical Engineering Design</strong></td>
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<td><strong>EGR 172 Mechanics of Materials</strong></td>
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<td><strong>ME Electives Choose from 400 level ME courses</strong></td>
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Total semester hrs completed w/ AS degree: 73
Total semester hrs completed w/ BS degree: 59
Total hrs to BS Degree: 132