FIRST YEAR

Fall (12 credit hours, 14 contact hours)
ENC 1101 English Composition I – GEP 1 3(3,0)
*EGR 1006C Intro to the Engr Prof 1 1(1,2)
*MAC 2311C Calc. I with Analytic Geometry – C1 4(4,0)
Pick One - CHS 1440 Principles of Chemistry or 4(3,1)
*CHM 2045C Chemistry Fundamentals I – GEP 11

Spring (15 credit hours, 19 contact hours)
ENC 1102 English Composition II – GEP 2 3(3,0)
SPC 1608 Oral Communications – GEP 3 3(3,0)
*EGR 1007C Eng Concepts & Methods 1(1,2)
*MAC 2312 Calculus II with Analytic Geometry 4(4,0)
*PHY 2048C General Physics Using Calculus I 4(3,3)

Summer (10 credit hours, 11 contact hours)
*MAC 2313 Calc. III w/ Analytic Geometry 4(4,0)

SECOND YEAR

Fall (13 credit hours, 15 contact hours)
*EGN 3321 Engineering Analysis - Dynamics 3(3,0)
*MAP 2302 Differential Equations 3(3,0)
*PHY 2049C General Physics Using Calculus II 4(3,3)
*EGN 3365 Structure & Properties of Materials 3(3,0)

Spring (12 credit hours, 12 contact hours)
*EGN 3373 Principles of Electrical Engr 3(3,0)
*EGN 3343 Thermodynamics 3(3,0)
*EGN 3310 Engr Analysis Statics 3(3,0)
*EGN 3343 Thermodynamics 3(3,0)
*EGN 3373 Principles of Electrical Engr 3(3,0)

Summer (9 credit hours, 9 contact hours)
*STA 3032 Prob. & Statistics for Engineers – C2 3(3,0)
EML 4142 Heat Transfer 3(3,0)
EML 4225 Introduction to Vibrations & Controls 3(3,0)

THIRD YEAR

Fall (15 credit hours, 18 contact hours)
EML 3933 Career/Academic Advising I 0(0,0)
*EGN 3043C Modeling Methods in MAE 3(3,1)
*EGN 3303C Mechanical Engr Measurements 3(2,3)
*EML 3500 Design & Analysis of Machine Components 3(3,0)
Life Sciences Foundation – GEP 12 3(3,0)

Spring (15 credit hours, 15 contact hours)
*EML 4142 Heat Transfer 3(3,0)
*EML 4225 Introduction to Vibrations & Controls 3(3,0)
*Approved Technical Elective 3(3,0)
*Approved Technical Elective 3(3,0)
*Approved Technical Elective 3(3,0)
*Approved Technical Elective 3(3,0)

Fourth Year

Fall (15 credit hours, 18 contact hours)
EML 4931 Career/Academic Advising II 0(0,0)
*EML 4502C Engineering Design II 3(2,4)
*Approved Technical Elective 3(3,0)
*Laboratory Course (Choose 1 of 2) 3(2,3)
*Option Course (Choose 1 of 5) 3(3,0)
*Cultural Or Historical Foundation – GEP 6 3(3,0)

Spring (12 credit hours, 18 contact hours)
*EML 4502C Engineering Design II 3(2,4)
*Approved Technical Elective 3(3,0)
*Laboratory Course (Choose 1 of 2) 3(2,3)
*Option Course (Choose 1 of 5) 3(3,0)

IMPORTANT NOTICES:
*Grade of “C” (2.0) or better is required in these courses.
Coursed should be taken in the noted term or in a previous term, if your schedule permits, and as long as all prerequisites for that course have been met.

Please meet with your advisor if you have any questions regarding your schedule. Do not drop any course before discussing this action with your advisor. There may be alternative options.

If you are not ready to begin the Calculus sequence upon entry to the Mechanical Engineering curriculum, it is imperative that you meet with your advisor to plan a personalized program of study. Mathematics and physics are cornerstones of a quality engineering program and it is important for your academic career that you proceed accordingly.

ALL Mechanical Students Will Select 2 of 5 Courses (6 Credit Hours):

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EML 4143 Heat Transfer II</td>
<td>3(3,0)</td>
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<tr>
<td>EML 3101 Thermodynamics of Mech Systems</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>EML 4313 Inter Systems Dynamics &amp; Controls</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>EML 4504 Design &amp; Analysis of Mach Comp II</td>
<td>3(3,0)</td>
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<tr>
<td>EML 4703 Fluid Mechanics II</td>
<td>3(3,0)</td>
</tr>
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</table>

ALL Mechanical Students Will Select 1 of 2 Laboratory Courses (3 Credit Hours):

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>EML 4301C Mechanical Systems Lab</td>
<td>3(2,3)</td>
</tr>
<tr>
<td>EML 4306C Energy Systems Lab</td>
<td>3(2,3)</td>
</tr>
</tbody>
</table>

Revised: 04/08/2020