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<th>YEAR</th>
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<td>ETCS 105 CAREER DISCOVERY</td>
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<td>CHEM 107 ENGINEERING CHEMISTRY I Pre-Req: TMAT 135</td>
<td>MATH 170 CALCULUS I Pre-Req: Placement exam, MATH 141 OR TMAT 155</td>
<td>PHYS 170 GENERAL PHYSICS I Co-Req: MATH 170</td>
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<td>MATH 180 CALCULUS II Pre-Req: MATH 170</td>
<td>PHYS 180 GENERAL PHYSICS II Co-Req: MATH 180, Pre-Req: PHYS 170</td>
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<td>MENG 211 ENGINEERING MECHANICS I (Static) Pre-Req: PHYS 170, MATH 180</td>
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<td>MENG 260 CALCULUS III Pre-Req: MATH 180</td>
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<td>MENG 221 STRENGTH OF MATERIALS Pre-Req: MENG 211 &amp; MATH 180</td>
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<td>MENG 240 THERMODYNAMICS Pre-Req: PHYS 225, CHEM 107</td>
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<td>MENG 321 INTRO TO COMPUTER AIDED DESIGN Pre-Req: MENG 105, MENG 212, MENG 221</td>
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<td>EENG 201 INTRO TO ELECTRICAL ENGINEERING*** Pre-Req: MATH 170, PHYS 170</td>
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<td>MENG 310 INTRODUCTION TO MATERIAL SCIENCE Pre-Req: CHEM 107 OR CHEM 110</td>
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<td>MENG 370 MACHINE DESIGN Pre-Req: MENG 221</td>
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<td>MENG 324 VIBRATIONS AND SYSTEM Pre-Req: MENG 212, MATH 320</td>
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<td>MENG 349 HEAT TRANSFER Pre-Req: MENG 240, MATH 320</td>
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<td>MENG 309 SOCIAL SCIENCE: TECHNOLOGY AND GLOBAL ISSUES**</td>
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<td>ICLT 3XX LITERATURE CHOICE**</td>
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<td>ICWR 101 FOUNDATIONS OF COLLEGE COMPOSITION Pre-Req: Placement exam</td>
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** Pre-Req: FCIQ 101, FCSP 105, FCSC 101, FCWR 151

*** Students are able to take EENG 212 Electrical Circuits I and Engineering Tools in lieu of EENG 201. Seek Chairperson’s permission for substitution.

Course names, numbers and/or pre-requisites are subject to change.