This sheet applies to the 2010-2011 catalog only. It does not replace the full catalog or departmental advising sheets as official statements of requirements. Students with declared majors must work with a faculty advisor on course selection and sequencing to ensure a timely graduation.

<table>
<thead>
<tr>
<th>General Studies</th>
<th>42 min.</th>
<th>Students who have reached junior standing (60 hrs) should request a CAPP (graduation compliance report) and review it with a faculty advisor.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major courses</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>Additional Requirements</td>
<td>11</td>
<td></td>
</tr>
<tr>
<td>Concentration</td>
<td>24</td>
<td></td>
</tr>
<tr>
<td>Total to graduate (min. 40 hrs upper division)</td>
<td>128 min</td>
<td></td>
</tr>
</tbody>
</table>

**GENERAL STUDIES**

**Composition**
- ENG 1010-3 Freshman Comp: the Essay
- ENG 1020-3 Freshman Comp: Anal., Rsrch & Docum.

**Mathematics**
- MTH 1400-4 Pre-Calculus Math
*(Note: MTH 1110 and MTH 1120 are prerequisites for MTH 1400 and may be substituted.)*

**Communications**
- SPE 1010-3 Public Speaking

**Historical**
- -3

**Arts & Letters**
- PHI 1030-3 Ethics
- -3

**Social Sciences**
- ECO 2010-3 Principles of Economics: Macro
- -3

**Natural Sciences**
- CHE 1800-4 General Chemistry I
- PHY 2311-4 General Physics I
- PHY 2321-1 General Physics I Lab
- PHY 2331-4 General Physics II
- PHY 2341-1 General Physics II Lab

**Multicultural Requirement**
*(may be satisfied within General Studies, major, minor or electives)*
- -3

**MAJOR COURSES:** Minimum of “C” or higher for all prerequisites to progress.
- MET 1000-3 Introduction to Mechanical Engineering
- MET 1010-3 Manufacturing Processes
- MET 1200-3 Technical Drawing I
- MET 1210-3 3D Modeling
- MET 1310-3 Principles of Quality Assurance
- MET 2200-3 Materials of Engineering
- MET 3110-3 Thermodynamics
- MET 3160-3 Mechanics II-Dynamics
- MET 3180-3 Fluid Mechanics I
- MET 3210-4 Introduction to Computer Aided Engineering-Programming
- MET 3410-3 Geometric Dimensioning and Tolerancing
- MET 4000-3 Project Engineering
- CET 2150-3 Mechanics I-Statics

**Additional Technical Requirements**
- EET 2000-3 Electric Circuits & Machines
- EET 3010-4 Industrial Electronics

**Additional Requirements**
- COM 2610-3 Introduction to Technical Writing
- MTH 1410-4 Calculus I
- MTH 2410-4 Calculus II

**Mechanical Concentration**
- MET 3070-3 Machine Design
- MET 3120-2 Heat Transfer
- MET 3140-1 Heat Transfer Laboratory
- MET 3190-3 Fluid Mechanics II
- MET 3320-3 Instrumentation Laboratory
- MET 3xxx-3 Upper-division MET elective
- MET 3xxx-3 Upper-division MET elective
- MET 4070-3 Computer Aided Design (Senior Experience)
- MET 4280-3 Advanced Energy Technology

**Recommended Math Minor for MET Students:**
The Mechanical Engineering Technology program recommends that students pursue a minor in Mathematics. See the catalog for the combination of math classes for MET students.