### SENIOR YEAR

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<tr>
<th></th>
<th>FALL</th>
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<tbody>
<tr>
<td>CVET 4120, Structures</td>
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<tr>
<td>MFET 4200, Engineering Cost Analysis</td>
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<tr>
<td>CVET Elective</td>
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<tr>
<td>Understanding of Ideas and Values*</td>
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<tr>
<td>CVET 4140, Water and Waste Water</td>
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<td>CVET 4160, Transportation</td>
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<td>CVET 4690, Senior Design</td>
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<td>MGMT 3820, Management Concepts</td>
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</table>

*Actual degree plans may vary depending on availability of courses in a given semester.*

*Some courses may require prerequisites not listed.*

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**Electronics Engineering Technology (ELET)**

The electronics engineering technology concentration is designed to develop the technical and personal knowledge and skill necessary to compete successfully in today’s electronics industry. The program builds on a strong foundation in mathematics and science and includes courses in network analysis, linear electronics, digital electronics, communication systems and control systems. Computer utilization is an integral part of all electronics courses and most courses include a laboratory to provide the necessary hands-on experience for an applied program of study. The student’s technical background is further enhanced by taking selected courses from other engineering technology concentrations. The development of technical communication and presentation skills is a requirement throughout the curriculum. The electronics engineering technology concentration is accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology (Accreditation Director for Engineering Technology, Accreditation Board for Engineering and Technology, 111 Market Place, Suite 1050, Baltimore, MD 21202).

### BS in Engineering Technology

*Following is one suggested four-year degree plan. Students are encouraged to see their adviser each semester for help with program decisions and enrollment.*

#### BS in Engineering Technology Concentration in Electronics Engineering Technology

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<tr>
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<tbody>
<tr>
<td>ELET 1700, Circuit Analysis I*</td>
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<tr>
<td>ENGL 1310, College Writing I</td>
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<tr>
<td>MATH 1650, Pre-Calculus*</td>
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<tr>
<td>PSCI 1040, American Government</td>
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<tr>
<td>Wellness*</td>
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<tbody>
<tr>
<td>CSCI 1110, Program Development</td>
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<td>ELET 1710, Circuit Analysis II</td>
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<td>ELET 1720, Electronics I</td>
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<tr>
<td>ENGL 2210, World Literature I</td>
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#### FRESHMAN YEAR

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<tr>
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<tbody>
<tr>
<td>CHEM 1420, General Chemistry</td>
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<tr>
<td>CHEM 1440, General Chemistry Laboratory</td>
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<tr>
<td>ELET 2720, Digital Logic</td>
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<tr>
<td>ELET 2740, Electronics II</td>
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<tr>
<td>ENGL 2220, World Literature II</td>
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<td>MATH 1720, Calculus II</td>
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<tbody>
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<td>ELET 2750, Introduction to Microprocessors</td>
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<td>ELET 2770, PC Board Design and Fabrication</td>
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<tr>
<td>ENGL 2700, Technical Writing</td>
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<td>PHYS 1710, Mechanics</td>
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<tr>
<td>PSCI 1050, American Government</td>
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*See Arts and Sciences notes in supplement booklet for footnotes.*
Manufacturing Engineering Technology (MFET)

The manufacturing engineering technology concentration prepares students for professional careers in the manufacturing environment. Manufacturing engineering technologists apply scientific and engineering knowledge and methods in support of engineering activities. While manufacturing engineering technologists share much of the mathematics and science background of engineers, their academic preparation tends to emphasize technical skills and applications resulting in a practical orientation. The major thrust of the manufacturing engineering technology curriculum is that of factory automation. Graduates commonly take positions in research and development, process specification and design, reliability/quality assurance and tool design. The manufacturing engineering technology concentration is accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology (Accreditation Director for Engineering Technology, Accreditation Board for Engineering Technology, 111 Market Place, Suite 1050, Baltimore, MD 21202).

BS in Engineering Technology

Following is one suggested four-year degree plan. Students are encouraged to see their adviser each semester for help with program decisions and enrollment.

BS in Engineering Technology
Concentration in Manufacturing Engineering Technology

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>FALL</th>
<th>HOURS</th>
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<tbody>
<tr>
<td>CHEM 1420, General Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1440, General Chemistry Laboratory</td>
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</tr>
<tr>
<td>ENGL 1310, College Writing I</td>
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<td>MATH 1650, Pre-Calculus</td>
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<td>MEET 1280, Engineering Graphics</td>
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<tr>
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<tbody>
<tr>
<td>ECON 1110, Principles of Macroeconomics</td>
<td>3</td>
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<tr>
<td>ENGL 2700, Technical Writing</td>
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<tr>
<td>MATH 1710, Calculus I</td>
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<td>MFET 1220, Manufacturing Processes and Materials</td>
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<td>PHYS 1710, Mechanics</td>
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<tr>
<td>PHYS 1730, Laboratory in Mechanics</td>
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