# Applied Engineering & Technology Management, B.S. - Computer-Aided Drafting & Design Concentration

## Major in Appl Engineering & Tech Mgt

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TECHNICAL OPTION</strong></td>
<td></td>
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</tr>
<tr>
<td>AENG 110</td>
<td>Communication and Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>AENG 120</td>
<td>Energy Systems</td>
<td>3</td>
</tr>
<tr>
<td>AENG 130</td>
<td>Production Materials &amp; Processes</td>
<td>3</td>
</tr>
<tr>
<td>AENG 241</td>
<td>Drafting Communications</td>
<td>3</td>
</tr>
<tr>
<td>AENG 243</td>
<td>Technical Sketching, Design &amp; Rendering</td>
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<tr>
<td>AENG 342</td>
<td>Computer-Aided Engineering Drawing</td>
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<tr>
<td>AENG 344</td>
<td>Product Design</td>
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<tr>
<td>AENG 345</td>
<td>Statics/Strength of Materials</td>
<td>3</td>
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<tr>
<td>AENG 346</td>
<td>Architectural Drawing</td>
<td>3</td>
</tr>
<tr>
<td>AENG 347</td>
<td>Engineering Visualization</td>
<td>3</td>
</tr>
<tr>
<td>AENG 446</td>
<td>Advanced Applications in Drafting and Design</td>
<td>3</td>
</tr>
<tr>
<td>AENG 448</td>
<td>Machine Tool Design</td>
<td>3</td>
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<tr>
<td><strong>TECHNOLOGY MANAGEMENT CORE</strong></td>
<td></td>
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</tr>
<tr>
<td>BUAD 251</td>
<td>Principles of Management (C- minimum pre-req for MGMT 452)</td>
<td>3</td>
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<tr>
<td>MGMT 452</td>
<td>Operations and Supply Chain Management</td>
<td>3</td>
</tr>
<tr>
<td>AENG 492</td>
<td>Technical Entrepreneurship</td>
<td>3</td>
</tr>
<tr>
<td>AENG 494</td>
<td>Total Quality Management</td>
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<tr>
<td>OSEH 120</td>
<td>Fundamentals of Safety, Health, Environmental Issues</td>
<td>3</td>
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<tr>
<td><strong>ELECTIVE COURSES IN TECHNOLOGY MANAGEMENT</strong></td>
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<td>A maximum of 6 internship credits (ITEC 300, 400) may be counted for this degree.</td>
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<td>Technology Management Electives - Choose 3 of the following:</td>
<td>9-27</td>
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<tr>
<td>BUAD 161</td>
<td>Intro to Financial Accounting</td>
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<tr>
<td>BUAD 352</td>
<td>Human Resource Management</td>
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<tr>
<td>BUAD 353</td>
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<tr>
<td>MGMT 357</td>
<td>International Management</td>
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<tr>
<td>AENG 300</td>
<td>Co-Op Ed Experience in AENG</td>
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<tr>
<td>AENG 392</td>
<td>Intro to Industrial Training</td>
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<tr>
<td>AENG 400</td>
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<tr>
<td>OSEH 221</td>
<td>Industrial Fire Prevention, Protection and Control</td>
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<tr>
<td>OSEH 320</td>
<td>Safety Engineering Principles</td>
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<tr>
<td>OSEH 323</td>
<td>Human Factors in OSEH</td>
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<tr>
<td>OSEH 333</td>
<td>Introduction to System Safety</td>
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<tr>
<td>PSYC 329</td>
<td>Industrial Psychology</td>
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<tr>
<td>SOCY 318</td>
<td>Soc Of Complex Organizations</td>
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<tr>
<td><strong>Req Related for Applied Engineering, Tech/Mgt</strong></td>
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<tr>
<td>Code</td>
<td>Title</td>
<td>Hours</td>
</tr>
<tr>
<td>ECON 101</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 102</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 130</td>
<td>Elements of Statistics 1</td>
<td>3</td>
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<tr>
<td>Calculus - Choose 1 of the following:</td>
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<tr>
<td>MATH 151</td>
<td>Calculus for Management</td>
<td></td>
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<tr>
<td>MATH 160</td>
<td>Pre-calculus</td>
<td></td>
</tr>
<tr>
<td>MATH 161</td>
<td>Calculus 1</td>
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<td>Directed Science - Choose 2 of the following:</td>
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<tr>
<td>CHEM 101</td>
<td>Chem!Better Things/Better Livng</td>
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<tr>
<td>CHEM 103</td>
<td>Gen Organic and Biochemistry 1</td>
<td></td>
</tr>
<tr>
<td>CHEM 104</td>
<td>Gen Organic and Biochemistry 2</td>
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<tr>
<td>CHEM 205</td>
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<tr>
<td>PHYS 103</td>
<td>Elements of Physics</td>
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<tr>
<td>PHYS 104</td>
<td>Applied Physics</td>
<td></td>
</tr>
<tr>
<td>PHYS 131</td>
<td>Physics 1 with Algebra</td>
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</tr>
<tr>
<td>PHYS 132</td>
<td>Physics 2 with Algebra</td>
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<tr>
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