# Mechanical Engineering Technology Degree

*2-Year A.A.S. Degree*

**http://www.pcc.edu/programs/mechanical-engineering/**

*(Portland Community College 2016-2017 Catalog)*

**Total Credits Required:** 101

**Location:** Portland Community College, Sylvania Campus  
**ST 200**

**Department Chair:** Tara Nelson  
**tara.nelson1@pcc.edu**  
**971.722.8087**

**Student Advisor:** Linda Browning  
**linda.browning@pcc.edu**  
**971.722.8730**

Program Prerequisites: Placement in MTH 65, WR 121

Equipment: TI-89 calculator

**Note:** All students must have an advising interview with a CMET advisor.

## First Term (CMET courses offered Winter)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMET 110</td>
<td>Statics</td>
<td>4</td>
</tr>
<tr>
<td>CMET 111</td>
<td>Portland Design: Bikes, Bridges &amp; Brews</td>
<td>4</td>
</tr>
<tr>
<td>CMET 112</td>
<td>Tech. Algebra / Trigonometry</td>
<td>4</td>
</tr>
<tr>
<td>ENGR 102</td>
<td>Engineering Graphics</td>
<td>3</td>
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</table>

**Total: 15**

## Second (CMET courses offered Spring)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CMET 121</td>
<td>Strength of Materials</td>
<td>4</td>
</tr>
<tr>
<td>CMET 122</td>
<td>Global Energy Physics</td>
<td>4</td>
</tr>
<tr>
<td>CMET 123</td>
<td>Tech. Algebra / Analytic Geometry</td>
<td>4</td>
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<tr>
<td>WR 121</td>
<td>English Composition</td>
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</table>

**Total: 16**

## Third (CMET courses offered Summer)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CMET 131</td>
<td>Applied Calculus</td>
<td>8</td>
</tr>
<tr>
<td>CMET 213</td>
<td>Fluid Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>CMET 227</td>
<td>Applied Electricity Fundamentals</td>
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<td>General Education</td>
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**Total: 17**

## Fourth Term (CMET courses offered Fall)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CMET 226</td>
<td>Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>CMET 133</td>
<td>Materials Technology</td>
<td>3</td>
</tr>
<tr>
<td>CMET 221</td>
<td>Environmental Systems</td>
<td>3</td>
</tr>
<tr>
<td>CH 101</td>
<td>Inorganic Chemistry Principles</td>
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<tr>
<td>COMM 111</td>
<td>Speech Communications</td>
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**Total: 18**

## Fifth Term (CMET courses offered Winter)

<table>
<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
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<tbody>
<tr>
<td>ENGR 262</td>
<td>Manufacturing Processes</td>
<td>4</td>
</tr>
<tr>
<td>CMET 212</td>
<td>Thermodynamics I</td>
<td>4</td>
</tr>
<tr>
<td>CMET 211</td>
<td>Environmental Quality</td>
<td>4</td>
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<tr>
<td>CMET 241</td>
<td>Structural Steel Drafting</td>
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<tr>
<td>CMET 254</td>
<td>CMET Seminar</td>
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<td></td>
<td>General Education</td>
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**Total: 19**

## Sixth Term (CMET courses offered Spring)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>CMET 235</td>
<td>Machine Design</td>
<td>3</td>
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<tr>
<td>CMET 237</td>
<td>MET Applied CAD</td>
<td>3</td>
</tr>
<tr>
<td>CMET 222</td>
<td>Thermodynamics II</td>
<td>4</td>
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<tr>
<td>CMET 223</td>
<td>Project Management</td>
<td>3</td>
</tr>
<tr>
<td>CMET 236</td>
<td>Structural Design</td>
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**Total: 16**

## Additional Classes for Green Technology and Sustainability Option

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EET 110</td>
<td>Introduction to Renewable Energy</td>
<td>3</td>
</tr>
<tr>
<td>SOC 228</td>
<td>Intro. to Environmental Sociology</td>
<td>4</td>
</tr>
<tr>
<td>GEO 265</td>
<td>Intro to GIS</td>
<td>4</td>
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## Recommended Classes for Fall 2016

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENGR 102</td>
<td>Engineering Graphics</td>
<td>3</td>
</tr>
<tr>
<td>Math</td>
<td></td>
<td></td>
</tr>
<tr>
<td>General Education</td>
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updated: 9-27-16