MANUFACTURING
ENGINEERING TECHNOLOGY I,
CERTIFICATE

Requirements for an undergraduate certificate may be completed at any
campus location offering the specified courses for the certificate.

Program Description
This series of engineering courses is designed for the working adult who
would like to augment their knowledge in the workplace with practical
engineering courses. This certificate is designed to teach critical skills
and knowledge needed to function effectively in today’s manufacturing
workplace.

What is Manufacturing Engineering
Technology?
Manufacturing engineering is a field that covers the many processes
involved in the production of a particular object.

You Might Like This Program If…
- You enjoy working with processes and materials.
- You want to add this knowledge and skills to you engineering
  portfolio.

Program Requirements
To earn an undergraduate certificate in Manufacturing Engineering
Technology I, a minimum of 15 credits is required.

It is recommended that participants take the following classes in order.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDSGN 100</td>
<td>Introduction to Engineering Design</td>
<td>3</td>
</tr>
<tr>
<td>EGT 114</td>
<td>Spatial Analysis and Computer-Aided Drafting</td>
<td>2</td>
</tr>
<tr>
<td>IET 101</td>
<td>Manufacturing Materials, Processes, and Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>IET 215</td>
<td>Production Design</td>
<td>2</td>
</tr>
<tr>
<td>IET 216</td>
<td>Production Design Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MATH 4</td>
<td>Intermediate Algebra</td>
<td></td>
</tr>
<tr>
<td>MATH 21</td>
<td>College Algebra I</td>
<td></td>
</tr>
<tr>
<td>MATH 22</td>
<td>College Algebra II and Analytic Geometry</td>
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</tbody>
</table>

No Prerequisites Required.

Academic Advising
The objectives of the university’s academic advising program are to help
advisees identify and achieve their academic goals, to promote their
intellectual discovery, and to encourage students to take advantage of
both in-and out-of class educational opportunities in order that they
become self-directed learners and decision makers.

Both advisers and advisees share responsibility for making the advising
relationship succeed. By encouraging their advisees to become engaged
in their education, to meet their educational goals, and to develop the
habit of learning, advisers assume a significant educational role. The
advisee’s unit of enrollment will provide each advisee with a primary
academic adviser, the information needed to plan the chosen program of
study, and referrals to other specialized resources.

READ SENATE POLICY 32-00: ADVISING POLICY (http://senate.psu.edu/
policies-and-rules-for-undergraduate-students/32-00-advising-policy)

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