

Program:	Manufacturing and Mechanical Engineering Technology - MMET
Degree:	BS
Department:	Engineering Technology and Industrial Distribution
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<b>Outcome</b>	<b>Master the depth of knowledge required for a degree</b>
Marketable Skills	<ul style="list-style-type: none"> <li>• (1) apply knowledge, techniques, skills and modern tools of mathematics, science, engineering, and technology to solve well-defined engineering problems appropriate to the discipline</li> <li>• (4) conduct standard tests, measurements, and experiments and to analyze and interpret the results</li> </ul>

<b>Outcome</b>	<b>Demonstrate critical thinking</b>
Marketable Skills	<ul style="list-style-type: none"> <li>• (2) design solutions for well-defined technical problems and assist with engineering design of systems, components, or processes appropriate to the discipline</li> <li>• *Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems</li> <li>• *Identifying complex problems and reviewing related information to develop and evaluate options and implement solutions.</li> <li>• *Considering the relative costs and benefits of potential actions to choose the most appropriate one</li> </ul>

<b>Outcome</b>	<b>Communicate effectively</b>
Marketable Skills	<ul style="list-style-type: none"> <li>• (3) apply written, oral, and graphical communication in well-defined technical and non-technical environments; and an ability to identify and use appropriate technical literature</li> <li>• *The ability to listen to and understand information and ideas presented through spoken words and sentences</li> <li>• *The ability to communicate information and ideas in writing so others will understand</li> <li>• *The ability to communicate information and ideas in speaking so others will understand</li> <li>• *Providing information to supervisors, co-workers, and subordinates by telephone, in written form, e-mail, or in person.</li> </ul>

<b>Outcome</b>	<b>Practice personal and social responsibility</b>
Marketable Skills	<ul style="list-style-type: none"> <li>• (5) function effectively as a member of a technical team</li> <li>• *being sensitive to others' needs and feelings and being understanding and helpful on the job</li> <li>• (i) ability to understand professional, ethical and social responsibilities</li> </ul>

<b>Outcome</b>	<b>Demonstrate social, cultural, and global competence</b>
Marketable Skills	<ul style="list-style-type: none"> <li>• (j) A respect for diversity and knowledge of contemporary professional, societal and global issues.</li> </ul>

<b>Outcome</b>	<b>Prepare to engage in lifelong learning</b>
Marketable Skills	<ul style="list-style-type: none"> <li>• (h) understanding of the need for and an ability to engage in self-directed continuing professional development.</li> </ul>

<b>Outcome</b>	<b>Work collaboratively</b>
Marketable Skills	<ul style="list-style-type: none"> <li>• (5) function effectively as a member of a technical team</li> <li>• *Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times</li> <li>• *Adjusting actions in relation to others' actions</li> </ul>

Notes:

- Marketable skills listed with an asterisk (\*) for this example program were drawn from the Knowledge, Skills, and Abilities identified by the US Department of Labor and Statistics for “electrical engineers” as published on O\*Net Online (onetonline.org)
- Marketable skills listed with a letters (a)-(k) or (1) – (5) for manufacturing and mechanical engineering technology were drawn from ABET Criterion 3.