# Bachelor of Science in Materials Science and Engineering

## Department of Materials Science and Engineering

Mapping of Program Outcomes to ABET 3A-K and Program Criteria

<table>
<thead>
<tr>
<th>ABET CRITERIA</th>
<th>PROGRAM OUTCOMES</th>
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<tbody>
<tr>
<td>a. Apply knowledge of Math, Science and Engineering</td>
<td>PO1</td>
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<tr>
<td>b. Design experiments and analyze data</td>
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<tr>
<td>c. Design and produce a material to meet a need</td>
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<tr>
<td>d. Work in multidisciplinary teams</td>
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<td>e. Combine 1-5 to assess problems and formulate solutions</td>
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<td>f. Understand and practice professional and ethical responsibilities</td>
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<td>g. Communicate effectively</td>
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<td>h. Be broadly educated and understanding of engineering solutions in a global and social context</td>
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<td>i. Recognize the need for life-long education and practice</td>
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<td>j. Demonstrate awareness of contemporary societal issues</td>
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