An Interdisciplinary Assistive Technology Minor Based on “Making”

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Our Assistive Technology Minor teaches OTs and Bioengineers to design and build assistive technologies using 3D printing, CAD, cardboard carpentry, programming and electronics.

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<tr>
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<th>OT Students</th>
<th>BME Students</th>
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<tr>
<td>Year 2 Spring</td>
<td>Foundations of Inclusive Educational Practice</td>
<td>Fabrication of Assistive Technologies: Hardware</td>
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<td>Year 3 Fall</td>
<td>Fabrication of Assistive Technologies: Hardware</td>
<td>Fabrication of Assistive Technologies: Software &amp; Electronics</td>
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<td>Year 3 Spring</td>
<td>Fabrication of Assistive Technologies: Studio</td>
<td>Foundations of Inclusive Educational Practice</td>
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<td>Year 4 Fall</td>
<td>Fabrication of Assistive Technologies: Hardware</td>
<td>Fabrication of Assistive Technologies: Software &amp; Electronics</td>
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<td>Year 4 Spring</td>
<td>Environmental Adaptations &amp; Rehabilitation Technology</td>
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RELEVANT ACOTE STANDARDS
- B.3.2. Interaction of Occupation and Activity
- B.3.6. Activity Analysis
- B.4.2. Clinical Reasoning
- B.4.3. Occupation-Based Interventions
- B.4.9. Remediation and Compensation
- B.4.10. Provide Interventions and Procedures
- B.4.11. Assistive Technologies and Devices
- B.4.12. Orthoses and Prosthetic Devices
- B.4.13. Functional Mobility
- B.4.15. Technology in Practice
- B.4.18. Grade and Adapt Processes or Environments
- B.4.25. Principles of Interprofessional Team Dynamics

RELEVANT ABET STANDARDS FOR BIOMEDICAL ENGINEERING
- ABET 2019-2020 Principles of Interprofessional, Team Dynamics

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