<table>
<thead>
<tr>
<th>upon completion of the B.S.Ed. program, the student will</th>
<th>where assessed</th>
</tr>
</thead>
<tbody>
<tr>
<td>possess and be able to teach and assess basic <strong>knowledge and skills</strong> in technology and engineering education, as outlined in the <em>Standards for Technological Literacy</em>, the <em>Framework for K-12 Science Standards</em>, and applicable state standards</td>
<td>PRAXIS II Student Teaching Field Work</td>
</tr>
<tr>
<td>understand and be able to foster and assess student acquisition of age-appropriate technology and engineering <strong>concepts</strong>, as outlined…</td>
<td></td>
</tr>
<tr>
<td>demonstrate an ability to plan and maintain a safe, flexible, and age-appropriate <strong>learning environment</strong> which promotes inquiry and problem-based learning; and demonstrate the skills and knowledge to operate equipment and handle materials safely</td>
<td>Student Teaching (also TE 215 / TE 217)</td>
</tr>
<tr>
<td>demonstrate an ability to design and adapt rigorous, appealing, standards-based <strong>student challenges</strong> which require students to research, design, test, and redesign solutions to ill-defined problems, and which meaningfully integrate studies of mathematics, science, engineering, technology, and other subjects</td>
<td>Student Teaching (also TE 399 / TE 400 / EDTE 425)</td>
</tr>
<tr>
<td>demonstrate an ability to adjust <strong>instructional approaches</strong> in response to differing learning styles; to manage multiple, disparate student activities simultaneously; and to design and administer assessments which promote continuous reflection and improvement of teaching and learning</td>
<td>Student Teaching</td>
</tr>
</tbody>
</table>

**MS program**

<table>
<thead>
<tr>
<th>upon completion of the M.S. program, the student will</th>
<th>where assessed</th>
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</thead>
<tbody>
<tr>
<td>demonstrate an ability to critically assess technological and educational tends, and when appropriate, promote change in technology and engineering education</td>
<td>capstone (comprehensive exam or project)</td>
</tr>
</tbody>
</table>