### Curriculum Record Form for an Academic Minor in Integrative STEM Education Methods

**Minor:** Integrative STEM Education Methods  
**Total credit hours required:** 18.0 minimum  
**Department:** Applied Engineering, Safety & Tech

#### Regulations Governing Minor Course Work:
1. There shall be a minimum of 18.0 credit hours with a minimum Millersville QPA of 2.0.
2. Only one course which counts toward your major may be counted toward your minor.
3. Courses that count toward a minor are also eligible to be used to satisfy the current University-wide General Education requirements subject to normal distribution requirements.
4. At least two courses should be at the upper-division level (300-400). Exceptions may be requested upon evidence of program depth.
5. No course needed for the minor may be taken Pass-Fail.
6. One-half or more of the work required for the minor must be completed at Millersville University.
7. No student may minor in his or her major.

#### REQUIRED COURSES (18.0 credits)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Short Title</th>
<th>C.H.</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>ERCH 110</td>
<td>Intro Early Childhood Education *</td>
<td>3.0</td>
<td></td>
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<tr>
<td>ERCH 190</td>
<td>Intro Integrative STEM Pedagogy **</td>
<td>3.0</td>
<td></td>
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<tr>
<td>ITEC 344</td>
<td>Product Design **</td>
<td>3.0</td>
<td></td>
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<tr>
<td>EDTE/ERCH 290</td>
<td>Children's Engineering **</td>
<td>3.0</td>
<td></td>
</tr>
<tr>
<td>EDTE 490</td>
<td>Integrative Learning using Experiential Strategies **</td>
<td>3.0</td>
<td></td>
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<tr>
<td>EDTE/ERCH 495</td>
<td>Integrative STEM Education Practicum ***</td>
<td>3.0</td>
<td></td>
</tr>
</tbody>
</table>

#### Minor Admission Requirement:
Student must be either Early Childhood Education Pre-K to Grade 4 (BSE ERCH) major or dual Early Childhood and Special Education Pre-K to Grade 8 (BSE ECSP) major and meet appropriate qualifications.

* This course is reserved for ERCH/ECSP majors and has certain requirements for admission.

** These courses have prerequisites of sequential order. Please consult minor advisor.

*** This course requires Advanced Professional Studies (APS) status prior to enrollment, which includes completion of at least 60 credits (in addition to other criteria for teacher education candidates).

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**Note to the student:** This form is provided as a guide. It is your responsibility to consult regularly with your advisor to be aware of changes and curriculum details which are not incorporated on this form.

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ISEM-101  
FALL 2015