Post-Baccalaureate Certificate in Integrated STEM (iSTEM) Instructional Leadership (PreK-6) with an option to complete a Master’s in Human Resources Development, Educational Leadership Track

<table>
<thead>
<tr>
<th>iSTEM PBC (= Electives in the Master’s Program)</th>
<th># Credits</th>
<th>Core Courses in Master’s Program</th>
<th># Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCIE 650 Engineering in iSTEM Education</td>
<td>3</td>
<td>ILPD 716 Leadership of the Schools</td>
<td>3</td>
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<tr>
<td>BIOL 651 Environmental &amp; Biological Science in iSTEM Education</td>
<td>3</td>
<td>ILPD 781 Seminar in Supervision</td>
<td>3</td>
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<tr>
<td>MTED 650 Mathematics in iSTEM Education</td>
<td>3</td>
<td>ILPD 667 Curriculum and Assessment</td>
<td>3</td>
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<tr>
<td>SCIE 652 Earth-Space &amp; Physical Science in iSTEM Education</td>
<td>3</td>
<td>ILPD 740 Data-Based Decision Making</td>
<td>3</td>
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<tr>
<td>ILPD 742 Transformational Leadership and Professional Development</td>
<td>3</td>
<td>ILPD 603 School Law</td>
<td>3</td>
</tr>
<tr>
<td>SCIE 685 Practicum in iSTEM Education</td>
<td>3</td>
<td>ILPD 797 Internship in Educational Leadership</td>
<td>3</td>
</tr>
<tr>
<td><strong>iSTEM Credits</strong></td>
<td><strong>18</strong></td>
<td><strong>Master’s Core Credits</strong></td>
<td><strong>18</strong></td>
</tr>
</tbody>
</table>

What do you earn?

- *Towson University* Human Resources Development, Educational Leadership (M.S.)
- *Towson University* Integrated STEM (iSTEM) Instructional Leadership (PreK-6) (P.B.C.)
- *MSDE Approved* Administrator I Certificate
- *MSDE Approved* Instructional Leader – STEM (PreK-6) Endorsement

What do you learn?

- *Leadership*: A focus on creating leaders with knowledge and skills to support school and classroom cultures where everyone learns, including *all* students and *all* who teach them.
- *Equity*: A focus on leadership that supports real, relevant and rigorous integrated STEM education that is accessible and engaging for *all* students.
- *Innovative Educational Technology*: Teacher engagement in a range of educational technologies to support 21st century instruction.
- *Collaboration*: Collaborative learning among program professors and participants, and within participants’ schools and school systems.

Is this program online, blended, or both?

- The iSTEM PBC program is blended, with just over 50% face-to-face (on TU’s main campus) and just under 50% online instruction.
- The core courses in the Educational Leadership program can be taken online or face-to-face.

~ See page 2 for the answers to: “How do you do it?” ~
# How do you do it?

<table>
<thead>
<tr>
<th>Option 1: If you know you want the iSTEM PBC and you think you may want to continue on to get your Master’s degree.</th>
<th>Option 2: If you know you want to earn the Master’s with the iSTEM PBC.</th>
</tr>
</thead>
</table>
| 1. Apply to the iSTEM PBC.  
2. If admitted, take the iSTEM PBC courses over 6 semesters.  
3. During your iSTEM PBC coursework – or even after you finish* - apply to the Master’s program. Include in your application:  
  a. That you are enrolled in the iSTEM PBC.  
  b. A list of iSTEM courses you have already taken (and that will transfer into the Master’s program).  
4. If admitted, take the sequence of six core courses in the Educational Leadership program, which can be completed in as little as one year. |
| 1. Apply to the Master’s in Human Resource Development, Educational Leadership program. In your application materials, be sure to:  
  a. Include in your resumé your STEM instructional experiences.  
  b. Address in your personal statement your interest in educational leadership and STEM instructional experiences.  
  c. Ask your recommenders to address your leadership activities and capabilities.  
2. After being admitted, contact your advisor to indicate that you are pursuing the iSTEM PBC as your electives  
3. Take the iSTEM PBC courses first over six semesters.  
4. Follow these with the six core courses in the Educational Leadership program, which can be completed in as little as one year. |

* As with any master’s program at Towson University, you must complete all coursework towards the Master’s (including iSTEM PBC coursework) within seven years.

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**Questions about the Master’s core?**  
Contact Carla Finkelstein  
Ed Leadership Program Director  
cfinkelstein@towson.edu  
410-704-2974  
[https://www.towson.edu/coe/departments/leadership/grad/hr/](https://www.towson.edu/coe/departments/leadership/grad/hr/)

**Questions about the iSTEM PBC?**  
Contact Pamela Lotero-Perdue  
iSTEM Program Director  
plottero@towson.edu  
410-704-4598  
[https://www.towson.edu/fcsm/departments/physics/grad/stempbc/](https://www.towson.edu/fcsm/departments/physics/grad/stempbc/)