RESIDENTIAL TRANSITION TO TEACHING PROGRAM
ENGINEERING TECHNOLOGY TEACHER EDUCATION

Grade Levels 5-12
REPA 3

PROGRAM AREA CONTACT: Nathan Mentzer (nmentzer@purdue.edu)

PROGRAM ADMISSION ELIGIBILITY PATHWAYS

To be eligible for program admission one (1) of the following entrance qualifications must be met:
1. A graduate degree in the subject area you wish to teach.
2. A bachelor’s degree with a GPA of at least 3.00/4.00 in the subject area you wish to teach.
3. A bachelor’s degree with a GPA of 2.50/4.00 and 5 years of professional work experience in the subject area you wish to teach.
4. A bachelor’s degree and a passing score on the Pearson Indiana Secondary (Grades 5-12) Content Test(s) in the subject area you wish to teach.

Compatible Areas/Acceptable Undergraduate Majors

Content Knowledge Assessed/Transcript Evaluation
Engineering/Technology Teacher Education Residential TTT applicants will be required to demonstrate knowledge and application of the following Technology content areas:

- Communication Technology (Communication System, Sketching, Computer-Aided Drafting, Application of Communication Processes, Electronic Media)
- Design Technology (Engineering Design Process, Parametric Modeling)
- Manufacturing Technology (Manufacturing Systems and Resources, Application of Manufacturing Processes)
- Power and Energy (Energy Systems, Control Systems, Mechanisms, Basic Electricity, Basic Electronics, Digital Electronics)
- Transportation Technology (Transportation Systems)

PROFESSIONAL EDUCATION

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Description</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EDCI</td>
<td>59100</td>
<td>Transition to Teaching: Pedagogy I</td>
<td>3</td>
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<tr>
<td>EDCI</td>
<td>58500</td>
<td>Multicultural Education or</td>
<td>3</td>
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<tr>
<td>EDPS</td>
<td>53000</td>
<td>Advanced Educational Psychology (3)</td>
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<tr>
<td>TLI</td>
<td>46100</td>
<td>Engineering/Technology Teacher Lab Planning$^1$</td>
<td>3</td>
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<tr>
<td>TLI</td>
<td>46200</td>
<td>Methods of Teaching Engineering/Technology Education$^1$</td>
<td>3</td>
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<tr>
<td>TLI</td>
<td>36100</td>
<td>Engineering And Technology Education Instructional Planning And Evaluation</td>
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<tr>
<td>EDCI</td>
<td>69500</td>
<td>Internship in Education$^2$</td>
<td>3</td>
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Semester Hours: Total 18

$^1$TLI 46100 and TLI 46200 may be used on the student’s graduate plan of study if they are followed by an appropriate 60000-level course, EDCI 69500 – Internship in Education.

$^2$The EDCI 69500 Internship in Education spans 16 weeks.