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)
- **Construction Technology** (Architecture, Construction Systems and Resources, Application of Construction Processes, Statics and Strength of Materials)
- **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>Description</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EDCI 59100</td>
<td>Transition to Teaching: Pedagogy I</td>
<td>3</td>
</tr>
<tr>
<td>EDCI 58500</td>
<td>Multicultural Education or</td>
<td>3</td>
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<tr>
<td>EDPS 53000</td>
<td>Advanced Educational Psychology (3)</td>
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<tr>
<td>TLI 46100</td>
<td>Engineering/Technology Teacher Lab Planning¹</td>
<td>3</td>
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<tr>
<td>TLI 46200</td>
<td>Methods of Teaching Engineering/Technology Education¹</td>
<td>3</td>
</tr>
<tr>
<td>TLI 36100</td>
<td>Engineering And Technology Education Instructional Planning And Evaluation</td>
<td>3</td>
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<tr>
<td>EDCI 69500</td>
<td>Internship in Education²</td>
<td>3</td>
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¹TLI 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.

²The EDCI 69500 Internship in Education spans 16 weeks.

Total 18

2021 – 2022
Purdue University Teacher Education Program