RESIDENTIAL TRANSITION TO TEACHING PROGRAM

SCIENCE EDUCATION (Physics)

Grade Levels 5-12
REPA 3

PROGRAM AREA CONTACT: Lynn Bryan (labryan@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 ETS Praxis Secondary Subject/Content Exam in the subject area you wish to teach.

Compatible Areas/Acceptable Undergraduate Majors
Various Sciences fields of study

Compatible Work Experience
If the undergraduate overall GPA is between 2.5 and 2.9 at the time of the completion of the degree, documentation is required to verify a minimum of five years of work experience in a related field.

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

- General Chemistry
- Modern Physics and Laboratory
- Physics (Electricity and Magnetism)
- Modern Physics (Mathematical Methods)
- Physics (Mechanics)
- Physics (Quantum Mechanics)
- Physics (Optics/Waves and Oscillations)

**PROFESSIONAL EDUCATION**

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EDCI 59600</td>
<td>Transition to Teaching: Pedagogy I</td>
<td>3</td>
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Select one of the following:

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<tbody>
<tr>
<td>EDCI 50600</td>
<td>Environmental Education (3)</td>
<td>3</td>
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<tr>
<td>EDCI 51700</td>
<td>Survey of Science Education (3)</td>
<td>3</td>
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<td>EDCI 51800</td>
<td>The Nature of Science in Science Teaching (3)</td>
<td>3</td>
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<td>EDCI 58500</td>
<td>Multicultural Education</td>
<td>3</td>
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<tr>
<td>EDPS 53000</td>
<td>Advanced Educational Psychology</td>
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<tr>
<td>PHYS 57000</td>
<td>Selected Topics in Physics</td>
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<tr>
<td>EDCI 69500</td>
<td>Internship in Education*</td>
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*The EDCI 69500 Internship in Education spans 16 weeks.

The faculty advisor may recommend suitable, alternative courses based on course availability and individual candidate’s professional experiences and interests. Advance approval by the faculty advisor is required prior to enrolling.

Total 18