

**RESIDENTIAL
TRANSITION TO TEACHING PROGRAM**

**SCIENCE EDUCATION
(Physics)**

**Grade Levels 5-12
REPA 3**

NOT VALID WITHOUT OFFICIAL TRANSCRIPT EVALUATION

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 [Pearson Indiana Secondary \(Grades 5-12\) Content Test\(s\)](#) 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
- Physics (Electricity and Magnetism)
- Physics (Mechanics)
- Physics (Quantum Mechanics)
- Modern Physics and Laboratory
- Physics (Mathematical Methods)
- Physics (Optics/Waves and Oscillations)

PROFESSIONAL EDUCATION

		<u>Semester Hours</u>	
EDCI	59100	Transition to Teaching: Pedagogy I	3
<i>Select one of the following:</i>			3
EDCI	50600	Environmental Education (3)	
EDCI	51700	Survey of Science Education (3)	
EDCI	51800	The Nature of Science in Science Teaching (3)	
EDCI	58500	Multicultural Education	3
EDPS	53000	Advanced Educational Psychology	3
PHYS	57000	Selected Topics in Physics	3
EDCI	69500	Internship in Education*	3

Total 18

*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.