

**RESIDENTIAL  
TRANSITION TO TEACHING PROGRAM**

**SCIENCE EDUCATION  
(Life Science – Biology)**

**Grade Levels 5-12  
REPA 3**

<b>NOT VALID WITHOUT OFFICIAL TRANSCRIPT EVALUATION</b>
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**PROGRAM AREA CONTACT:** David Eichinger ([eichinge@purdue.edu](mailto:eichinge@purdue.edu)) and Selcen Guzey ([squzey@purdue.edu](mailto:squzey@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 in the subject area you wish to teach and 5 years of professional work experience.
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**

Life Sciences Education Residential TTT applicants will be required to demonstrate knowledge and application of the following Life Sciences content areas:

- Cell Structure, Function, and Laboratory
- Development, Structure, Function of Organisms, and Laboratory
- Ecology
- Organic Chemistry and Laboratory (two semesters)
- Genetics, Molecular Biology, and Laboratory
- Computer Programming, Statistics, or Probability
- General Chemistry and Laboratory (two semesters)
- Diversity, Ecology, Behavior, and Laboratory
- Physics and Laboratory (two semesters)
- Plane Analytic Geometry and Calculus I
- Diverse areas of Biology (one of the following)
  - General Microbiology
  - Principles of Development
  - Macromolecules
  - Principles of Physiology

**PROFESSIONAL EDUCATION**

EDCI 59100 Transition to Teaching: Pedagogy I

**Semester  
Hours**

**3**

***Select one of the following:***

EDCI 50600 Environmental Education (3)

EDCI 51700 Survey of Science Education (3)

EDCI 51800 The Nature of Science in Science Teaching (3)

**3**

*(Life Science – Biology Education TTT continued)*

BIOL	59500/	The Teaching of Biology in Secondary Schools	3
EDCI	42100		
EDPS	53000	Advanced Educational Psychology	3
EDCI	58500	Multicultural Education	3
EDCI	69500	Internship in Education*	3

**Total 18**

\*The EDCI 69500 Internship in Education spans 16 weeks.