

**RESIDENTIAL
TRANSITION TO TEACHING PROGRAM**

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

**Grade Levels 5-12
REPA 3**

NOT VALID WITHOUT OFFICIAL TRANSCRIPT EVALUATION

PROGRAM AREA CONTACT: Selcen Guzey (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 [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

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 59600 Transition to Teaching: Pedagogy I

**Credit
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	
EDCI	42100		3
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.

C- or above is required as the final grade in all graduate-level courses