RESIDENTIAL
TRANSITION TO TEACHING PROGRAM

SCIENCE EDUCATION
(Life Science – Biology)

Grade Levels 5-12
REPA 3

PROGRAM AREA CONTACT: David Eichinger (eichinge@purdue.edu) and Selcen Guzey (sguzey@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
- Diverse areas of Biology (one of the following)
  o General Microbiology
  o Principles of Development
- 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
  o Macromolecules
  o Principles of Physiology

PROFESSIONAL EDUCATION

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<thead>
<tr>
<th>Course</th>
<th>Semester</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EDCI 59100</td>
<td>Transition to Teaching: Pedagogy I</td>
<td>3</td>
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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)
(Life Science – Biology Education TTT continued)

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tr>
<td>BIOL 59500</td>
<td>The Teaching of Biology in Secondary Schools</td>
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<td>EDCI 42100</td>
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<tr>
<td>EDPS 53000</td>
<td>Advanced Educational Psychology</td>
<td>3</td>
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<td>EDCI 58500</td>
<td>Multicultural Education</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.

Total 18