

**RESIDENTIAL
TRANSITION TO TEACHING PROGRAM
Grade Levels 5-12**

**NOT VALID
WITHOUT
OFFICIAL
TRANSCRIPT
EVALUATION**

**SCIENCE EDUCATION
(Chemistry)
REPA 3**

PROGRAM AREA CONTACT: Please contact licensure@purdue.edu for a contact.

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

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

- Analytical Chemistry (includes laboratory as part of course)
- Calculus
- Inorganic Chemistry (includes laboratory as part of at least one of the courses)
- Physics
- Physical Chemistry and Laboratory
- Biochemistry
- General Chemistry
- Organic Chemistry and Laboratory
- Plane Analytic Geometry and Calculus

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 60800 Individualizing Instruction in the Elementary and Secondary Schools (3)	
EDCI 58500 Multicultural Education ²	3
CHM 50200 Modern Chemistry in the High School	3
EDPS 53000 Advanced Educational Psychology ²	3
EDCI 69500 Internship in Education ¹	3

Total 18

Important Notes

¹The EDCI 69500 Internship in Education spans 16 weeks.

²The 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.

It is possible to complete the program in 15 months if a candidate completes EDCI 59300 and at least one of the general education courses (EDCI 58500 and EDPS 530000) in the first summer; one of the science education electives and CHM 50200 in the fall; EDCI 69500 in the spring; and EDCI 59400 and the rest of the course requirements, if any, in the second summer.