

# Secondary STEM Indy STEM Teacher Residency (ISTR) Program

ONLINE TRANSITION TO TEACHING (TTT)

ALL STEM CONTENT AREAS

Grade Levels 5-12

REPA 3

NOT VALID  
WITHOUT  
OFFICIAL  
TRANSCRIPT  
EVALUATION

TECR Completed for the STEM Content Area of **<Insert Content Area Here>**

## 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 STEM subject area you wish to teach.
2. A bachelor's degree in the STEM subject area you wish to teach with a GPA of at least 3.00/4.00.
3. A bachelor's degree in the STEM subject area you wish to teach with a GPA of 2.50/4.00 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 STEM subject area you wish to teach.

### **To Qualify Under Pathways #1 and #2**

- A. Select one STEM subject/content area (Chemistry, Earth/Space Science, Life Science, Physical Science, Physics or Mathematics).
- B. Verify that the chosen STEM subject/content area corresponds to the major subject area stated on prior degree(s). If only a bachelor's degree is held, overall GPA must be at least 3.00/4.00.

### **To Qualify Under Pathway #3**

- A. Select one STEM subject/content area (Chemistry, Earth/Space Science, Life Science, Physical Science, Physics or Mathematics).
- B. Hold prior degree(s) in the content area in the specific STEM subject/content choice with an overall GPA range between 2.5-2.9 out of 4.0.
- C. Provide five years of documented work experience in the specific STEM subject/content choice.

### **To Qualify Under Pathway #4**

- A. Select one STEM subject/content area (Chemistry, Earth/Space Science, Life Science, Physical Science, Physics or Mathematics).
- B. Hold prior degree(s) in any subject area with no GPA minimum.
- C. For ISTR-TTT Program Admission beginning in Spring 2022, successfully pass the [ETS Praxis Secondary Subject/Content Exam](#).

## **PROGRAM, EXAMINATION, AND LICENSURE REQUIREMENTS**

1. Meet one of the Program Eligibility Pathways above.
2. Select one STEM subject/content area (Chemistry, Earth/Space Science, Life Science, Physical Science, Physics or Mathematics)
3. Receive and reference the *Transcript Evaluation and Credential Review (TECR)* with assigned faculty, staff, and/or licensure advisor(s).
4. Apply to and be admitted to the MS degree program [Interdisciplinary MS in Secondary STEM Education via Purdue Online/Graduate School](#).
5. Proceed with and complete coursework listed on the TECR with no grade lower than a C-.
6. Before the internship attempt the [ETS Secondary Praxis Content Exam](#) in the identical ISTR program content choice.
7. Pass the appropriate content exam, along with the [ETS Secondary Education Pedagogy Exam](#) prior to applying for an [Indiana Initial Instructional License](#).
8. If desired, add secondary subject/content areas by passing content exams (Grades 5-12), except those areas that require additional coursework.

### **REQUIRED COURSEWORK**

### **Semester Hours**

|      |       |   |                  |
|------|-------|---|------------------|
| EDCI | 58500 | Multicultural Education   | <b>3</b>         |
| EDCI | 59600 | Transition to Teaching: Pedagogy I                              | <b>3</b>         |
| EDCI | 59700 | Transition to Teaching: Pedagogy II                             | <b>3</b>         |
| EDCI | 58800 | Integrated STEM Education Methods                               | <b>3</b>         |
| EDCI | 59100 | Introduction to Teaching K-12 Engineering and Technology Design | <b>3</b>         |
| EDCI | 69500 | Teaching Internship (16 weeks)                                  | <b>3</b>         |
|      |       |   | <hr/>            |
|      |       |   | <b>Total: 18</b> |

**Completion of the above noted exams and coursework will be required for Indiana licensure. Indy STEM Teacher Residency (ISTR) Program participants also take additional coursework towards completion of the MS degree, along with meeting other specific requirements of the Indy STEM Teacher Residency (ISTR) Program.**