

21ST CENTURY STEM TEACHERS SCHOLARSHIP PROGRAM

The 21st Century STEM Teachers Scholarship Program aims to strengthen Indiana's future by expanding the number of students who pursue a degree and career in K-12 STEM teaching and who develop enhanced knowledge and skills for integrating engineering design into science, mathematics, and technology instruction.

SCHOLARSHIPS ARE UP TO \$5,000 PER SEMESTER, \$10,000 PER YEAR

**Available Now for the Current Spring 2025 Semester
and the Fall 2025 Semester**

21st Century STEM Teachers Scholarship Requirements

- Admitted to or currently enrolled as a full-time student in a Purdue University undergraduate degree program in secondary mathematics education, secondary science education, secondary engineering and technology education, elementary education, or dual licensure in elementary education and special education.
- Have a GPA of 3.0/4.0 or greater at the time of application and maintain a minimum GPA of 3.0/4.0 during your degree program.
- Be a U.S. citizen or permanent resident.
- Commit to teaching for a minimum of **one year in an Indiana high-needs or rural school or school district for each year of scholarship support.**
 - Scholars sign a contractual agreement that scholarship monies must be returned if the teaching requirement is not completed.
- Complete the K-12 Integrated STEM Education degree concentration.
- Work with STEM education faculty as part of a mentoring program.
- Participate in an induction program during the first 2 years of teaching.

Learn more about the scholarship and apply at:

<https://www.education.purdue.edu/catalyst/scholarship-information/twentyfirst-century-stem-teachers/>



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FAQS

1. How much is the scholarship?

The scholarship is up to \$5,000 per semester (\$10,000 per year). The scholarship may be renewed for subsequent semesters for a total of four years. Renewal is based on: (1) continuation of grant funding for the scholarship and (2) the recipient continuing to meet the eligibility requirements.

2. If this is a scholarship, why do I have to return the monies if the teaching requirement is not completed?

The scholarship is structured as a forgivable loan. For each year that you fulfill your teaching requirement in an Indiana high-need or rural school or district, one year of scholarship will be forgiven (i.e., the loan balance is reduced by an amount equivalent to one year of scholarship).

3. Who is eligible for the scholarship?

High school seniors through college-level juniors may apply. The scholarship is for students in an undergraduate degree program in secondary mathematics education, secondary science education, secondary engineering and technology education, elementary education, or dual licensure in elementary education and special education. Applicants must be admitted to or currently enrolled in a Purdue University degree program with the intention of completing a Baccalaureate degree in one of the majors listed above AND the K-12 Integrated STEM Education degree concentration. Students must have a GPA of 3.0/4.0 or greater when they apply. In addition, applicants must be a U.S. citizen or permanent resident.

4. How will recipients be chosen?

Applications will be reviewed by a panel that includes at least one faculty member from the disciplinary field of the candidate's interest. Recipients will be selected based on academic record, statement of educational and career goals, and letters of recommendation.

5. When is the application deadline?

Applications for the Spring 2025 semester are due by February 28, 2025. Applications for the Fall 2025 semester will be reviewed starting on March 15, 2025, and continue until all scholarships have been awarded. Students who apply for Spring 2025 are automatically considered for Fall 2025.

6. How many scholarships are available?

We have approximately 6 scholarships currently available.

7. Where do I have to teach after I graduate? How do I know which schools are high-need or rural?

Scholarship recipients must teach in an Indiana high-needs or rural school or district to meet the scholarship requirements. Purdue faculty will assist you with determining whether or not the schools you are considering are high-need or rural. In general, a high-need school is located in an area where at least 40 percent of students in a school or in the school district are economically disadvantaged. A rural school is located in an area that is at least 5 miles from an urbanized area (city).

8. In addition to the scholarship money, what are the benefits of this program?

There are many benefits to being a 21st Century STEM Teacher Scholar. Some of the benefits and opportunities include:

- You will earn a K-12 Integrated STEM Education degree concentration. The program consists of four courses (total of 7 or 8 credit hours) that prepare you for STEM teaching above and beyond the regular degree program. Teachers who earn this concentration demonstrate well-developed knowledge, skills, and practices in at least one content STEM area and learn to integrate cross-cutting content, processes, and practices. In addition, many schools in Indiana are becoming a STEM Certified School and will be seeking to hire new teachers to be leaders in STEM instruction. See the following page with information about the required courses and when they are offered.
- Purdue has an extensive network of schools and school corporations, including STEM-oriented partnerships. This network enhances our ability to help 21st Century STEM Teacher Scholars be placed in classrooms in high-need school corporations as well as school corporations experiencing a shortage of qualified teachers in STEM disciplines.
- 21st Century STEM Teacher Scholars will work with STEM education faculty as part of a mentoring program. Mentoring meetings will provide a forum for the scholars to seek advice, share experiences, and reflect on learning. In addition, the mentoring meetings will provide a venue for discussing topics for preservice/beginning teachers like edTPA requirements, conducting a successful job search, and meeting the needs of all students.
- 21st Century STEM Teacher Scholars will have opportunities to engage in service learning experiences as well as STEM education research. For example, all scholars will take at least one semester of Engineering Projects in Community Service (EPICS) where teams design, build, and deploy real systems to solve engineering-based problems for local community organizations. In addition, 21st Century STEM Teacher Scholars will have opportunities to participate in the College of Education Undergraduate Research Training Program which provides opportunities for students to work with faculty on cutting edge research projects.

For more information about the 21st Century STEM Teachers Scholarship Program, please contact:

Professor Emerita Lynn Bryan

Inaugural Director, Center for Advancing the Teaching and Learning of STEM (CATALYST)

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UNDERGRADUATE K-12 INTEGRATED

STEM EDUCATION

DEGREE CONCENTRATION

Positioning the teachers of tomorrow to best prepare the next generation of doers.

EDCI 53900 (3 CR) <i>Introduction to K-12 Integrated STEM Education</i> Spring Semester	EPCS 10100, EPCS 20100, EPCS 30100, or EPCS 40100 (1 CR) <i>Participation in EPICS</i> Fall Semester Spring Semester	EDCI 55800 (3 CR) Integrated STEM Education Methods – Secondary Fall Semester	EDCI 49000 (2 CR) <i>Engineering by Design – Elementary</i> Fall Semester	EDCI 49000 (1 CR) <i>Integrated STEM Teaching Internship</i> Fall Semester Spring Semester
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Note: Secondary Engineering-Technology Teacher Education majors can take TLI 26200 in place of EDCI 53900

