

Are you interested in becoming a **middle or high school STEM teacher**?
Are you a **college/university junior or senior** whose GPA is 3.0 or higher?



If so, you may be eligible for a
**Robert Noyce STEM Teaching
Scholarship at Purdue University**
Now available for 2018-2019!

Up to \$15,000 per year

Scan the QR code below for information and the application. **APPLY TODAY!**



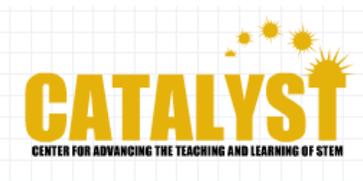
Robert Noyce STEM Teaching Scholarship Eligibility

- Admitted to or currently enrolled in a Purdue University degree program in secondary science, mathematics or technology teaching
- 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.
- Commit to teaching for a minimum of one year in a high needs school district for each semester of scholarship support. Scholars sign a contractual agreement that scholarship monies must be returned if teaching requirement is not completed.
- Complete the K-12 integrated STEM education degree concentration.
- Attend full-time to complete your Bachelor's degree and the K-12 integrated STEM education degree concentration.
- Participate in a mentoring program during the first 3 years of teaching.
- Agree to provide tracking data and participate in a research study on STEM teacher development.
- Be a U.S. Citizen or Permanent



Resident Alien.

PURDUE
COLLEGE OF EDUCATION



PROJECT EINSTEIN: ROBERT NOYCE TEACHER SCHOLARSHIP PROGRAM



FAQS

1. How much is the scholarship?

The current scholarship is up to \$15,000 per year for. However, the scholarship may be renewed for subsequent semesters for up to two years. The recipient's scholarship will be renewed based on the following conditions: (1) *the continuation of grant funding for the scholarship*, (2) *the recipient continues to meet the eligibility requirements*, and (3) *the recipient desires to continue receiving the scholarship*. The scholarships are made possible by a grant from the National Science Foundation.

2. If this is a scholarship, then why do I have to pay back the scholarship money if I do not fulfill the commitments?

The scholarship is structured as a forgivable loan. For each year that you fulfill your STEM teaching obligation in a U.S. high need school or school district, one semester of scholarship will be forgiven (i.e., the loan balance will be reduced by an amount equivalent to one semester of scholarship). The purpose of the Project EINSTEIN: Robert Noyce Teacher Scholarship Program is to prepare, support, and retain highly qualified STEM teachers in U.S. high need classrooms.

3. Who is eligible for the scholarship?

College-level juniors and seniors who are (1) accepted to or enrolled in a Purdue STEM major *and wish to transition to a STEM teaching major* OR (2) accepted to or enrolled in a Purdue STEM teaching major are eligible for the scholarship. Ivy Tech transfer students are welcome and encouraged to apply once they are accepted to Purdue. In addition, you must be a U.S. citizen or Permanent Resident Alien. Finally, you must have at least one summer and fall semester of coursework remaining (not including student teaching) to be able to earn the K-12 Integrated STEM Education undergraduate degree concentration requirement. Applicants may apply as early as their sophomore year for the following year's scholarship.

4. How will recipients be chosen?

Applications will be reviewed by a panel of faculty and recruitment specialists including at least one STEM faculty from the disciplinary field of the candidate's interest. Recipients will be selected based on academic record, statement of teaching goals, and letters of recommendation. We will seek a balance of content disciplines (Sciences, Mathematics, and Technology) and student diversity including ethnicity, gender, and socioeconomic background.

5. When is the deadline?

There is no deadline. We will review as they are submitted.

6. How many scholarships are available?

We have 5-7 scholarships currently available for the 2018-2019 academic year.

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

Purdue Integrated STEM faculty will assist you with determining whether or not the schools you are considering for your teaching position are high need. A high need school is defined by the No Child Left Behind Act of 2001 as: "Within the top quartile of elementary and secondary schools statewide, as ranked by the number of unfilled, available teacher

positions; or is located in an area where at least 30 percent of students come from families with incomes below the poverty line; or an area with a high percentage of out-of-field-teachers, high teacher turnover rate, or a high percentage of teachers who are not certified or licensed.”

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

There are any benefits to being a Project EINSTEIN: Robert Noyce Teacher Scholar, too many to be listed here!

However, below is a sampling of some of the benefits and opportunities of the program:

- You will **earn an Integrated STEM Education Degree Concentration**. The Integrated STEM Education Degree Concentration Program consists of a series of courses that prepare you for STEM teaching above and beyond the regular degree program. Teachers who earn an Integrated STEM Education Degree Concentration will demonstrate deep, flexible subject-matter knowledge and pedagogical-content knowledge in at least one STEM field; well-developed knowledge and skills to integrate cross-cutting content, processes, and practices beyond their discipline of expertise; and well-developed knowledge and skills for teaching diverse student populations. Teachers will understand the nature of STEM through the study of the practices of scientists, technologists, engineers, and mathematicians—that is, the specific knowledge and skills that form distinct practices of these respective disciplines. In addition, many schools in Indiana are working toward being named a STEM Implementation School by the Indiana Department of Education and will be seeking to hire new teachers like you to lead their school in becoming a STEM school.
- Purdue has an **extensive network of relationships with schools and school corporations**, including numerous STEM-oriented partnerships. This extensive network will enhance our ability to ensure that new Project EINSTEIN: Robert Noyce Teachers will be placed in grades 7-12 classrooms in underserved school corporations as well as school corporations experiencing a shortage of qualified teachers in secondary (middle and high school) STEM disciplines.
- Project EINSTEIN: Robert Noyce Teacher-Scholars will be a part of a **professional learning community with faculty mentors**. Faculty mentors include representatives from the Colleges of Education, Science, Technology, Engineering, and Mathematics, with many of the faculty involved in the Integrated STEM Degree Concentration Program. Mentoring meetings will provide a forum for Project EINSTEIN: Robert Noyce Teacher-Scholars to seek advice, share experiences, and reflect on learning through program activities. In addition, the professional learning community meetings will provide a venue for timely seminars on topics that are relevant to preservice/beginning teachers (e.g., navigating edTPA requirements; strategies for a successful job search; engaging the hard-to-engage student).
- Project EINSTEIN: Robert Noyce Teacher-Scholars will have opportunities to **engage in service learning experiences as well as undergraduate STEM or STEM education research**. For example, all Scholars will take at least one semester of Engineering Projects in Community Service (EPICS). EPICS is a program in which teams of undergraduates from a variety of disciplines design, build, and deploy real systems to solve engineering-based problems for local community service and education organizations. EPICS uses a service-learning model where students learn about design while meeting needs within their communities. In addition, although not required, Project EINSTEIN: Robert Noyce Teacher-Scholars will have opportunities to participate in the Undergraduate Research Training Program (URT) in the College of Education. The COE URT program provides research experiences for qualified undergraduate students at the sophomore, junior or senior level in any academic discipline who are interested in research on teaching and learning. Also, scholars many be interested in the Discovery Park Undergraduate Research Internship (DURI) program which is designed to involve Purdue undergraduates in the interdisciplinary research environment of Discovery Park. The program provides opportunities for students to work with faculty affiliated with Discovery Park on cutting edge research projects that involve combining two or more disciplinary strengths.

More questions? Please contact:

Professor Lynn Bryan
Director, Center for Advancing the Teaching and Learning of STEM
labryan@purdue.edu

UNDERGRADUATE K-12 INTEGRATED STEM EDUCATION DEGREE CONCENTRATION

WHO?

ANY PURDUE
UNDERGRADUATE WHO
LOVES TEACHING STEM
AND IS IN A TEACHER
EDUCATION PROGRAM



CATALYST

Center for Advancing the Teaching and Learning of STEM

COURSES

WHEN?

EDCI 53900 (3 cr):
*Introduction to K-12
Integrated STEM
Education*

SPRING SEMESTERS
SUMMER SEMESTER

EPCS 10100, EPCS
20100, EPCS 30100,
OR EPCS 40100 (1 cr):
Participation In EPICS

FALL SEMESTERS
SPRING SEMESTERS

EDCI 36500 (3 CR):
*Science in The
Elementary School-
STEM Section*

FALL SEMESTERS
SPRING SEMESTERS

-OR-

EDCI 55800 (3 cr):
*Integrated STEM
Education Methods-
Secondary*

FALL SEMESTERS

EDCI 49000 (1 cr):
*Integrated STEM
Teaching Internship*

FALL SEMESTERS
SPRING SEMESTERS