The Teaching Experiences for Undergraduates (TEU) program offers participants an immersive summer experience in secondary mathematics education at Brown University. Selected from a national network of 61 liberal arts institutions, TEU participants earn a generous stipend, take a 60-hour course in mathematics pedagogy, and apply what they’re learning to teaching high school students under the supervision of a master teacher-mentor.

A six-week summer program funded by the National Science Foundation, TEU aims to develop future educational leaders. If you are committed to a career in secondary education or seriously interested in exploring the possibility of such a career, apply now.

For information or to apply: TEU.vassar.edu
Application deadline: February 28, 2016
Acceptances announced: March 15, 2016
Program start date: June 20, 2016

TEU participants receive:
Generous stipend
Travel expenses
Room and board
Books and course materials
Option to earn credit for pedagogy course
Funding to attend national or regional conference on STEM education

TEU participants complete:
Mathematics pedagogy course
Teaching practicum under the supervision of a mentor
A post-summer science education leadership project at home institution

TEU applicants must be U.S. citizens or permanent residents.
Pedagogy Course

The equivalent of at least a semester-long course, the math pedagogy course is taught by mathematics faculty from Brown University. This course introduces basic principles and best classroom practices for effective classroom teaching of secondary math.

Specific areas of focus include: the Common Core Standards for Mathematical Practice, fostering of mathematical thinking in students through the use of active learning, and analysis of student work to improve teacher practice. Assignments for the course include daily readings, weekly reflections, an end-of-course self-assessment, and a closing conference.

Participants have the option of earning Brown University credit for the pedagogy course.

Teaching Practicum

During weeks three through six, participants work in teams of two, teaching a math class of their own design to students in the Brown Summer High School program. (Brown Summer High School brings around 200 local high-needs high school students to campus for four weeks each July for classes in English, history, math, and science).

A mentor, either the TEU summer director of mathematics or a local master teacher, closely supervises each teaching team. The mentor monitors each class, provides feedback, and contributes professional expertise in classroom management techniques and lesson design. Each team debriefs daily with their mentor.

The Brown TEU also includes up to two mini-workshops with visiting leaders in mathematics education.

Post TEU Activities

Leadership Project

Following the summer program, TEU participants will undertake a leadership project at their home institution. Such a project might be: serving as a math teaching assistant; peer tutoring; conducting a workshop on implementing the Next Generation Science Standards or the Common Core Mathematics Standards for other pre-service teachers at their home institution; serving as peer advisor for standards-based lesson planning; organizing or tutoring in an afterschool tutoring program at a local school; or giving a campus talk about mathematics teaching and the TEU program. At the project’s conclusion, participants will submit a brief report.

Conferences

To support ongoing connections among participants and to contribute to their leadership development, TEU will provide funds to send students to a relevant STEM meeting in the year after their participation. Relevant STEM meetings include those sponsored by the National Science Teachers Association as well as many other STEM discipline-specific educational organizations.

In addition, TEU will host follow-up conferences for TEU participants. The conference for 2016 and 2017 participants will take place in 2018. The conference for 2018, 2019, and 2020 participants will take place in 2020. Participants will attend workshops and have the opportunity to give poster and oral presentations describing the ways in which they have built on what they learned since the summer program.

Participant Support

Accommodations

Participants are housed in single rooms in dormitory-style housing. Three meals a day are provided in the campus dining hall.

Stipend and Expenses

Stipends for participants range between $2,500 and $3,500 based on their financial aid status at their home institution and whether or not they choose to receive degree credit for the pedagogy course.

Travel expenses to and from Brown University are reimbursed, and books and other course materials are provided.