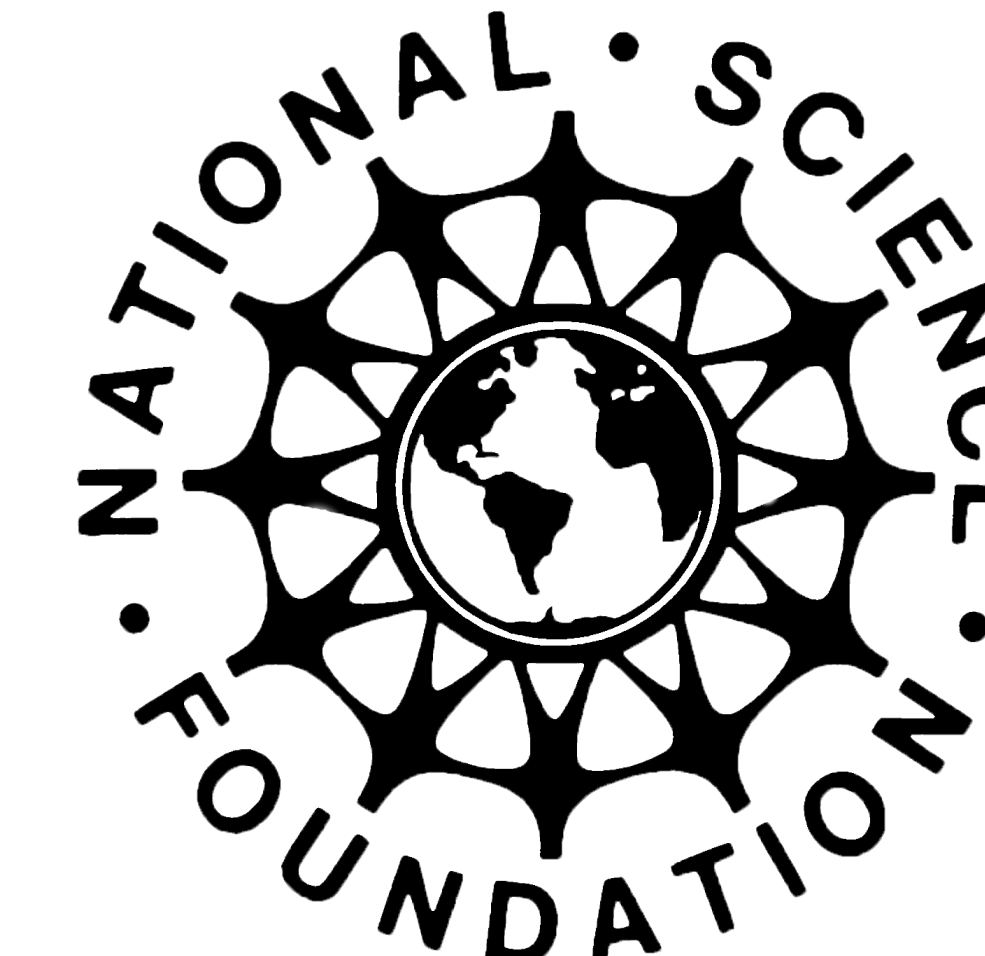




University of Vermont

Robert Noyce Program for Science Teachers

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Noyce Programs at UVM

Noyce Undergraduate Summer Science Research Program: Undergraduate first and second year students enrolled full-time in a science degree program are awarded \$4,000 to complete the 10-week summer research institute that couples aspects of 7-12 science outreach with educators engaged in scientific research at UVM.

Noyce Undergraduate Scholars Program: Undergraduate juniors and seniors enrolled full-time in a science degree program are awarded a \$12,500 scholarship per year for up to two years as they complete their science degree and 7-12 grade science teacher licensure requirements.

Noyce Graduate (MAT) Scholars Program: Science professionals and majors who have completed a BA/BS in science are awarded a \$12,500 scholarship for one year as they work towards an MAT degree and grade 7-12 science teaching certificate.

	Applicants	Awards
Summer Research Internships		
2010	11	8
2011	14	8
2012	10	7
2013	18	7
Noyce MAT Scholars		
2010-2011	16	7
2011-2012	7	7
2012-2013	5	4
2013-2014	9	5

Marketing and Recruitment Activities

- Direct e-mail solicitation to undergraduate students and faculty.
- Advertisement on UVM Noyce Scholars' Web page, on social media, via list serves, and on various department websites in College of Arts and Sciences and College of Education and Social Service.
- Noyce posters around campus in key locales.
- Class announcements by science and education faculty.
- Direct mailing to other institutions particularly with students from underrepresented groups.
- Informational meetings.
- Collaboration with current and former Noyce Scholars and Summer Research Interns and their research advisors to spread the word.

Noyce Scholar Selection Process

- Identify academically competent undergraduate and graduate science students who demonstrate a strong interest in becoming teachers in high need schools, meet secondary education program admission requirements, and have minimum of 3.0 GPA.
- Submit formal application to the secondary education program, including academic transcripts, 3 letters of recommendation, an academic or professional writing sample, and a two-page essay describing interest in science and teaching in high need schools.
- Review by selection committee consisting of PI, Co-PI's and faculty representatives to award most qualified students while keeping financial need and diversity in mind.
- Using the UVM Noyce 4-point scale admissions rubric, applications are assessed based on academic merit, recommendations, writing ability, and interest in teaching in high need schools.

Noyce Scholar Initiatives at UVM

- Orientation at Burlington's ECHO Science Education Center to outline program criteria, initiate community building activities, and learn about ECHO research, exhibits, and programs.
- Ongoing monthly seminars conducted by UVM faculty, visiting scientists and science teachers.
- Informal monthly "brown bag" lunches to address programmatic and teacher development questions and maintain student retention and interest in the program.
- Field-trips to university and industry-based science centers to enrich the overall science experiences for students.
- Presentation of action research projects at the local science conferences and the Noyce Annual Conferences by scholars.

Program Evaluation

Phase 1: Recruitment Efficacy

- How important and effective were the recruitment activities for students that enrolled in the program?

Phase 2: Program Efficacy

- How important and effective is the coursework and field experience for student learning and development?

Phase 3: Placement Efficacy

- Do graduates of this program seek job placements in high poverty rural and urban schools?
- What % work in such locales after graduation?

