

National Science Foundation Robert Noyce Program UCSB CalTeach Physical Sciences and Engineering Undergraduate Internship Application Form

**Due: Friday, March 16, 2018 by 5 pm to the Teacher Education Program
(TEP) Office, Education Building, Room 3230**

Summary of Scholarship Program: The Robert Noyce Program is funded by the National Science Foundation. Approximately 10 Noyce CTPSE Undergraduate Internships will be awarded for Summer 2018 through Spring 2019. Interns will learn first hand about the processes of teaching and learning science and engineering. They will engage with high school teachers and their students in science and engineering classes held at Dos Pueblos High School.

Eligibility: CTPSE Internships are only open to UCSB undergraduates pursuing an undergraduate degree in chemistry, physics, or engineering (including computer science). The National Science Foundation requires that Noyce participants be United States citizens, permanent residents, or nationals.

Selection: CTPSE Internship applicants will be evaluated using the following four criteria: (1) achieved excellence in academic performance, (2) strength of subject matter preparation, (3) quality of personal narrative, and (4) potential to serve as a teacher in a high-need school.

Application Process: The selection of applicants is a two-stage process. First, written applications will be assessed using the above four criteria. Written applications for these Internships are due **Friday, March 16, 2018**.

Second, those applicants who pass this initial screening process will be invited to an in-person interview to be scheduled sometime in early Spring.

Program Requirements: CTPSE Interns are expected to complete their agreed-upon school placement hours (see details below). They must act in a professional manner at their school site. They must also attend regular seminars over the course of their internship. Finally, they are expected to participate in ongoing research and evaluation of the UCSB Noyce CTPSE Program.

The Noyce CTPSE Internship consists of a 6-week intensive summer experience (with an award of **up to a \$2,000 summer stipend**) and regular participation during the academic year (with an award of **up to a \$1,000 stipend per quarter**). Note that if a student is receiving academic credit for participating in a classroom, he or she cannot receive a stipend for the same hours.

The 6-week intensive experience will begin the Monday before the K-12 schools start in Santa Barbara (toward the end of August) and will extend to the day before UCSB begins (typically a Wednesday in late September). Interns will receive a stipend of up to \$2,000 for their active and intensive involvement at their high school placement during the summer experience. They will be

expected to attend their school each day from 8 am to 5 pm and to complete readings and projects assigned for homework. During part of their first week, the orientation week, Interns will interact with their mentor teachers, learn relevant science and engineering content, review expectations for behavior and participation, and discuss the reasoning behind teachers' curricular and instructional choices. This orientation might also include completing one or more of the projects high school students will complete during the school year. Throughout the rest of this six-week experience, Interns will observe and participate in high school engineering and science classes. Interns will also attend a weekly two-hour seminar at UCSB or at a participating high school to discuss their internship experience. They will be expected to complete written reflections about their experiences in classrooms as well.

During each of the three academic quarters, Interns will be encouraged to continue their participation at their high school placement. Interns will receive up to a \$1,000 stipend for 7 hours of participation each week for 10 weeks. (Interns who participate less than 7 hours a week will receive a prorated stipend.) Interns also will be expected to attend a monthly seminar to discuss their school placement experiences. They will be encouraged to participate in CTPSE-sponsored educational enrichment activities held approximately two times a quarter at UCSB as well.

Finally, Interns will be required to participate in the evaluation of CTPSE and will be encouraged to participate in the research component of this project as well.

Personal Information:

Name: _____

Address: _____

City, State, Zip: _____

Phone: _____

Email: _____

Gender: _____ Date of birth: _____

US status (Citizen, Permanent Resident, US National): _____

Ethnicity: _____ First language: _____

Language(s) spoken: _____

Degree of fluency with language(s): _____

Education/Content Preparation:

Name and location (city) of the high school that you attended: _____

Name, location (city), and dates of community colleges or universities attended other than UCSB:

UCSB intended or declared major: _____

UCSB expected date of graduation: _____

UCSB cumulative GPA to date: _____

Grade explanation: If you would like us to take into consideration any circumstances concerning your GPA, please describe them (work, illness, family obligations, etc.). _____

Are you the first in your family to attend college? Yes No

Have you had courses in CalTeach/SMI at UCSB? These courses include ED 111, ED 123, ED 125, ED 3A/128, ED 4A/129, ED 130, ED 131, ED 132, ED 133, ED 134/MATH 181A, ED 135/MATH 181B, ED 136/ENV S 136, ED 137, CHEM 102, EEMB 127, EEMB 182, EEMB 189, ENV S 127A, ENV S 127B, ENV S 149, ENV S 166 FP, MATH 100A, PHYS 120, PHYS 160J. Please list those completed below:

What experience, if any, have you had working with students (camp counselor, outreach program, tutor, etc.)? _____

Have you completed or will you complete the UCSB Minor in Science and Mathematics Education? Yes No

How did you hear about the Noyce CTPSE Program?

Narrative:

Please attach a typed, single-spaced, one-to-two page narrative describing the following in detail: (1) why you want to participate as a Noyce Intern in a local high school; (2) your interest in science and/or engineering; (3) your experiences working with K-12 students or other undergraduates in a teaching/tutoring/mentoring role; (3) how this opportunity intersects with your future career plans; and (4) any socioeconomic difficulties, disabilities, or other challenges you face or have faced.

Transcript(s):

Attach an unofficial copy of your university transcript(s).

Acknowledgments and Signature: I acknowledge that the above information is correct to the best of my knowledge. I authorize the Noyce CTPSE Selection Committee to view my academic records to verify and assess my qualifications.

I also agree to volunteer to participate in evaluation and research activities associated with this Noyce CTPSE Program. Evaluation and research activities include filling out demographic information, allowing oneself to be videotaped in classrooms, completing surveys, and participating in interviews. I understand that there are no direct personal benefits of the evaluation and research to me except that to apply for Noyce Internship funds, I must also participate in the evaluation and research activities. There is negligible risk associated with participation in these activities since no individual identities will be used in any resulting reports or publications.

Name (printed): _____

Signature: _____ Date: _____

Questions? Call Sue Johnson at (805) 893-8091 or email sjohnson@education.ucsb.edu.