



# University of New Hampshire

## CULTURALLY RESPONSIVE AND EFFECTIVE STEM TEACHING (CREST): A NOYCE SCHOLARSHIP PROGRAM AT THE UNIVERSITY OF NEW HAMPSHIRE

The CREST Program, a Noyce Scholarship Program, funded by the National Science Foundation, brings together the UNH Education Department and the programs offering STEM disciplines (science, technology, engineering, and mathematics) to enhance the quantity and quality of STEM teachers in middle schools and high schools. The Program offers up to \$15,000 in annual scholarships for undergraduates and up to \$18,500 for graduate students to encourage them to enter STEM education careers in high-needs districts.

### Qualifications:

- Be a STEM discipline major or currently hold a bachelor's degree in a STEM field.
- Must be at least a second semester sophomore at time of application (57 credits earned or in process).
- It is preferred that applicants have completed or be enrolled in Education 500/935 at the time of application. Applicants may be able to waive this qualification by completing the *Successful Experience with Children Verification* form included with this application packet.
- Students applying for scholarships to cover graduate education must also apply for admission to the graduate program in Education by February 1.

### Requirements following receipt of funds:

- For each year of funding received, program participants must teach in a high-need school district for two years following graduation. In addition to the long list of qualifying schools provided at <https://www.tcli.ed.gov/CBSWebApp/tcli/TCLIPubSchoolSearch.jsp>, graduates may also teach in districts where STEM disciplines are in critical shortage. *Failure to uphold this teaching requirement results in the scholarship converting into a repayable loan.*
- Scholarship recipients must participate in professional development activities including guest speakers, an annual conference, online mentorship, etc.
- Recipients must complete a master's degree in education through the UNH Education Department.
- Scholarship recipients must agree to provide tracking data until completion of program and teaching requirement (including changes in address/email address and annual proof of employment as a STEM teacher).
- Recipients must agree to be part of programmatic evaluation on teacher development until all requirements of the program are met, including surveys and focus group participation regarding their growth and capacity as teachers.

If you have questions, contact Dawn Meredith, Professor of Physics, at [dawn.meredith@unh.edu](mailto:dawn.meredith@unh.edu) or by phone at 862-2063.

# **Application Deadlines**

**Applications packets are reviewed as soon as completed**

**Applications received by July 1 are considered for that fall; applications received by December 1 are considered for that spring**

Submit complete application packet including enclosures to:

(electronic submissions - preferred)

Scanned documents can be sent to:

**Leitzel.Center@unh.edu**

Please use subject line: CREST Noyce Scholarship

(mail submissions)

**The Joan and James Leitzel Center**

University of New Hampshire

Parsons Hall N117

23 Academic Way

Durham, NH 03824

(hand deliveries)

**Leitzel Center**

Parsons Hall N117

Attn.: Sandy Coit

## **Your application packet should include:**

- Completed and signed application form.
- Official transcripts for all undergraduate credits earned. Current UNH students may submit unofficial transcripts.
- Essay of 200-500 words.
- Three letters of recommendation (at least one addressing academic work and at least one addressing work with children or youth). These letters should be e-mailed or mailed directly to the Leitzel Center by your recommenders.
- Successful Experience with Children/Youth Verification Form (only for applicants who have not taken EDUC 500 or 935).

## UNH CREST Noyce Teacher Scholarship Application

Personal Information (please type of print clearly)

First Name \_\_\_\_\_ Last Name \_\_\_\_\_

Email \_\_\_\_\_ Phone \_\_\_\_\_

Permanent mailing address \_\_\_\_\_  
\_\_\_\_\_

UNH mailing address \_\_\_\_\_  
\_\_\_\_\_

Date of Birth \_\_\_\_\_ UNH ID# \_\_\_\_\_

Have you been convicted of a felony crime? If yes, please explain. \_\_\_\_\_  
\_\_\_\_\_

Optional Personal Information—*This information is not required, but it is useful for statistical and reporting information.*

U.S. Citizen \_\_\_\_ Yes \_\_\_\_ No Permanent resident \_\_\_\_ Yes \_\_\_\_ No  
If you are a permanent resident or citizen born outside the United States, you may be asked to provide a copy of U.S. Citizenship and Immigration Services documentation.

Ethnicity \_\_\_\_ Hispanic \_\_\_\_ Non-Hispanic

Race (check one or more)  
\_\_\_\_ American Indian or Alaskan Native  
\_\_\_\_ Asian (including Indian subcontinent)  
\_\_\_\_ Black or African American  
\_\_\_\_ Native Hawaiian or other Pacific Islander  
\_\_\_\_ White

Gender \_\_\_\_ Male \_\_\_\_ Female \_\_\_\_ Transgender

### Academic Information

Undergraduate Institution(s) \_\_\_\_\_

Current class based on credit units earned:  
\_\_\_\_ First Year \_\_\_\_ Sophomore \_\_\_\_ Junior \_\_\_\_ Senior  
\_\_\_\_ Graduate student \_\_\_\_ Returning student \_\_\_\_ Transfer student

Undergraduate major area of study \_\_\_\_\_

Undergraduate minor area of study \_\_\_\_\_

Undergraduate degree sought or earned \_\_\_\_\_ BA \_\_\_\_\_ BS \_\_\_\_\_ Other (list)

Official or anticipated graduation date \_\_\_\_\_

Cumulative G.P.A. \_\_\_\_\_ Major G.P.A. \_\_\_\_\_

### Financial Need

List any financial aid and scholarships (including amount) that you currently receive

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Information release: I authorize the UNH Financial Aid office to release my financial aid information to the Noyce selection committee for the sole purpose of determining need when awarding Noyce scholarships.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

### Personal Essay

In 200-500 typed words on a separate sheet of paper, describe your commitment to teaching a STEM discipline in a high-needs school, including previous experiences or characteristics that prepare you for this endeavor.

### Evaluator Agreement

I agree to share information and data regarding my decision to pursue the Noyce Program with the Program Evaluator. This may require an interview.

### Participation Agreement

I agree to/that:

- Participate in Noyce program events and workshops.
- Maintain a G.P.A. of at least 3.0.
- Apply to the UNH Education Department for a master's degree in education and, if accepted, successfully complete that program.
- Notify the Noyce Program administrators if I withdraw from UNH or change my personal contact information.

- Teach a STEM discipline in grades 5-12 within a high-needs school district for two years for each year of financial support received from the CREST Noyce Program. Failure to complete the teaching requirement within eight years after completing the program will necessitate that I repay UNH the amount of my Noyce support and any additional interest and fees, as described in the Program's promissory note. For each year of teaching, I am responsible for submitting proof of completion to the Noyce Program administrators within 30 days of the end of the school year.
- The scholarship is for one year only and, though likely to be continued given satisfactory academic progress, there is no implied commitment after the first year.

Signature

I attest that this application is true and accurate to the best of my knowledge. And I consent to the evaluator and participation agreements, accepting all responsibilities depicted therein.

Signature \_\_\_\_\_ Date \_\_\_\_\_

Recruitment assistance

Please indicate which source(s) led you to apply to this program:

- |  |   |
|--|---|
| <input type="checkbox"/> Flyer or poster   | <input type="checkbox"/> Newspaper article or advertisement   |
| <input type="checkbox"/> Academic advisor  | <input type="checkbox"/> STEM professor recommendation        |
| <input type="checkbox"/> Course instructor | <input type="checkbox"/> Recommended by a current participant |
| <input type="checkbox"/> UNH Noyce Website | <input type="checkbox"/> Class visitor/announcement           |
| <input type="checkbox"/> UNH homepage      | <input type="checkbox"/> Other                                |



**University of  
New Hampshire**

**UNH CREST Noyce Teacher Scholarship Program  
RECOMMENDATION FORM**

**Applications received by July 1 are considered  
for that fall; applications received by December 1 are considered for that spring**  
Printed applicant name \_\_\_\_\_

Instructions to the applicant

The Family Education Rights and Privacy Act of 1974 and its amendments guarantee your rights to access your educational records. You are also permitted by those laws to voluntarily waive that right of access. Please indicate below your decision related to access to this letter of recommendation.

- I waive my right of access to this letter of recommendation.
- I do not waive my right of access to this letter of recommendation.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Instructions to recommender

In an effort to increase the number and quality of science and mathematics teachers in high need school districts, the National Science Foundation created the Robert Noyce Scholars Program. UNH is host to a Robert Noyce grant, the UNH CREST Scholarship Program. We are able to award large scholarships to qualified STEM majors or graduates who plan on earning a teaching credential in mathematics or science. In return for the funding, scholars agree to teach two years in a high needs school district for each year of support. The person named above is applying for admission to this program, and has identified you as a recommender.

Please provide your impressions and assessments regarding the applicant's intellectual ability, disposition and character, potential for productivity and scholarship, creativity, leadership abilities, professional preparedness, and other aptitudes and skills that may be considered by the Scholarship application committee.

Please be frank and provide as much information as possible, including challenges, achievements, experience working with children or youth and community organizations, and other special considerations pertaining to the applicant. Include in your assessment how long and in what capacity you have known this student. Please use a separate sheet, preferably a school, organization, or company letterhead, and attach it to this form.

Please e-mail (preferred) or mail your letter directly to

The Joan and James Leitzel Center  
University of New Hampshire  
Parsons Hall  
23 Academic Way  
Durham, NH 03824  
Leitzel.Center@unh.edu

Please check the category that most accurately summarizes your recommendation:

\_\_\_\_\_ Highly recommend    \_\_\_\_\_ Recommend    \_\_\_\_\_ Recommend with reservations

\_\_\_\_\_ I do not recommend this applicant

Recommender's Name (please print): \_\_\_\_\_

Position or Title: \_\_\_\_\_

School or Company: \_\_\_\_\_

Email: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

*Thank you for assisting the scholarship selection committee with this decision. Your efforts are appreciated.*

**SUCCESSFUL EXPERIENCE WITH CHILDREN OR YOUTH VERIFICATION**

(Required only for applicants who have not taken EDUC 500 or 935)

Applicant Name \_\_\_\_\_

Please check the activity that best describes your experience working with children or youth.

School Experiences:

- \_\_\_\_\_ Tutoring
- \_\_\_\_\_ Playground Supervisor
- \_\_\_\_\_ Teacher’s Assistant or Aide
- \_\_\_\_\_ Substitute Teaching
- \_\_\_\_\_ Coaching
- \_\_\_\_\_ Parent volunteer, including chaperoning
- \_\_\_\_\_ Paraprofessional
- \_\_\_\_\_ Other \_\_\_\_\_

Community Service/Employment:

- \_\_\_\_\_ Scout Leader/ Assistant
- \_\_\_\_\_ Coaching
- \_\_\_\_\_ Camp Counselor
- \_\_\_\_\_ Babysitting
- \_\_\_\_\_ Church Teaching
- \_\_\_\_\_ Community Agency Work:  
YMCA, youth clubs
- \_\_\_\_\_ Life Guarding
- \_\_\_\_\_ Other \_\_\_\_\_

Briefly describe your experience with respect to activity, date(s), location, group, and your role in working with children/young adults.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**SUPERVISOR VERIFICATION**

The applicant successfully worked with children/youth as described. Successful completion means no significant problems and no minor problems that were not successfully resolved. You would “hire” them again. \_\_\_\_ Yes \_\_\_\_ No

During this experience the individual displayed:

1. sensitivity towards the varieties of individuals and/or cultural diversity.  
\_\_\_\_\_ Yes \_\_\_\_ No
2. the ability to collaborate ethically and effectively with others. \_\_\_\_ Yes \_\_\_\_ No
3. appropriate professional behavior. \_\_\_\_ Yes \_\_\_\_ No
4. respect for learners of all ages and a special regard for children and adolescents.  
\_\_\_\_\_ Yes \_\_\_\_ No
5. knowledge and appreciation for diverse learning styles and abilities.  
\_\_\_\_\_ Yes \_\_\_\_ No

Please explain no responses on the back of this form.

Supervisor printed name \_\_\_\_\_

Phone \_\_\_\_\_

Supervisor position/title \_\_\_\_\_

Email \_\_\_\_\_

Signature \_\_\_\_\_

Date \_\_\_\_\_