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VWU NSF Noyce Project TEEMS Internship Program

The NSF Noyce Project TEEMS Internship Program at Virginia Wesleyan University is an opportunity for college students who hold at least a 2.8 cumulative GPA and who are interested in exploring careers in K-12 education to participate in various internships at STEM institutions, schools and summer camps and projects. Through the Noyce STEM Internship Program, students come together in a learning community cohort and gain exposure to real-world experience in mathematics and science. The Internship Program allows VWU students interested in secondary STEM teaching to explore both content and pedagogy.

OVERVIEW

Noyce STEM Interns explore the field of teaching through a variety of experiences that include workshops and seminars with expert math and science educators. Interns may receive up to two years of paid internships during their time at VWU.

Examples of VWU Noyce internships include:

- 1) Summer camps- Due to scheduling of summer camps, internships often include a mixture of experiences in varied contexts. This provides interns a window into multiple and unique educational contexts.
 - a. STARBASE Victory, in Portsmouth, holds free summer camps for PPS students who would not typically be able to afford academic summer programming. Summer camps change each year based on funding, but there is always a consistent base of programs that address topics across all STEM disciplines. These engaging camps provide rich teaching opportunities with a focus on contemporary, research-based instructional approaches.



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Internship Examples at STARBASE Victory

Endorsement Area	School-year Internships	Summer internships
Math	Chrome Club afterschool coding club	Past offerings include coding camps, engineering design camps, and 3D printing camps.
Earth Science	SPACEBASE academic program--Provides instruction related to spatial reasoning, mapping, and topography.	Past offerings include mapping camps and environmental camps.
Chemistry	Envirobase program--Explores water quality issues causing the loss of oyster population.	Past offerings include environmental camps.
Biology	Envirobase program--Provides instruction on the life cycle of oysters, their typical struggles to survive, and their impacts on the ecosystem.	Past offerings include environmental camps with topics related to indicator species and invasive species.

- b. Tidewater Collegiate Academy summer camps provide interns an on-campus internship opportunity.
 - c. The RiverQuest Program provides interns an opportunity to develop and implement environmental education curriculum with rising Portsmouth Public Schools ninth-grade students with an interest in environmental science.
 - d. In partnership with YMCA Camp Red Feather, interns can guide young learners in exploring the natural world, again, developing original curriculum under the mentorship of science and/or education professors.
 - e. Norfolk Collegiate Academy summer camp programming in science and math can provide interns multiple opportunities to lead and assist in educational programming for multiple age groups.
- 2) Other opportunities include but are not limited to: The Norfolk Zoo, Emergency Physicians of Tidewater, the Environmental Protection Agency, Slover Library, Chesapeake Bay Foundation, Lynnhaven River Now, Sentara Hospital, Pfizer (now GSK), Virginia Consolidated State Laboratories, NASA Langley, the National Air and Space Museum, and the Virginia Air and Space Science Center, among many others. Support from the Noyce Program will allow us to provide stipends for unpaid internships and/or offset travel costs to and from internship sites as needed.
- 3) Summer Research- Interns may also work on independent or collaborative research as approved by Senior Personnel.



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BENEFITS

- Early hands-on field experiences in math and/or science education with students in grades 6-12 and current local teachers
- Mentorship by both Noyce Scholars faculty and/or classroom teachers from high-need Hampton Roads' schools
- Informational seminars and workshops exploring the field of teaching with a strong emphasis on teaching in high-need school settings.

ELIGIBILITY REQUIREMENTS

- Applicants must be VWU biology, chemistry, earth and environmental science or mathematics students.
- Demonstrated interest in exploring a career in STEM teaching, to include math, biology, earth and environmental science and chemistry.
- Applicants must have a minimum cumulative GPA of 2.8 at time of application

REQUIREMENTS TO BE COMPLETED BY THE END OF THE PROGRAM

- Completion of the internship summer experience with grade 6-12 students, and the completion of a designated "product" deemed appropriate by the VWU faculty Noyce PI or Co-PI.
- Attendance at designated workshops and professional development seminars as required by VWU faculty

TO APPLY

- Submit a completed and signed application form (next page) ***(The deadline is 11:59 p.m. May 12, 2023)***
- Include a letter of recommendation from a current VWU STEM content professor.
- Include current unofficial transcripts.



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VWU NSF Noyce Project TEEMS Internship Program Application

Name _____ Student ID _____

Current Mailing Address _____

VWU Address _____

Emergency Contact _____ Emer. Contact Number _____

Declared major _____

Classification: FRESH SOPH JUNIOR SENIOR

RACE / ETHNICITY/ DEMOGRAPHICS (Optional)

Select one or more:

White

African American

American Indian or Asian

Native Hawaiian or Alaskan Native Pacific Islander

Hispanic or Latino/Latina (Cuban, Mexican, Puerto Rican, Central or South American, or other Spanish culture or origin regardless of race).

Are you the first generation in your immediate family to go to college? Yes No

Photo Release

I grant consent to the use of my photograph in promotional materials, Noyce Scholars Program website, or other media for the Noyce Scholars Program. Yes No

Certification

I understand that withholding information requested on this application or giving false information may make me ineligible for assistance or subject to dismissal from the program. I certify that the information provided on the application is correct and complete. Yes No

Signature: _____ Date: ____ / ____ / ____