



REQUEST FOR APPLICATIONS
Doctoral STEM Teaching Assistantship
NDSU/UND ONLY

Issued: April 18, 2022

Fall 2022 Assistantship application deadline: 5:00 PM CDT, May 1, 2022
Spring 2023 Assistantship application deadline: 5:00 PM CDT, October 1, 2022

Limited Funding Available

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- [Application Form](#)
 - [List of ND-ACES CCBSE Researchers](#)
 - [Center for Cellular Biointerfaces in Science and Engineering \(CCBSE\)](#)

Purpose:

The Doctoral STEM Teaching Assistantship is supported by the NSF-funded award, New Discoveries in the Advanced Interface of Computation, Engineering, and Science (ND-ACES). This assistantship is designed to strengthen North Dakota's STEM ecosystem by building a diverse pool of effective educators, skilled researchers, and engaged students. More specifically, the assistantship will (a) strengthen doctoral students' experience in undergraduate STEM education, and (b) reduce the instructional workload of ND-ACES faculty at non-research universities, thereby allowing them to devote additional time to research.

Program Description:

The Doctoral STEM Teaching Assistantship is a semester-long teaching placement (during Fall 2022 or Spring 2023). Eligible candidates must be enrolled in a doctoral STEM program at a North Dakota research university (i.e. North Dakota State University or University of North Dakota). Selected students will work with a faculty member who is (a) employed by one of the higher education institutions listed below and (b) completing research in association with the Center for Cellular Biointerfaces in Science and Engineering (CCBSE). The doctoral student and the CCBSE researcher will work collaboratively in order to determine which course will be taught at one of the institutions listed below.

North Dakota TCUs (Tribal Colleges & Universities)

- Cankdeska Cikana Community College (CCCC)
- Nueta Hidatsa Sahnish College (NHSC)
- Turtle Mountain Community College (TMCC)

North Dakota PUIs (Primarily Undergraduate Universities)

- Dickinson State University (DSU)
- Mayville State University (MaSU)
- Valley City State University (VCSU)

North Dakota MCU (Masters College/University)

- Minot State University (MiSU)

This program will support four Doctoral STEM Teaching Assistantships each year. The intent of the program is to provide two awards to NDSU students and two awards to UND students. The assistantship contract will be processed through the doctoral student's home institution, and payment will be processed through a subaward to the receiving institution. The assistantship stipend will not exceed \$10,000 plus fringe benefits for the semester.

Most assistantships will be onsite. However, depending on the needs of the CCBSE faculty researcher, there is the possibility of conducting an assistantship remotely. For onsite assistantships, this award will support a reimbursement-based housing allowance, not to exceed \$5,000. The receiving institution must coordinate plans with Eric Exner (eric.exner@ndus.edu), ND EPSCoR Business Manager, before expenses are incurred, with campus housing used when available.

Eligibility Requirements:

Applicants must be:

- Enrolled at NDSU or UND as Ph.D. candidates (i.e., doctoral students who have completed all their coursework).
- Majoring in a science, technology, engineering, or mathematics (STEM) discipline.

- Qualified to teach undergraduate courses in the discipline of the course that they will teach (i.e., completed at least 18 credit hours of graduate coursework in the relevant discipline).

Application Requirements:

Eligible applicants must submit the following:

- An essay that outlines the importance of this experience for their post-graduation STEM career. The essay should be approximately two pages, single-spaced, with 12 pt. font.
- A letter of endorsement from the student's academic advisor. The letter must include a statement that the student is (a) in good academic standing and (b) has completed their doctoral coursework.
- An up-to-date transcript.

Review Process & Award Announcement

Applications will be reviewed by a panel of three faculty and staff members associated with the ND-ACES award. This includes a lead from CCBSE (Center for Cellular Biointerfaces in Science and Engineering), a lead from EWD (Education and Workforce Development), and an ND-ACES faculty researcher representing the campus where the assistantship will occur.

Applications will be evaluated with respect to the quality of the essay, student credentials, and the endorsement letter. However, award selections will also be constrained by the availability of teaching opportunities at the institutions listed above. There is thus a possibility that highly qualified and promising candidates will not be selected if there are no available teaching opportunities for their respective discipline.

	Application Deadline	Award Announcement
Fall 2022 Assistantship	May 1 st	Before May 30 th
Spring 2023 Assistantship	October 1 st	Before October 30 th

Please direct any questions to Josh Wayt (josh.wayt@ndus.edu | 701-231-8264), ND EPSCoR STEM Grant Writer & Program Manager and coordinator for the Doctoral STEM Teaching Assistantship.