Program Description

Degree Awarded: Certificate Scientific Teaching in Higher Education (certificate)

The graduate certificate program in scientific teaching in higher education provides graduate students with the skills and knowledge needed to implement and evaluate evidence-based teaching at the college level. As part of the program, students gain experience teaching science in a higher education setting, take teaching-related coursework and complete a culminating experience under the guidance of a scientific teaching faculty mentor. This culminating experience can be either a significant teaching experience including the use of evidence-based teaching or discipline-based education research focused on undergraduate science education.

At a Glance

- **College/School:** College of Liberal Arts and Sciences
- **Location:** Tempe campus

Degree Requirements

17 credit hours including an applied project course (BIO 593)

**Required Core (6 credit hours)**
BIO 530 Scientific Teaching (2)
BIO 531 Advanced Scientific Teaching (3)
BIO 532 Recent Papers in Discipline-Based Education Research (1)

**Electives (6 credit hours)**
Other Requirement (2 credit hours)
Students have to select a teaching internship course from a restricted list.

Culminating Experience (3 credit hours)
BIO 593 Applied Project (3)

Admission Requirements

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit the following:

1. graduate admissions application and application fee
2. official transcripts
3. proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Global Opportunities

PLuS Alliance
Global Experience
Global Degree

Career Opportunities

Contact Information