

Scientific Teaching in Higher Education Certificate (Graduate Certificate)

LASTHEGRCT

Do you want to become a better science teacher? You can gain a sophisticated understanding of teaching and education research that will help you build your career. Learn how to become a change agent who can contribute to positive reform in science education.

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 for implementing and evaluating 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: [The College of Liberal Arts and Sciences](#)
- Location: [Tempe](#)

Degree requirements

15 credit hours including the required applied project course (BIO 593)

Required Core (2 credit hours)

BIO 530 Scientific Teaching (2)

Electives (10 credit hours)**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 cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or a minimum cumulative GPA of 3.00 (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 must provide proof of [English proficiency](#) regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Tuition information

When it comes to paying for higher education, everyone's situation is different. Students can learn about [ASU tuition and financial aid](#) options to find out which will work best for them.

Career opportunities

Professionals with expertise in scientific teaching are in high demand in academia and educational institutions, and the skills and knowledge they obtain in this program are also valuable for careers in federal and state agencies that are responsible for educational policy, in industry and in nongovernmental organizations.

Career examples include:

- educators in nonprofit organizations and government agencies
- professors or instructors in universities and colleges
- science teachers in elementary and high schools

Contact information

[School of Life Sciences](#) | LSA 181
sols.grad@asu.edu | 480-965-1768