



COLLEGE OF
EDUCATION

A photograph of two women sitting on a couch, looking at an open book together. The woman on the left is wearing a dark polo shirt with 'COLLEGE OF EDUCATION' printed on it. The woman on the right is wearing a dark t-shirt with 'TCU' printed on it. The entire image has a purple tint and a diagonal line pattern overlay.

Science Education

M.Ed. and Ph.D. Programs



Become a leader in science education.

Program Highlights

- ▶ **Substantial tuition support for local educators.** To learn more, call 817-257-7661 or visit the Graduate Resources tab on coe.tcu.edu.
- ▶ **In-person, cohort-based structure** – Build your professional network face-to-face by learning with and from other rising science educators in an intimate classroom setting.
- ▶ **Mentoring and coaching** – Personalized and diverse programming to fit your needs, broaden your thinking, and establish a research niche.
- ▶ **Full-time and Part-time Status** – Evening classes provide the opportunity to earn a degree part-time while maintaining your current job.
- ▶ **A successful track record** – Our graduates hold leadership positions in K-12 school systems, two and four-year universities, non-profit agencies, museums and zoos, education publishing firms, and curriculum design companies.
- ▶ **No GRE required.**

► Personalize Your Path to Leadership

Which program is right for you?

Prior Education
Required

M.Ed. in Science Education (Non-Certification)

Bachelor's
(12 hours in education
or a science)

Work
Experience
Required

None

Certification(s)
Required
(at time of application)

Teaching Certification
*OR

Program
Credit Hours
Required

30

Ph.D. in Science Education (Non Certification)

Master's in a Science,
Education, or related
field

None

None

56

*OR: Per TEA - 24 hours or more of mathematics coursework at the undergraduate level (for middle/secondary candidates) or undergraduate mathematics coursework, professional development in mathematics and/or teaching experience (for elementary candidates).

► Ph.D. in Educational Studies: Science Education

This 56-hour program prepares students who aim to work in a district, university, policy, or non-profit educational setting requiring an interdisciplinary education blend of research, curriculum, content, philosophy and psychology.

► M.Ed. in Curriculum & Instruction: Science Education

This 30-hour program is designed for teachers and other educational professionals desiring to explore research methodologies and build a stronger intellectual foundation in science education. Two Areas of Emphasis: Teaching and Learning or Research

► Master of Education: Science Education

With a master's degree in Science Education, you'll be able to continue teaching with a deeper understanding of pedagogy/inquiry, prepared for district-level leadership, curriculum development, the ability to work in museums and outdoor centers, or at 2 and 4-year universities.

From Our Graduates...

“Completing my Ph.D. in Science Education at TCU was instrumental in my career as a science educator and scholar. Through my coursework, research engagement, and relationships with faculty and fellow students, I was challenged and empowered to become a better teacher, scholar, and advocate of science education. I am grateful for my experiences in the Science Education program and the collaborations that continue today. I know that the work that I do in the classroom, in my local community, and with the academic community at large is impactful due to the foundation established and nurtured at TCU College of Education. Forever a Horned Frog.”

Kelly Feille, Ph.D.

Assistant Professor, University of Oklahoma

“I thoroughly enjoyed the challenges of my Ph.D. program in Science Education. Our program created a community that pushed each other’s intellectual curiosity to explore broader and deeper than each could do alone. The varied backgrounds of fellow Science Education classmates allowed me to understand science education’s reach in formal and informal education settings. If you have a passion for teaching and learning all things science, reach out to the Science Education faculty!”

Angela Cunningham Buffington, Ph.D.

Trinity Valley School- Lower School Science Exploratorium

“Completing the Ph.D. in Science Education transformed my professional life. I gained expert mentorship as my professors offered quality feedback throughout my academic research project. These learnings, applied to the completion of both my dissertation and principal certification, transformed me from a high school science teacher to an instructional leader in my field. If your goal is to grow professionally through a quality, intentionally designed program, I highly recommend TCU College of Education.”

Monica Amyett, Ph.D.

Instructional Content Coach Science/STEM

Want to learn more?

► Contact Program Faculty

Dr. Hayat Hokayem, Associate Professor: h.hokayem@tcu.edu

Dr. Molly Weinburgh, Professor: m.weinburgh@tcu.edu

Ready to apply?

- Visit rebrand.ly/ApplyTCUGrad to complete the TCU Graduate Studies online application and check application deadlines.

