

STEM Education, M.A.

At Cal Poly Humboldt, we offer a dynamic M.A. in Science, Technology, Engineering, and Mathematics (STEM) Education that prepares educators to make a lasting impact in classrooms and communities.

The program blends flexible, hybrid learning with hands-on experience, preparing you to become a confident, culturally responsive STEM educator. Earn your credential, dive into real-world research, and shape your own path with electives that match your goals, whether that's leading a classroom, transforming your community, or expanding access to STEM for all.

Experience Your Learning

Hands-on learning experiences are built into your graduate coursework, and you have the opportunity to work with faculty as you develop the expertise and skills needed for success in the specific STEM education disciplines related to your career goals and aspirations.

In your first year, you will either earn a Preliminary Credential from the California Commission on Teacher Credentialing, or gain expertise in the interdisciplinary field of educational research.

During the second year, coursework will provide opportunities for students to develop the specific pedagogical and curricular expertise needed for success in particular STEM educational environments.

As part of the capstone program experience, you will design an action research project aimed at improving your practice, and enhancing the learning of the communities where you work as a STEM Educator.

Across the two-year program, you will be guided by mentors with expertise in educational research and STEM content to support your professional needs and aspirations.

Did you know?

- Department faculty members have a strong commitment to social and environmental justice that shapes course offerings and content.
- You'll tackle real-world challenges through hands-on projects with community partners
- In addition to choosing from one of three emphasis areas, the program includes practicums, portfolio building and service learning.
- Candidates will have access to a teaching laboratory where they can experiment with STEM-related pedagogy



Academics & Options

STEM Education, M.A.

Cal Poly Humboldt's M.A. in STEM Education combines a flexible hybrid format with practical, field-based learning to help you grow into a skilled STEM educator. Complete your credential, engage in meaningful research connected to real educational settings, and tailor your studies through electives aligned with your professional ambitions. Whether you envision yourself teaching in K-12 classrooms, driving innovation in your district, or broadening participation in STEM fields, you'll build the expertise to move that vision forward.

- Elementary Education
- Secondary Education
- Self-Designed Studies of STEM Education



Careers

This program can serve a variety of career professionals in education at multiple levels of their education. Practicing TK-12 teachers can work to expand their curricular and pedagogical knowledge and experience in STEM :

- K-12 STEM Teacher
- STEM Curriculum Developer
- Instructional Coordinator
- STEM education Researcher
- STEM Program Coordinator
- Educational Policy Analyst
- Postsecondary Education Administrator
- Education Technology Specialist
- Education Professor

