Overview
Your educational background and the pursuit of coursework beyond an undergraduate degree is important to school districts when they consider which teachers to retain, promote, and offer a pay increase. A master’s degree is also a useful way to enhance your professional expertise by building on your prior teaching experience. Earn your education masters degree within a program created specifically for current and aspiring natural science teachers.

During this master’s in science education program, you will:

- Expand your natural science knowledge in the areas of biology, chemistry, physics, and environmental science for use in middle and high school classrooms
- Immerse yourself in coursework related to curriculum development, instructional theory, and pedagogy
- Advance your instructional skills with coursework that explores classroom management, presentation skills, communication, and discipline
- Discover hands-on teaching tools and lesson enhancements that can be brought into the classroom immediately
- Use Science Lab Kits created specifically for individual courses within the program, then implement the experiments within your own classroom.
- Earn a master’s in science education while living—and working—anywhere in the world.

I’ve enjoyed the MNSE program because it gave me a chance to continue my education while teaching. The labs and lecture material are practical and useable in class. I felt comfortable teaching [the labs] since I had already tried [them] as a student. Ideas presented in the program are specifically catered toward high school curricula; they are a supplement to what teachers are already doing.

Lindsay Martin
Graduate

Contact our Student Success Team to get started! (970) 492-4898 online.colostate.edu/contact
Minimum Admission Requirements

• A bachelor's degree in a science or science-related discipline from a regionally accredited institution

• A 3.0 GPA in undergraduate coursework (Exceptions may be made for students who are applying through Track II Admission)

• Be a practicing instructor and/or licensed educator; applicants with strong science backgrounds and a desire to become educators are considered for admission on a provisional basis.

• GRE test scores are not required

Completion Requirements

• A minimum of 30 credits for the research option and 31 credits for the coursework option

• 24 graduate level credits, 500-level or above, must be earned at Colorado State University; 21 of which must be earned after formal admission

Curriculum

The Coursework Option requires you complete an additional natural science course and independent study in lieu of a research project, which is a requirement of the Research Option.

All science-related coursework is tailored for teachers and focuses on how you can incorporate lessons into your own classroom.

Education Courses (9 credits)

• EDRM 602 – Action Research (3 cr.)
• EDUC 619 – Curriculum Development (3 cr.)
• EDUC 660 – Advanced Methods – Science and Math Instruction (3 cr.)

Natural science courses (15-18 credits)

• NSCI 580A1 – Myth Busters: Science/Controversy/Evaluation (3 cr.)
• NSCI 619 – Physics for Science Educators (3 cr.)
• NSCI 620 – Chemistry for Science Educators (3 cr.)
• NSCI 630 – Spectroscopy for Science Educators (3 cr.)
• NSCI 640 – Energetics for Science Educators (3 cr.)
• NSCI 650 – Pollution and Environmental Biology for Educators (3 cr.)
• NSCI 660 – Evolutionary Biology for Educators (3 cr.)
• STAT 511 – Design and Data Analysis for Researchers I (4 cr.)

Coursework Option:

Independent study (3 credits)

Focus on an advanced area of interest.

• NSCI 695 – Independent Study for MNSE (3 cr.)

Research Option:

Research (6 credits)

Develop and complete research in your preferred science discipline

• NSCI 698 – Research Experience in Natural Sciences

Contact our Student Success Team to get started! (970) 492-4898 online.colostate.edu/contact