

Science Education

UNI Science Education is an interdepartmental and intercollegiate entity within the College of Humanities, Arts, and Sciences.

Undergraduate majors

COMPREHENSIVE SECONDARY SCIENCE TEACHING MAJOR

This program is like an all science teaching major that allows the individual to teach all secondary science subjects. This major is in high demand in the state of Iowa.

MIDDLE LEVEL SCIENCE TEACHING DUAL MAJOR

This program allows the individual to teach middle level or junior high in addition to two or more subjects including science, math, English, and social studies.

Related Undergraduate Programs

BIOLOGY TEACHING MAJOR

This secondary science teaching program in the Department of Biology allows the individual to specialize to teach high school biology. A Biology Teaching minor is also offered.

CHEMISTRY TEACHING MAJOR

This secondary science teaching program in the Department of Chemistry & Biochemistry allows the individual to specialize to teach high school chemistry.

EARTH SCIENCE TEACHING MAJOR

This secondary science teaching program in the Department of Earth & Environmental Sciences allows the individual to specialize to teach earth science. An Earth Science Teaching minor is also offered.

PHYSICS TEACHING

This secondary science teaching program in the Department of Physics allows the individual to specialize to teach high school physics. A Physics Teaching certificate is also offered.

Minor

BASIC SCIENCE (K-8) TEACHING

This program is available for Elementary Education majors who desire to teach science. This minor is in high demand in the state of Iowa.

Graduate program

SCIENCE EDUCATION M.A.

This online program is for existing teachers who would like to pursue a Masters with a thesis or non-thesis option.

UNI SECONDARY SCIENCE TEACHING MAJORS

Our programs are in Science Education and Science Departments within the College of Humanities, Arts, and Sciences (CHAS). Since our secondary science teaching programs are within Science Education and Science Departments, our students develop strong science content as well as the skills and experience needed to be exemplary science teachers. Students also have the opportunities to engage in undergraduate research. Our secondary science teaching majors are in high demand by school districts inside and outside the state of Iowa. Our majors typically get more than one teaching offer.

INDIVIDUAL ACADEMIC ADVISING

Secondary Science Teaching majors are advised by UNI Science Education faculty who have appointments in Science Departments including Biology, Chemistry & Biochemistry, Earth and Environmental Sciences, and Physics. These faculty teach both Science Education (including secondary methods and internship courses) and science content courses. A number of these faculty are also former high school science teachers. As a result, Science Education faculty who serve as academic advisors are quite knowledgeable in helping students navigate through their required courses and programs.

UNI STUDENT CHAPTER OF THE NATIONAL SCIENCE TEACHERS ASSOCIATION (NSTA)

The UNI Student Chapter is affiliated with the National Science Teaching Association to encourage professional learning and networking of preservice teachers of science. Student chapter participation offers opportunities for increased leadership skills, career growth, and networking for students and faculty. The UNI Student Chapter of the NSTA receives support from UNI Science Education for students to attend national and regional NSTA conferences.

YAGER SCIENCE EDUCATION RESOURCES AND OUTREACH (YSERO)

UNI Science Education provides innovative science curricular resources and outreach for UNI faculty/staff and students as well as Grades K-12 teachers and students in schools. Science curricular resources are available for checkout. Outreach including the UNI Science Education Update Conference and workshops are provided for both future and existing teachers. Our YSERO center is completely student staffed in which secondary science teaching majors and other majors may work part-time in staff positions related to their major.

Questions? Contact us!

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To learn more about Science Education
at UNI, scan the QR code or visit
science-ed.uni.edu

