This master’s program integrates theory, application, and content, allowing teachers to update pedagogy, content knowledge, and to add endorsements to their teaching licenses if needed. Learn how to teach science in a way that helps students construct their knowledge within an inquiry framework, aligned with the Next Generation Science Education Standards (NGSS).

**Building a lasting foundation**

A strong foundation in the content areas is essential for science educators. Efforts will be made to schedule a variety of content courses during the Summer and Spring 2021 and 2022 semesters in the areas of biology, physics, chemistry, and Earth science. These courses can also be applied toward science endorsements. Additionally, “Techniques for Science Teachers” courses focus on issues specific to teaching science and fulfill elective requirements.

**Why UNI?**

The only distance education program focused on science educators in Iowa, this program builds upon a strong foundation in content areas essential for science teachers.

Students will learn from the same UNI faculty who teach on-campus, including Kyle Gray, recipient of the Biggs Earth Science Teaching Award from the Geoscience Education Division of the Geological Society of America; Lyn Countryman, 2019 awardee of the 1943 Excellence in Teaching Award; and Dawn Del Carlo, awardee of the Excellence in Science Teaching Award for Science Supervisory from the Iowa Academy of Science.

**HAVE QUESTIONS?**

**Dawn Del Carlo,** Program Coordinator  
UNI Science Education, Chemistry & Biochemistry  
319-273-3296, SciEdGradCoord@uni.edu

**Jamie Anderson,** Enrollment Contact  
UNI Continuing & Distance Education  
319-273-7206, Jamie.Anderson@uni.edu

**APPLY ONLINE**

Visit [uni.edu/apply](http://uni.edu/apply) to apply online as soon as possible. Applications are due **Oct. 30, 2020** for the Jan. 2021 jump start and **Feb. 1, 2021** for the June 2021 cohort.

Not ready to apply? Visit the program website to complete an online interest form and receive additional information.
Science Education MA
distance.uni.edu/science-education

Course sequence (tentative)
30 total units of credit | units in parentheses following course titles

Spring 2021 – optional jump start
Students may choose to begin their elective coursework early.

**Summer 2021**
SCIED 6700  The History, Philosophy, and Nature of Science (3)
Content/elective coursework (2-4)

**Fall 2021**
SCI ED 6800  Teaching-Learning Models in Science Education (2)
SCI ED 5500*  Techniques for Science Teachers (1)

**Spring 2022**
SCI ED 6500  Research Methods in Science Education (4)

**Summer 2022**
SCI ED 6900  Trends and Issues in Science Education (3)
Content/elective coursework (2-4)

**Fall 2022**
SCI ED 6600  Developing Science Curricula (2)
SCI ED 5500*  Techniques for Science Teachers (1)
SCI ED 6299  Research (1-2)
   Although not required, it is strongly recommended to take these research credits during this semester.

**Spring 2023 and beyond**
SCI ED 6299  Research (1-6)
Content/elective coursework (3-12)
   Students will work with the program coordinator to identify elective coursework in Spring 2023 and beyond until 30 credit hours have been completed.

Courses marked with an asterisk (*) are optional electives.

The number of units from this listed program schedule will vary depending on allowable transfer credit. Up to 10 units of credit may be accepted as transfer credit. MA students may pursue either a thesis or non-thesis option. SCI ED 6299 Research hours (six for thesis; three for non-thesis) may be taken at various times and increments (i.e. 1 unit of credit at a time) after completion of the five core courses in the sequence, and can be taken at a distance without coming to campus.

Time to completion varies by individual student and depends on many factors including effective offerings, student preferences and final project details. Historically, average time to completion is 4 years.

Delivery of this program is subject to minimum enrollment requirements.

Flexible delivery
Core courses are offered via interactive video conferencing methods in the evenings or during the Summer. Courses are also supported online using Blackboard, a dynamic platform that will enhance your learning experience and provide a sense of community with fellow classmates.

Some electives may require in-person instruction. A required orientation session is scheduled for Saturday, April 10, 2021; on-campus or virtual delivery will be determined in the Spring.

Affordability
UNI strives to make graduate education an affordable investment. Financial aid is available for students who qualify, based on number of units per semester and financial need.

Financial aid
Students must submit a FAFSA to be considered for federal financial aid. Questions may be directed to the UNI Office of Financial Aid & Scholarships.

319-273-2700  |  fin-aid@uni.edu
For more information, visit finaid.uni.edu/financing-graduate-school.

**Tuition & fees for 2020-21**
$509 per unit of graduate credit
$38 technology fee per course
$100 records and documents fee
(Covers all transcripts and other fees. Charged at the time of graduation.)

*Tuition and fees may be adjusted by the Iowa Board of Regents.

UNI at a Distance
UNIVERSITY OF NORTHERN IOWA
The University of Northern Iowa does not discriminate in employment or education. Visit uni.edu/policies/1301 for additional information.