Elevate your teaching

This endorsement pathway will help improve teachers’ physics content knowledge and better prepare Iowa students for a future in STEM. The coursework is designed for teachers who are licensed by the state of Iowa to teach 5-12 math or science and are interested in the Iowa 5-12 Physics Endorsement or the physics component of the Iowa 5-12 All Science Endorsement.

Program features

Participants will learn how to:

- Build and demonstrate competencies in physics content knowledge and scientific practices
- Implement research-based active-learning strategies and resources that engage students in a physics classroom in alignment with the Next Generation Science Standards (NGSS)
- Assess students’ conceptual understanding and problem-solving competencies

HAVE QUESTIONS?

Lawrence Escalada, Program Coordinator
UNI Physics
319-273-2431, Lawrence.Escalada@uni.edu

Carolina Wilson, Enrollment Contact
UNI Online and Distance Education
319-273-2121, Carolina.Wilson@uni.edu

ENROLL IN A SUMMER 2021 COURSE

Enroll in one or more of the summer courses at distance.uni.edu/enroll. The first class begins May 10, 2021.

NOT READY TO ENROLL?

Visit distance.uni.edu/physics to learn more and express your interest.
Physics Endorsement for Iowa 5-12 Physics and All Science Endorsements
distance.uni.edu/physics

Course sequence (tentative)
Units in parentheses following course titles

**Summer 2021**
- PHYSICS 1512 General Physics II (4)
  - May 10-June 18
  - For students who have already completed Physics I
- PHYSICS 4186/5186 Studies in Physics and Everyday Thinking (4)
  - May 10-June 18
- PHYSICS 4950/5950 Readings in Physics: Electricity & Magnetism in Physics Education (3)
  - July 6-30

**Fall 2021**
- PHYSICS 1511 General Physics I (4)
- PHYSICS 3050 Robotics and Sensors (3)

**Spring 2022**
- PHYSICS 4080/5080 Resources for Teaching Physics (2)

**Summer 2022**
- PHYSICS 4186/5186 Studies in Physics and Everyday Thinking (4)
- PHYSICS 4950/5950 Readings in Physics: Mechanics in Physics Education (3)
- PHYSICS 1512 General Physics II (4)

Delivery of this program is subject to minimum enrollment requirements.

Flexible delivery
Coursework can be completed in 1-2 years. Online courses are offered using interactive video conferencing (Zoom) and Blackboard, a dynamic platform that will enhance your learning experience and sense of community with fellow classmates. On-campus courses may be offered during the summer.

Affordability
UNI strives to make education an affordable investment. All students pay the same tuition, regardless of location.

Tuition & fees for 2020-21*
- $320 per unit of undergraduate credit
- $509 per unit of graduate credit
- $38 technology fee per course

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

96% of students would recommend a UNI Online & Distance Education program
Ranked No. 1 “Best Iowa Online College” for 2020 by College Choice