Physics Coursework for Iowa 5-12 Physics and All Science Endorsements
distance.uni.edu/physics

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?
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ENROLL IN A COURSE
Visit distance.uni.edu/enroll to enroll in the spring course. The first class begins January 20, 2022.

NOT READY TO ENROLL?
Visit distance.uni.edu/physics to learn more and express your interest.
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Course schedule (tentative)
Units in parentheses following course titles

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)
For students who have already completed General Physics I

Fall 2022
PHYSICS 1511  General Physics I (4)
PHYSICS 3050  Robotics and Sensors (3)

Spring 2023
PHYSICS 4080/5080  Resources for Teaching Physics (2)

Summer 2023
PHYSICS 1512  General Physics II (4)
PHYSICS 4186/5186  Studies in Physics and Everyday Thinking (4)
PHYSICS 4950/5950  Readings in Physics: Electricity & Magnetism in Physics Education (3)

Delivery of these courses 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 2021-22*
$325 per unit of undergraduate credit
$517 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
Rank No. 1 “Best Iowa Online College” for 2020 by College Choice

The University of Northern Iowa does not discriminate in employment or education. Visit uni.edu/policies/1301 for additional information.