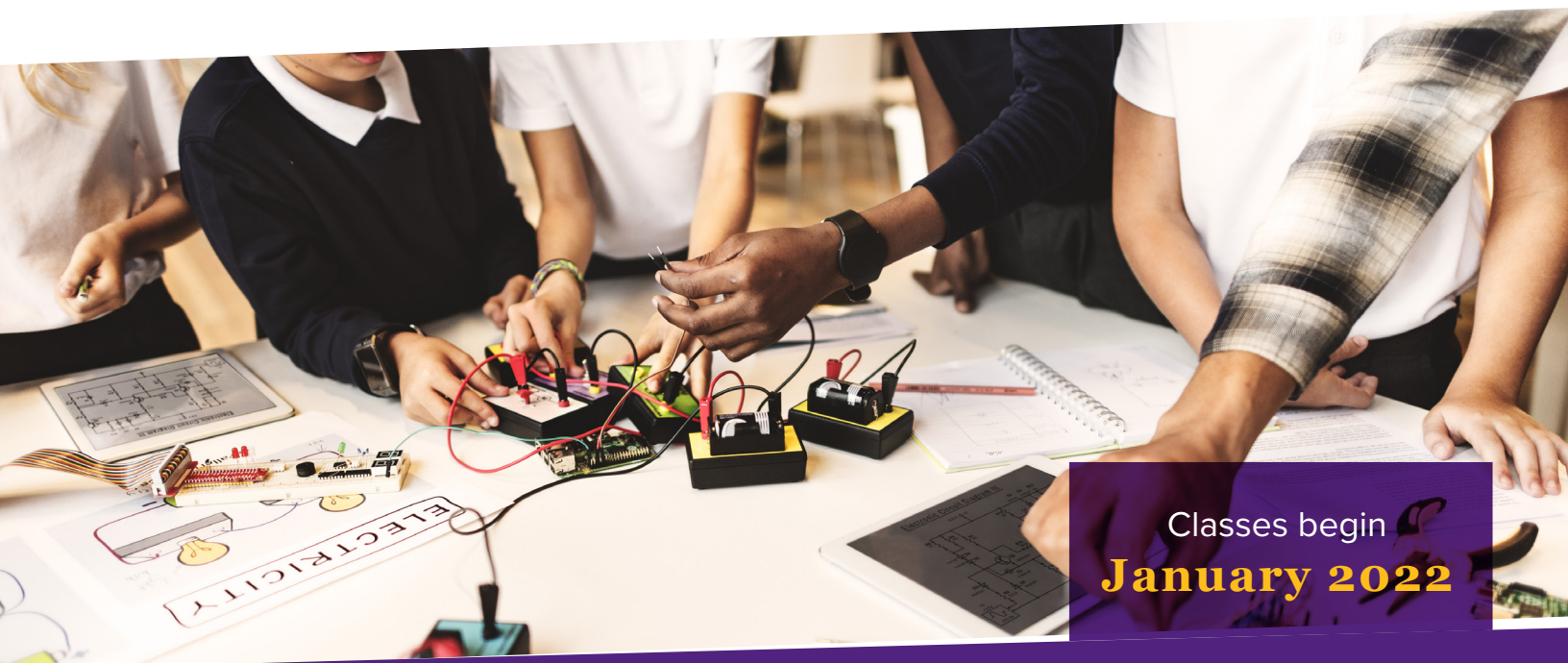


Physics Coursework for Iowa 5-12 Physics and All Science Endorsements

distance.uni.edu/physics

UNI

University of Northern Iowa
Online & Distance Education



Classes begin
January 2022

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 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.



96% of students would recommend a UNI Online & Distance Education program



Ranked No. 1 “**Best Iowa Online College**” for 2020 by College Choice

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.*

UNI / University of Northern Iowa
Online & Distance Education

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