

Physics Education

B.A. | Bachelor of Arts in Physics Education & Secondary Education
nwciowa.edu/math

Focus on faith

A Christian perspective is central to everything we do at Northwestern. It's what sets us apart from other colleges and universities where faith is on the margins or missing altogether. As a physics education major, you'll be prepared to point all students—whether future scientists or future artists—to the Creator who made the universe and set it in motion.

Educator potential

Prepare for your career at a college known for the strength of both its science and education programs. You'll graduate with two majors: **physics education**, which will help you describe the theories behind the fundamental principles of the universe, and **secondary education**, which will give you skills to teach those principles to others. You can also earn a secondary teaching endorsement in math, chemistry or basic science.

Expert profs + free tutoring

Study with a professor who has both a doctorate in physics and a master's degree in science education, and learn from mathematics faculty with a history of training excellent math teachers. You'll also have access to free tutoring services from a professional science tutor and 70+ student science tutors.

Engineering opportunities

Use your physics education degree as a launchpad into a master's program by enrolling in Northwestern's dual-degree engineering program with Washington University of St. Louis. Through this cooperative arrangement, you can earn an accredited bachelor's degree *and* a master's degree in engineering.



\$61,000

Median annual salary of high school physics teachers



Original research

Explore topics that interest you with the support of your professor.



First-class faculty

Learn from professors who are accomplished teachers, researchers and authors.

Outcomes

Because of the importance of STEM education and careers, high school physics teachers are in high demand. With a major in physics teaching, you'll be prepared to teach a subject that's ranked as one of the top 10 most-needed teaching specialties in both Iowa and the U.S.

Secondary Education 4-year Plan



StandOut

Freshman:

EDU 102 – Foundations of Education – 2 credits – offered every semester

EDU 206 – Survey of Exceptional Individuals – 3 credits – every semester

EDU 202 – Early Field Experience (30 Hr. Practicum) – 1 cr. – every semester

Sophomore:

EDU 227 – Instructional Technology – 2 cr. – every semester

EDU 247 – Reading in the Content Area – 2 cr. – every semester

PSY 221SS – Developmental Psychology – Childhood (or Adolescent) – 4 cr. every sem.

Apply and be admitted to the Education Program

Junior/Senior:

EDU 340 – Human Relations/CC – 3 cr. – every semester

EDU 304 – Education Psychology – 2 cr. – every semester

EDU 315 – Behavior Management – 2 cr. – every semester

*** 308 – Special Methods in your Content (science, math, social studies, Spanish, art, etc.)
3-4 cr. – offered every other Fall semester (30 hr. practicum)

EDU 307 – General Methods of Teaching Secondary – 3 cr. (30 hr. practicum)
restricted course – only offered in the Spring

Seniors:

EDU 409 – Philosophy of Education – 2 cr. – every semester (restricted course)

EDU 415/416 – Student Teaching – 14 cr. – every semester (full semester)

Note: This is a guideline. One of the unique aspects of NWC Education is that we customize each student's schedule to meet their needs based upon transfer credits and content endorsements. The order can be changed, but Freshman and Sophomore courses must be completed before the senior year to reduce course conflicts.