PHYSICS

DEPARTMENT

MAJORS

ADOLESCENCE EDUCATION: PHYSICS

ADOLESCENCE EDUCATION: PHYSICS AND MATHEMATICS

PHYSICS

PHYSICS LEADING TO ENGINEERING (3+2 PROGRAM)

CAREER POTENTIAL

Areas of opportunity:

Business
Education
Engineering
Environmental science policy
Government
Industrial or government research

→ *The Physics and Engineering Club sponsors robotics projects each semester and brought the university's first-ever 3D printer to campus.*

PROGRAM HIGHLIGHTS

The physics curriculum encompasses all the major branches of this fundamental science, from classical physics and quantum mechanics to the study of tiny subatomic particles and the exploration of entire galaxies. Students consider matter and energy and the rules governing them that are vital to scientific understanding.

A FOUNDATION IN PHYSICS

Cortland physics majors gain a strong background in applied mathematics, learn advanced computer skills and work with sophisticated instruments used by professionals. They also can collaborate with faculty on funded research projects.

TWO DEGREES IN FIVE YEARS

Students can spend three years at Cortland to earn a degree in physics then transfer to a second institution to complete the requirements for a degree in engineering. Past partners include Binghamton University, Clarkson University, Stony Brook University and University at Buffalo.

By the numbers

41 **seats in the state-of-the art planetarium located in Bowers Hall**
→ *Completed in 2014, it is used for stargazing, astronomy and shows that cover biology, geology, chemistry and physics.*

LEARN MORE

Physics Department
Bowers Hall, Room 144
607-753-2821

cortland.edu/physics