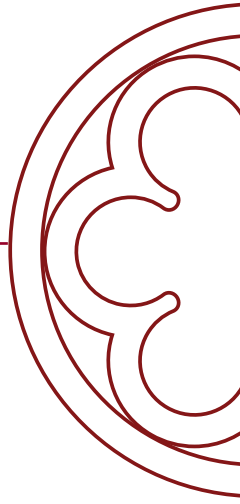




ENGINEERING PHYSICS PROGRAM



The Engineering Physics program prepares students for careers in areas of technology where the disciplines of physics and engineering intersect, providing an interdisciplinary environment where pure and applied science merge. The curriculum is designed to develop a strong foundation in both engineering skills and physics principles, enabling graduates to apply fundamental scientific concepts to complex engineering challenges. Students benefit from small class sizes, individualized attention from faculty, and numerous opportunities for hands-on learning through laboratory work, research projects, and collaborative experiences. This combination of rigorous academics and practical application equips graduates with the problem-solving and analytical skills needed to succeed in a wide range of technical and engineering careers.

BY THE NUMBERS

18

One of 18 accredited Engineering Physics programs

4:1

Student to Faculty Ratio

100%

Employment rate of Engineering Physics graduates

MAJORS

Engineering Physics

With a concentration in any of the 20+ Gallogly College of Engineering discipline.



Students participate in hands-on projects and lab tours during the OU Engineering Days summer camps.

“The Engineering Physics experience at OU includes remarkable opportunities for all kinds of students who are interested in physics along with its applications. Whether it is a Society of Physics Students event or a project for the First Year Research Experience, there is something for everyone. While physics majors concentrate on scientific principles and engineering majors emphasize applying those principles, these two viewpoints combine (and work well) with this degree. The physics department houses cutting edge research facilities and is more than well equipped to help students with questions about classes, as well as guiding them through their own academic careers. If you are fascinated by the physics of the world along with the practical applications, this degree could be for you.”

– Nicolas Flores, Engineering Physics, Class of 2025

CONTACT US

Carson Engineering Center, Rm. 107
www.ou.edu/coe/ephys
For general questions:
goengineering@ou.edu

Terms to Know

Major—Primary area of study
Minor—Complimentary area of specialization

B.S.—Bachelor of Science
M.S.—Master of Science

M.B.A.—Master of Business Administration
M.E.S.—Master of Environmental Science

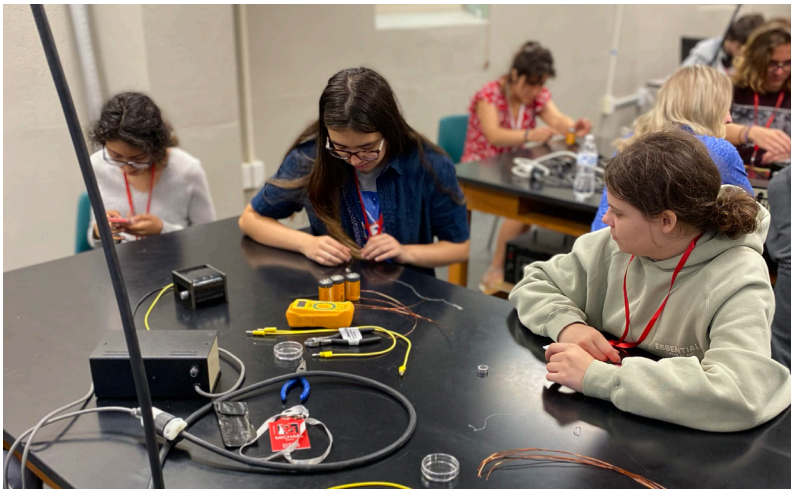


THINGS TO KNOW

1 Each student selects an engineering discipline for their design sequence. While any OU Engineering field may be selected, the most popular options are mechanical engineering, electrical engineering, aerospace engineering, and computer science.

2 All students participate in research through a capstone project that blends engineering design with undergraduate research. Students may choose a capstone project in their engineering specialty or an area of physics, including quantum technology, high-energy physics, or nanophysics. Students can begin research as early as their first year.

3 An Engineering Physics degree opens a range of future career opportunities. Over a third of graduates pursue post-graduate studies in engineering, physics, or medicine, many at top-tier research universities. The recent alumni who directly entered the work force are employed in a variety of industries, including microelectronics, energy, pharmaceutical, and aerospace.



Students participate in hands-on projects and lab tours during the OU Engineering Days summer camps.

SELECT COURSES

Introductory Physics III: Modern Physics
Electronics Laboratory
Electricity and Magnetism I
Introduction to Quantum Mechanics I
Senior Research Project I and II

EPHYS STUDENT ORGANIZATIONS

Society of Physics Students (SPS)
+ over 60 engineering student organizations

CAREER PATHS

IBM Essex Junction, VT
Design Enablement Engineer

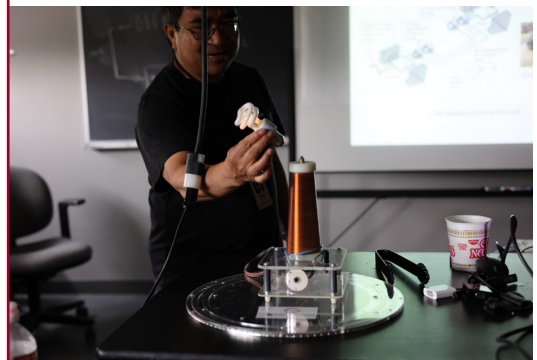
Mason Controls Los Angeles, CA
Mechanical Design Engineer

Nobel Energy Houston, TX
Geophysicist

Raytheon Dallas, TX
Senior Radar Engineer

Texas Instruments Dallas, TX
Applications Engineer

Google Sunnyvale, CA
Software Engineer



Dr. Santos demonstrates electromagnetism.