WHAT CAN I DO WITH A PHYSICS OR ENGINEERING DEGREE?

If you’re considering a major in physics or engineering, Slippery Rock University offers several programs of study that can lead to a wide range of career options in rapidly growing industries.

Why physics? Physics helps people understand how the world around them works. From subatomic particles to massive galaxies, cell phones to jet engines, DNA to MRI scanners and tornados to earthquakes, physics can explain them all. If you have a passion for understanding how things work and enjoy hands-on scientific experiments, then a physics degree is for you. Studying physics at SRU will provide you with quantitative, analytical and problem-solving skills that will open doors to many career options.

Why engineering? Would you like a career where no two days are alike? A career where you can use both technical skills and creative thinking to make a difference? A career that can allow you to travel the world while earning a good living? If you answered “yes” to any of those questions, then engineering might be the perfect field for you.

PHYSICS AND PRE-ENGINEERING AT SRU

Our physics program is designed to provide a broad background for individuals planning careers in physics and other related technical fields.

SRU’s Engineering Department prides itself on the quality of its teaching, while also providing numerous opportunities for one-on-one interaction with a diverse group of faculty. Our goal and commitment is to prepare our students to be competitive in the 21st century workplace.

The pre-engineering, dual-degree cooperative programs enable students to pursue a career in engineering while experiencing the broader scope of an SRU education. These cooperative programs of study lead to two baccalaureate degrees: one in physics awarded by SRU and one in an area of engineering from one of four participating engineering schools. Students can choose from aerospace, civil, computer, electrical, environmental or mechanical engineering, to name a few.

WHY CHOOSE PHYSICS AND PRE-ENGINEERING AT SRU?

1. Placement rate of 99 percent.
2. State-of-the-art facilities.
3. Relaxed environment with extensive faculty “face time.”
4. Out-of-class opportunities including faculty-student research, internships, service learning, tutoring and peer-mentoring.
5. Hands-on, student-centered pedagogy used at all levels.
INTERNET OPPORTUNITIES
SRU physics and pre-engineering students have completed internships and Research Experience for Undergraduate programs at various institutions including:
• Wake Forest University
• West Virginia University
• Rochester Institute of Technology
• University of North Carolina
• Penn DOT (engineering internship), PA
• United Refining Company (engineering internship)

CAREER OUTCOMES
Engineering graduates: Recent engineering graduates are reaping the benefits of a flourishing job market in this growing field. During the next 10 years, engineering occupations are expected to grow faster than the average for all occupations.

Physics graduates: A bachelor’s degree in physics can lead to a variety of career opportunities, which include pursuing a graduate degree in physics or a related field; a career as a high school physics teacher; or a career in the high-tech industry.

CLUBS AND ORGANIZATIONS
• Physics and Engineering Club
• SRU Chapter of Sigma-Pi-Sigma Physics Honor Society

ALUMNI SPOTLIGHT
Timmy Samec, ’17 - Bachelor of science in physics with a concentration in computational biophysics
Ph.D. bioengineering student at Clemson University
“The SRU Physics Department was everything I could have imagined and much more. The quality of teaching, faculty advisement and student camaraderie were second to none. My experience at SRU played an integral part in my personal and professional development, undergraduate success and continued academic pursuits.”

Marisa Hicks, ’11 - Pre-engineering with Pennsylvania State University
Production supervisor and engineer at Pepsi Beverages Company
“The Physics and Engineering Department provides an intimate learning environment that cannot be matched by any large university. Everyone attends college in hopes of setting the foundation for a prosperous future and I absolutely credit my success as a student and professional to the critical years I spent with SRU’s Physics Department.”

Duayne Rieger, ’08 - Bachelor of science in physics with a concentration in computational physics
Associate professor of physics, Community College of Rhode Island
“At SRU, you not only receive a great education to pursue an academic or technical career in physics, but you receive it in small class settings from personable faculty members at an affordable cost. If I had to do everything over again, I would undoubtedly choose SRU all over again.”