SCHOOL OF ARTS AND SCIENCES

BACHELOR OF SCIENCE IN PHYSICS

CAMERON UNIVERSITY

DEPARTMENTAL DESCRIPTION

The Department of Chemistry, Physics, and Engineering offers a Bachelor of Science degree with majors in Chemistry and Physics and an Associate of Applied Science in Engineering. The department offers highly-qualified and caring faculty, small class sizes, well-equipped laboratories and classrooms, and a 24-station computer lab, housed in the state-of-the-art Sciences Complex.

MAJOR DESCRIPTION

The physics major is designed to deliver a solid background in the major areas of physics while providing sufficient flexibility to tailor the program to match students' interests. Required courses include two courses in General Physics covering all of the topics at an introductory level, and then individual courses treating these topics from a more advanced viewpoint. These topics include atomic physics, relativity, electronics and lasers. The upper division courses use advanced mathematics extensively. Therefore, physics majors usually minor in mathematics or double major in physics and mathematics. This program prepares students for success in industry or for graduate study in physics, engineering, or other related disciplines.

SCHOLARSHIPS

Through generous support of alumni and friends of the department, several scholarships are available to students majoring in chemistry and physics.

CONCENTRATIONS

Students may choose to concentrate on electronics, optics, quantum or computational physics, mathematics, computer science, or physical chemistry in preparation for graduate study programs in physics.

WHAT IS PHYSICS?

Physics is the fundamental science. It is concerned with the laws of nature at the most basic level.

DEPARTMENTAL ACTIVITIES

Cameron has an active local chapter of the Society of Physics Students (SPS), the national physics student organization. Included within SPS is a chapter of Sigma Pi Sigma, the national physics honor society. This chapter was the first chapter of a nationally affiliated honor society to be established at Cameron. There are numerous professional organizations related to various physics sub-disciplines. Most of these operate under the umbrella organization, the American Institute of Physics.

CAREER OPPORTUNITIES

Because a physicist with a bachelor's degree possesses a broad science background, advanced mathematical skills, and the ability to solve problems, career opportunities are quite varied including:

- **AEROSPACE**
- **OPTICS**
- **MATERIALS SCIENCE**
- **COMPUTER INDUSTRIES**
- **NASA**
- **GOVERNMENT LABORATORIES**
- **ELECTRONICS INDUSTRY**

The American Institute of Physics reported that the median starting salary for physicists graduating with a bachelor's degree in the combined 2013 & 2014 classes was $55,000.

FOR MORE INFORMATION CONTACT:

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CAMERON UNIVERSITY

WWW.CAMERON.EDU

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