HOWARD PAYNE UNIVERSITY

THE SCHOOL OF SCIENCE & MATHEMATICS

SCIENCE

OVERVIEW

The purpose of the School of Science and Mathematics is to provide programs and coursework to students in the fields of science, engineering, technology, and mathematics. The school also contributes course offerings for HPU's liberal arts and sciences general education curriculum. Undergraduate degrees are offered in the areas of biology, biomedical engineering, biomedical science, chemistry (with concentrations in biochemistry and forensic science), computer information systems, engineering science, information systems management, mathematics and software engineering.

COURSES DESCRIPTIONS

SCI 1200: Medical Terminology

This course is a basic study of medical terminology. The content focuses on building knowledge of medical language used in the health professions with an emphasis on spelling, definition, pronunciation, and usage. The course cannot count towards the degree requirements for a major or minor in biology or minor in biomedical sciences. Online. Fall, May. Prerequisite: none.

SCI 2104-2304: Medical Internship

Supervised work outside of the academic environment, but under the guidance of an instructor. Forty-five (45) clock hours of service per credit hour is required. The purpose is to provide students with medical experience in a health profession setting. May be repeated for credit. Fall, Spring. Prerequisite: consent of instructor.

SCI 4109: Chemistry Research Proposal

A course emphasizing library research, independent investigation, hypothesis formation and scientific proposal writing. Prerequisite: consent of instructor.

SCI 4209: Research Problems In Chemistry

A course emphasizing independent investigation using the scientific method to collect and analyze data in order to test the validity of a hypothesis. The conclusions determined will be presented and discussed in both a written and oral format. Fall, Spring. Prerequisite: SCI 4109.

SCI 4210: Research Problems In Chemistry II

A continuation of SCI 4209 Research Problems in Chemistry. This course allows students to extend independent investigation using the scientific method to collect and analyze data in order to test the validity of a hypothesis. The conclusions

determined will be presented and discussed in both a written and oral format. Fall, Spring. All prerequisites must carry a grade of "C" or better, or consent of instructor. Prerequisite: SCI 4209.