

# SCIENCE AND MATHEMATICS DEPARTMENT

## Faculty

**Department Chair:** Jeffrey O. Henderson

Christi Gillman, Derrick Hilton, Joshua Horton, Caitlin Kiel, David Richards, Jennifer Sandberg, Pete Sandberg, Fred Versluys, John Wallbaum  
*Emeritus:* Elizabeth Juergensmeyer, John McLane, Rolf Myhrman

## Objectives

Science and Mathematics offers courses in biology, chemistry, mathematics, physics, astronomy and earth science. The coursework of the department is designed so that all Judson students are expected to:

- Express ways in which science and mathematics are exciting, God-ordained, hands-on explorations of the created universe
- Become familiar with the scientific method and experience firsthand the process of doing experiments and drawing inferences from the resulting data
- Be able to articulate how science and mathematics are essential to comprehending our world and making good decisions in all areas of life
- Demonstrate ways the Christian worldview can inform ethical decision making in regards to science and technology that will impact the world around us
- Biochemistry Major (<https://catalog.judsonu.edu/departments-divisions-programs/science-mathematics-department/biochemistry-major/>)
- Biology Major (<https://catalog.judsonu.edu/departments-divisions-programs/science-mathematics-department/biology-major/>)
- Biology Minor (<https://catalog.judsonu.edu/departments-divisions-programs/science-mathematics-department/biology-minor/>)
- Chemistry Major (<https://catalog.judsonu.edu/departments-divisions-programs/science-mathematics-department/chemistry-major/>)
- Chemistry Minor (<https://catalog.judsonu.edu/departments-divisions-programs/science-mathematics-department/chemistry-minor/>)
- Mathematics Major (<https://catalog.judsonu.edu/departments-divisions-programs/science-mathematics-department/mathematics-major/>)
- Mathematics Minor (<https://catalog.judsonu.edu/departments-divisions-programs/science-mathematics-department/mathematics-minor/>)
- Natural Sciences Major (<https://catalog.judsonu.edu/departments-divisions-programs/science-mathematics-department/natural-sciences-major/>)

- physical therapy
- occupational therapy, and
- physician's assistant.

Students in these programs select one of the majors listed above, and then customize it to meet the admissions requirements of professional schools in their field(s) of interest.

The Department also offers a two-year program for students interested in a career in **pharmacy**. After completing two years of basic science and liberal arts requirements at Judson and securing acceptance to a professional school, pre-pharmacy students complete an additional four years for the Doctor of Pharmacy (PharmD) degree.

## Pre-Professional Programs

The Department offers four-year programs for students who plan to apply to professional schools of:

- medicine
- dentistry
- chiropractic
- veterinary medicine