Minor In Biomedical Sciences

Degree Requirements

A minor in Biomedical Sciences, requires 18 total credit hours, of which 12 must be completed in BMD.

Biomedical Sciences Minor Courses	Credit Hours
Biochemistry I - BMD 321 or CH 440 or BLY 440	3 hrs
Human Physiology - BMD 334 or BLY 350 or BMD 251	3 or 4 hrs
Human Anatomy - BMD 311 or BMD 252	3 or 4 hrs
BMD electives*	x hrs
*Recommended to include BMD 322 or CH 441 or BLY 441	
Total	**18**

Department Information

Biomedical Sciences Administrative Staff	(251) 445-9265
Chair	Nancy Rice
Professors	Rice
Professor Emeritus	Covey, Davis, Spector, Turrens
Associate Professor Emeritus	Stanfield
Associate Professors	Mockett, Ravine, Shokolenko, Thulasiraman
Assistant Professors	Gorelik, Swiger
Instructors	Henry

Department of Biomedical Sciences website
https://www.southalabama.edu/colleges/alliedhealth/biomedical

The Department of Biomedical Sciences educates students for successful health-related careers by providing instruction in core scientific content, encouraging critical thinking and providing active collaboration; it engages in hypothesis-driven research, embraces global diversity, and guides students to become life-long learners dedicated to enriching the scientific and healthcare community. The curriculum offers students a strong general education in the humanities, arts, and social sciences, followed by in-depth study in one of three concentrations: Pre-Health Professional Health (PHP). Biotechnology, and Public and Global Health. The program offers an optional Honors Research Thesis (BMD 499) to qualified students consisting of a laboratory apprenticeship in biomedical research under the mentorship of a faculty scientist. Students interested in the Honors Research Thesis option should contact Dr. Robin Mockett for information.

Concentrations

Pre-Health Professional (PHP)

The PHP concentration provides a strong foundation in basic human sciences, with corollary work in chemistry, math, and statistics. The PHP concentration prepares students to pursue post baccalaureate educational experiences in any biomedical discipline, including medicine, dentistry, pharmacy, optometry, as well as a Ph.D. degree in a variety of health and science related fields. In addition, this concentration offers prerequisite coursework for students wishing to pursue programs in the Pat Capps Covey College of Allied Health Professions.

Biotechnology (BT)

The BT concentration provides a strong foundation in basic human sciences, with an emphasis on fundamental concepts of genetics, molecular biology, and recombinant DNA technology. The core requirements have a strong applied skill-based laboratory component that further reinforces theoretical concepts. The BT concentration prepares students for entry level biotechnology jobs or post-graduate (M.S. and Ph.D.) research programs.

Public And Global Health (PGH)

The PGH concentration offers students interested in healthcare careers with a foundational knowledge of those challenges that limit the provision of health care globally. This concentration provides a strong foundation in basic human sciences, corollary work in chemistry, math, and statistics, and adds a multi-disciplinary exploration into key factors important to health and disease in resource limited areas. Students in the PGH concentration will gain knowledge of public health, global diseases, international healthcare systems, and introduction to epidemiology, as well as a basic knowledge of those social and environmental factors that impact health and disease in vulnerable populations. A BMD degree with a concentration in PGH prepares students for a tremendous diversity of graduate programs and careers in scientific research, public health, global health education, and jobs in industry and government laboratories (CDC).