
UNDERGRADUATE MAJOR IN HEALTH SCIENCE

Department of Physiology and Health Science

ABOUT THE DEPARTMENT

The Department of Physiology and Health Science teaches human life sciences and their use in promoting health and preventing disease. Several distinct but related subject areas make up the department. They are:

Physiology is the study of the vital functions of cells, tissues, organs, and systems. **Anatomy** is the study of the structure of cells, tissues, organs, and systems -- the basic units that experience life, health, disease, and death.

Health Science promotes the application of scientific health principles to human life, primarily through health education in schools, community health agencies, health-care facilities, and worksites. The goals of health science education are to help people make intelligent decisions in solving personal, family, and community health problems, and to assist them in leading personally satisfying and socially constructive, healthy lives.

Allied Health Science programs, offered in conjunction with Clarian Health in Indianapolis, combine academic course work in basic sciences, the Core Curriculum program, and related patient-client matters with appropriate hospital-based clinical experiences. The associate degree programs in allied health science prepare students for national certification and jobs in nuclear medicine technology, radiation therapy, and radiography. (Please see separate information sheets on each program.)

The Public Health Entomology Laboratory personnel conduct research on insects and their relationships to personal and community health problems. The laboratory also offers various services, including identification of insects and other arthropods, and the distribution of information about public health entomological problems.

CAREER OPPORTUNITIES FOR HEALTH SCIENCE MAJORS

Successful completion of the health science program can prepare graduates for jobs in community health education. The primary career settings in which most students are placed include health agencies, health care facilities (e.g., hospitals, clinics, nursing homes), health insurance agencies (e.g., HMO/managed care), and business/industry worksites.

DEPARTMENTAL PROGRAMS

Major in Health Science, 55-56 hours* The primary focus of this program is to prepare students for entry-level jobs as community health educators. In addition to the basic twelve courses that all majors must take, each student must select four additional courses that will help him or her prepare for a specific career setting. A minor is recommended for this program. Minors often selected include environmental health, gerontology, interpersonal relations, public health, and business administration.

Minor in Environmental Health, 19-20 hours* This program is designed to expand the educational and employment opportunities of students in several majors, most notably Health Science and Natural Resources & Environmental Management (particularly in the Occupational and Industrial Hygiene and Environmental Protection options). Several other programs are also strongly complemented by this minor, e.g., the existing majors in Biology and Consumer & Family Sciences and minors in Public Health and Environmental Management. Persons successfully completing a minor in Environmental Health would be well-suited to entry-level positions in the environmental health area of local health departments; experience would then allow more rapid upward mobility into positions in state health departments and private industry. Please contact Dr. Diana Godish at (765) 285-5961 for further information.

Minor in Physiology, 21-22 hours This program involves a concentration of courses in physiology and anatomy. This minor combines well with majors in Health Science, Nursing, and Exercise Science, and existing majors in Biology and Consumer and Family Sciences. Please contact Dr. Marianna Zamlauski-Tucker at (765) 285-8360 for further information.

Minor in Community Health Education, 25 hours* This program includes courses in health science and health education, as well as an internship with a governmental or voluntary health agency. This minor combines well with majors in Natural Resources, Social Work, Sociology, and Home Economics. Not open to Health Science majors. Please contact Ms. Terrie Greenwalt at (765) 285-8368 for further information.

Minor in Public Health, 22-26 hours* This program includes courses in public health, health science, and political science. This minor combines well with majors in Health Science, Natural Resources, Biology, and Home Economics. Please contact Ms. Terrie Greenwalt at (765) 285-8368 for further information.

*An internship with an approved health agency or educational institution is required for majors and minors. This professional experience takes place under the supervision of a university supervisor and the agency administrator for a period of time commensurate with academic credit.

MAJOR IN HEALTH SCIENCE

STUDENT CHECK SHEET

(effective Fall Semester 2006)

Please use this Check Sheet, along with your DAPR, to help you keep track of "where you are" in your Health Science major.

BACCALAUREATE DEGREES

Students will be guided by the outline of baccalaureate degrees, the University Core Curriculum (see 2006-2008 Ball State University Undergraduate Catalog), and the Health Science program listed below. **Please pay close attention to prerequisites. If you register for a course but have not successfully completed its prerequisite, you will be dropped from the class.**

To graduate in 4 years (8 semesters), students must average almost 16 credits (15.75) per semester and complete the internship (HSC 479 or 480) during one of the semesters of the senior year.

PROGRAM OF STUDY FOR THE HEALTH SCIENCE MAJOR (55-56 HOURS)

	<u>Fall Semester</u>	<u>Spring Semester</u>
Freshman year	Begin University Core Curriculum requirements (41 hours; include HSC 160, plus 7 hrs. of electives and/or second major/minor(s).	
Sophomore year	Continue with freshman year program of study and include:	
	HSC 180 Prin of Comm Hlth (3 hrs) _____	HSC 200 Intro to Hlth Ed (3 hrs) _____
	ANAT 201 Fund Hum Ana (3 hrs) _____	PHYSL 205 Fund Physl (3 hrs) _____
Junior year	HSC 300 Hlth Prom Pro (5 hrs) _____	HSC 385 Com Hlth Meths (4 hrs) _____
	HSC 387 Quan Meth Epi (4 hrs) _____	HSC 394 Health Ed Communic (5 hrs) _____
	HSC Elective ** (3 hrs) _____	Elective &/or 2nd major/minor hrs (3 hrs) _____
		HSC Elective** (3 hrs) _____
Senior year	HSC 396 (2 hrs) _____	
	HSC Elective** (3 hrs) _____	HSC Required Selective* (3 hrs) _____
	HSC Elective ** (3 hrs) _____	HSC 499 Sr Seminar (1 hrs) _____
	Elective &/or 2nd major/minor hrs (3 hrs) _____	

In order to enroll in HSC 479 or 480 (internship), health science majors must have taken a minimum of 25 credit hours in health science and must earn a minimum cumulative GPA of 2.50 in the following health science courses: HSC 200, 300, 385, 387, 394, 396, and one of the following: HSC 363, 462, or 464.

* **Selectives** - Health Science majors must choose 3 hours (1 course) from the following:
HSC 363, 462, or 464 (see undergraduate catalog)

** **Electives** - Health Science majors must choose 12 hours from the following:
HSC 250, 261, 465, 467, 468, 469, 471, 472, 481, 482; BIO 113; CPSY 360; ECON 347; FCSFN 340;
MGT 200, 261, 271; NUR 101; PSYSC 301 (see undergraduate catalog)

To plan your schedule, please keep in mind that HSC courses are **generally** offered during these semesters:

FALL	160, 180, 250, 261, 290, 300, 350, 387, 395, 396, 465, 467, 471, 472, 481, 482
SPRING	160, 180, 200, 250, 261, 350, 363, 385, 394, 396, 462, 464, 465, 467, 468, 469, 471
1st SUMMER	160, 180, 200, 250, 261, 350, 465, 472
2nd SUMMER	160, 180, 250, 261, 350, 467, 471

FOR ADDITIONAL INFORMATION

Contact:

Office of Admissions
Ball State University
1-800-482-4BSU
1-765-285-8300
TDD users only: 765-285-2205

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