UNDERGRADUATE MAJOR IN

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. Four distinct but related subjects are taught in the department.

Our Department offers a number of courses to meet the University's new core requirements for UCC-21. These are as follows:

TIER 1	TIER 2	TIER 3
HSC 160	HSC 180	HSC 479
	HSC 261	
	HSC 471	

PHYSIOLOGY is the study of the vital functions of cells, tissues, organs, and systems and **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 and related patient-client matters with appropriate hospital-based clinical experiences. The associate in science degree programs in allied health science prepare students for national certification and for jobs in radiation therapy, and radiography. The bachelor of science degree prepares students for careers in Respiratory Therapy. (Please see separate information sheets on each program.)

DEPARTMENTAL PROGRAMS

MAJOR IN HEALTH SCIENCE, 57 HRS* 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, marketing, professional selling, business administration and environmental or emergency management.

SCHOOL HEALTH EDUCATION, 37-40 The major in school health education prepares students to serve as health educators in middle and high school settings. In addition to the course work required in the major, students must complete the professional education course sequence and teacher education requirements, including a student teaching experience. (Please see separate information sheet for this program.)

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.

MINOR IN ENVIRONMENTAL HEALTH, 19-20 HRS* 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., 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. Martin Wood at 765-285-4908 for further information.

MINOR IN PHYSIOLOGY, 21-22 HRS This program involves a concentration of courses in physiology and anatomy. This minor combines well with majors in Health Science, Nursing, and Exercise Science, Biology, and Family & Consumer Sciences. Please contact Dr. Marianna Zamlauski-Tucker at 765-285-8360 for further information.

MINOR IN COMMUNITY HEALTH EDUCATION, 25 HRS* 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 Family & Consumer Sciences. Not open to Health Science majors. Please contact Mrs. Lisa Smith at 765-285-8368 for further information.

MINOR IN PUBLIC HEALTH, 22-26 HRS* 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 Family & Consumer Sciences. Please contact Mrs. Lisa Smith 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.

STUDENT CHECK SHEET

HEALTH SCIENCE

For those declaring the major after July 1, 2010

HOW TO USE THIS SHEET

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

PLEASE PAY CLOSE ATTENTION TO PREREQUISITES.

If you register for a course but have not successfully completed its prerequiste, you **will be dropped** from the class.

BACCALAUREATE DEGREES

Students will be guided by the outline of baccalaureate degrees, the University Core Curriculum & the Health Science program listed below.

To graduate in <u>4 academic years (8 semesters)</u>, students must average over 16 credits per semester & complete the internship (HSC 479) during the spring semester of senior year. Students should assume no other classes can be taken to complete the degree.

The <u>recommended</u> course of study is to complete the following 8 semesters below, and take the internship in the summer semester.

RECOMMENDED PROGRAM OF STUDY: MAJOR IN HEALTH SCIENCE

FALL SEMESTER SPRING SEMESTER Begin University Core Curriculum requirements including HSC 160, begin electives* and second major or minor(s). FRESHMAN YEAR SOPHOMORE YEAR Continue coursework for University Core Curriculum, electives* and second major or minor(s). HSC 180 Prin of Comm HIth 3 HRS HSC 200 Intro to HIth Ed 3 HRS ANAT 201 Fund Hum Ana **PHYS 205** Fund Physl 3 HRS 3 HRS JUNIOR YFAR Continue coursework for minor(s), electives*, selectives** HSC 300 HIth Prom Pro 5 HRS HSC 385 Com HIth Meths 4 HRS HSC 444 Dis Mgt Hlp 3 HRS HSC 387 Quan Meth Epi 4 HRS FCFN 240 NTR for Edu. 3 HRS HSC Elective(s)* 3 HRS Continue coursework for minor(s), electives*, selectives** SENIOR YEAR HSC 394 HIth Ed Comm HSC 396 HIth Com Med. 3 HRS 2 HRS HSC 464 H Ed Clinic 3 HRS HSC 462 HL Pro Wkste 3 HRS 3 HRS 3 HRS Elective(s)* Elective(s)*

*ELECTIVES: Majors must choose at least 9 HRS from the following: HSC 250, 261, 462, 464, 465 or 467, 468, 469, 471, 472, 481, 482, 496; BIO 113; CPSY 360; ECON 348; MGT 200, 261, 271; NUR 101; PSYSC 301 (see catalog).

**SELECTIVES: Majors must choose 3 hrs (1 course) from the following: HSC 462, or 464 (see catalog). A second "selective" is strongly recommended; if chosen, that course will fulfill an HSC elective requirement.

INTERNSHIPS: In order to enroll in HSC 479 (Internship, 6 cr. hrs.), 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 462, 464. The internship is the senior capstone experience and should be the last course students take to complete the baccalaureate degree. Students should not plan to take other courses with the internship.

GENERAL SEMESTER OFFERINGS—HEATH SCIENCE COURSES

FALL

160, 180, 250, 261, 290, 300, 350, 394, 396, 444, 464, 465, 467, 471, 472, 481,

SPRING

160, 180, 200, 250, 261, 350, 363, 385, 387, 396, 462, 465, 467, 468, 469, 471 482

SUMMER

479 (Internship 6 cr. hrs.)

SUMMER 1

160, 180, 200, 250, 261, 350, 467, 472

SUMMER 2

160, 180, 261, 467, 471



CONTACT US

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www.bsu.edu/physiology-health

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