

Bachelor of Science in Health Science

Department of Health Science
College of Health & Human Development
California State University, Fullerton
Effective Fall 2012
49 Units

Students declaring a Health Science major need to successfully (grade C or better) complete a set of prerequisite, core, track, and elective courses. The list of these courses is provided below. Please note that not all courses are offered each semester. For more detailed information about the program, course offerings, faculty, and career options, please meet with a faculty advisor, review the CSUF catalogue or visit our web site at <http://hdcs.fullerton.edu/hesc>

All Health Science majors can meet with a Health Science Faculty Advisor. The Health Science Advising Center is located in KHS 193 - E-mail: HESCadvising@fullerton.edu (Advisors: Alysia Ransons or Jackie Blyleven).

Students wishing to pursue careers in the health professions (medical doctor, pharmacist, optometrist, dentist and doctor of osteopathy) are advised to seek additional counseling through the Health Professions Office (UH 223). Go to their website to get more information and/or to make an appointment.

http://www.fullerton.edu/health_professions/

Prerequisite Requirements for Major

- | | |
|---|--|
| <input type="checkbox"/> 3 units of Introductory Biology | (Will accept: BIOL 101, 102, 151, 152, 171, 172, 202, or equivalent) |
| <input type="checkbox"/> 3 units of Introductory Chemistry | (Will accept: CHEM 100, 115, 120A, 200, or equivalent) |
| <input type="checkbox"/> 1 unit Science Lab | (Will accept: BIOL 101L, CHEM 100L, or equivalent) |
| <input type="checkbox"/> 3 units of Introductory Social Science | (Will accept: PSYC 101, SOCI 101, or equivalent) |
| <input type="checkbox"/> 3 units of Introductory Oral Communication | (Will accept: HCOM 100, 102, or equivalent) |
| <input type="checkbox"/> 3 units of Anatomy & Physiology | (Course may be combined/integrated A&P or separate Anatomy & Physiology courses) |

Core Requirements for Major (25 UNITS)

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|------------------------------------|---|
| <input type="checkbox"/> HESC 101: | Personal Health (3) |
| <input type="checkbox"/> HESC 220: | Concepts in Health Science (3); (HESC 220 is a prerequisite for all HESC 400 level courses; Take HESC 220 concurrent with HESC 494) |
| <input type="checkbox"/> HESC 494: | Practicum in Health Science (1) |
| <input type="checkbox"/> HESC 349: | Measurement & Statistics in Kinesiology & Health (3) |
| <input type="checkbox"/> HESC 400: | Program Design (3) |
| <input type="checkbox"/> HESC 401: | Epidemiology (3); (prerequisite: HESC 349) |
| <input type="checkbox"/> HESC 440: | Health Behavior (3) |
| <input type="checkbox"/> HESC 475: | Health Science Research & Evaluation (3); (prerequisite: HESC 349, HESC 401) |
| <input type="checkbox"/> HESC 495: | Internship in Health Science (3)***See bottom of last page for special notes. |

In addition to the core requirements that all health science majors must complete, we offer **three** tracks: Health Promotion and Disease Prevention, Global Health, and Environmental and Occupational Health and Safety. Students will be required to select **one** track in which to concentrate and successfully complete those requirements.

**Required Courses for Each Advisory Track
(12 UNITS REQUIRED)**

TRACK 1: Health Promotion and Disease Prevention

- HESC 410: Community Health Education
- HESC 450: Applied Health Promotion in Aging Populations
- HESC 455: Designing Health Education Curricula
- HESC 460: Worksite Health Promotion

TRACK 2: Global Health

- HESC 411: Promoting Health in Multicultural Populations
- HESC 465: Introduction to International Health
- HESC 480: Transdisciplinary Perspectives on HIV/AIDS
- HESC 481: Health in a Global Society

**Elective Options for Tracks 1 & 2
(9 UNITS TOTAL REQUIRED)**

6-9 Units:

- HESC 300: Holistic and Integrative Medicine
- HESC 301: Promotion of Optimal Health
- HESC 321: Drugs & Society
- HESC 325: Consumer Health
- HESC 342: Stress Management
- HESC 350: Nutrition
- HESC 353: Physical Activity & Lifelong Well-Being
- HESC 358: Contemporary Issues in Children's Health
- HESC 405: Worksite Injury Prevention & Rehabilitation
- HESC 413: Health Policy
- HESC 415: Environmental Health
- HESC 420: Chronic Disease Epidemiology (prerequisite: HESC 401)
- HESC 421: Infectious Diseases Epidemiology (prerequisite: HESC 401)
- HESC 425: Complementary and Alternative Health Therapies
- HESC 461: Occupational Health & Safety
- HESC 462: Environmental Toxicology and Health
- HESC 463: Air Pollution and Health

0-3 Units (from other Departments)

- AFRO 304: Black Family
- AMST 438: American Minds: Images of Sickness and Health
- ANTH 308: Culture and Aging
- ANTH 315: Culture and Nutrition

- ANTH 322: Human Behavioral Ecology
- ANTH 342: Anthropology and Health
- ANTH 344: Human Evolution
- ASAM 340: Asian American Communication
- ASAM 342: Asian Pacific American Families
- ASAM 346: Asian American Psychology
- ASAM 348: Asian Pacific American Perspectives on Aging
- BIOL 300: Environmental Biology
- BIOL 302 (4 units): General Microbiology
- BIOL 305: Human Heredity and Development
- BIOL 306: Biology of Aging
- BIOL 310: Human Physiology
- BIOL 360: Biology of Human Sexuality
- BIOL 361 (4 units): Human Anatomy
- CHEM 301A: Organic Chemistry
- CHEM 301B: Organic Chemistry
- CHEM 302 (2 units): Organic Chemistry Lab
- CHEM 302A (1 unit): Organic Chemistry Lab
- CHEM 302B (1 unit): Organic Chemistry Lab
- CHEM 303A (1 unit): Biotechnology: Business and Society
- CHEM 303B (1 unit): Medical Biotechnology
- CHEM 303C (1 unit): Agricultural/Environmental Biotechnology
- CHEM 311: Nutrition and Disease
- CHEM 313A (1 unit): Air Pollution
- CHEM 313B (1 unit): Water Pollution
- CHEM 313C (1 unit): Land Pollution
- CHIC 305: The Chicano Family
- GEOG 350: Nature and Society
- HCOM 345: Communication and Aging
- KNES 348: Physiology of Exercise
- KNES 351: Principles of Conditioning
- KNES 432: Applied Exercise Psychology
- KNES 454: Physical Activity and the Aging Process
- PHIL 314: Medical Ethics
- PSYCH 312: Psychology of Human Sexual Behavior
- PSYCH 341: Abnormal Psychology
- PSYCH 351: Social Psychology
- PSYCH 362: Psychology of Aging
- PSYCH 391: Industrial/Organizational Psychology
- SOCI 300: Introduction to Social Welfare
- SOCI 354: Sex Roles and Gender
- SOCI 360: Sociology of Death and Dying
- SOCI 361: Population and the Environment
- SOCI 381: Sociology of Human Sexuality
- SOCI 385: Family Violence
- SOCI 443: Sociology of Aging
- SPED 371: Exceptional Individual
- WMST 410: Women's Health and Aging

**Required Courses for This Advisory Track
(12 UNITS REQUIRED)**

TRACK 3: ENVIRONMENTAL AND OCCUPATIONAL HEALTH AND SAFETY

- HESC 415: Environmental Health
- HESC 416: Global Issues in Environmental Health
- HESC 461: Occupational Health and Safety
- HESC 462: Environmental Toxicology and Health

**Elective Options for Track 3
(9 UNITS TOTAL REQUIRED)**

6-9 UNITS:

- HESC 405: Worksite Injury Prevention & Rehabilitation
- HESC 420: Chronic Disease Epidemiology (prerequisite: HESC 401)
- HESC 421: Infectious Disease Epidemiology (prerequisite: HESC 401)
- HESC 460: Worksite Health Promotion
- HESC 463: Air Pollution and Health

0-3 UNITS:

- HESC 321: Drugs & Society
- HESC 350: Nutrition
- HESC 358: Contemp. Issues in Children's Health
- HESC 450: Applied Health Promotion in Aging Populations
- BIOL 300: Environmental Biology
- BIOL 302 (4 units): General Microbiology
- BIOL 305: Human Heredity and Development
- BIOL 306: Biology of Aging
- BIOL 310: Human Physiology
- BIOL 360: Biology of Human Sexuality
- BIOL 361 (4 units): Human Anatomy
- CHEM 301A: Organic Chemistry
- CHEM 301B: Organic Chemistry
- CHEM 302 (2 units): Organic Chemistry Lab
- CHEM 302A (1 unit): Organic Chemistry Lab
- CHEM 302B (1 unit): Organic Chemistry Lab
- CHEM 303A (1 unit): Biotechnology: Business and Society
- CHEM 303B (1 unit): Medical Biotechnology
- CHEM 303C (1 unit): Agricultural/Environmental Biotechnology
- CHEM 311: Nutrition and Disease
- CHEM 313A (1 unit): Air Pollution
- CHEM 313B (1 unit): Water Pollution
- CHEM 313C (1 unit): Land Pollution
- KNES 348: Physiology of Exercise
- POSC 320: Introduction to Public Management and Policy
- SOCI 361: Population and the Environment

English Proficiency Requirement (3 UNITS)

In order to satisfy the upper-division writing requirement of the university, Health Science majors (all tracks) must pass with a grade of C or better:

ENGL 301: Advanced College Writing

OR

ENGL 360: Technical Writing

Notes

Keep in mind that some of the courses you choose as an elective from other departments may have prerequisites ESPECIALLY the science courses from Biology and Chemistry (see the course catalog for details). Plan for this!

*** All core courses except HESC 475 must be completed **prior to HESC 495**. One track course may be completed concurrent with HESC 495; all other track courses must be completed **prior to enrolling in HESC 495**.

*** HESC 475 may be taken before or concurrently with HESC 495, but **not after completion of HESC 495**

*** No more than 12-15 units may be taken during the semester in which you enroll in HESC 495. (NOTE: You will need to attend an **orientation meeting** for HESC 495 the semester **prior** to the semester you plan to take it. Look for announcements on your portal and via email. Currently HESC 495 is offered every fall, spring, and summer.)