School of Interdisciplinary Studies

Healthcare Studies (BS)

Overview

The Bachelor of Science degree in Healthcare Studies is designed for pre-health students who want to pursue careers in healthcare fields such as medicine, pharmacy, dentistry, optometry, physical therapy, health care administration, occupational therapy, physician assisting, and podiatry.

The School of Interdisciplinary Studies offers the degree, which provides the academic foundation for pre-health students to prepare for advanced study as well as the essential knowledge components in healthcare studies.

Science foundation areas within the degree include biology, chemistry, and physics. Healthcare studies areas include pre-health professional development, a healthcare internship, medical terminology, psychological aspects of health and illness, understanding of the U.S. healthcare system, patient education, and prevention.

Bachelor of Sciences in Healthcare Studies

**Degree Requirements** (120 semester credit hours)

Faculty

Professors: George W. Fair, Karen J. Prager, Lawrence J. Redlinger, Erin A. Smith

Professor in Practice: Seema Yasmin

Senior Lecturers: Kathleen Byrnes, Jillian Duquaine-Watson, Patricia A. Leek, Angela McNulty, Rebekah Nix, Teresa Parker, Elizabeth M. Salter, Nancy C. Van, Elizabeth Winstead, Tonja Wissinger

I. Core Curriculum Requirements: 42 semester credit hours

**Communication:** 6 semester credit hours

- **COMM 1311** Survey of Oral and Technology-based Communication
- **RHET 1302** Rhetoric

**Mathematics:** 3 semester credit hours

Choose one from the following courses:
MATH 1325  Applied Calculus I  
MATH 2413  Differential Calculus  
MATH 2417  Calculus I  

Life and Physical Sciences: 6 semester credit hours  
CHEM 1311  General Chemistry I  
CHEM 1312  General Chemistry II  

Language, Philosophy and Culture: 3 semester credit hours  
HUMA 1301  Exploration of the Humanities  
Or select any 3 semester credit hours from Language, Philosophy and Culture core courses  

Creative Arts: 3 semester credit hours  
Choose one from the following courses:  
ARTS 1301  Exploration of the Arts  
Or select any 3 semester credit hours from Creative Arts core courses  

American History: 6 semester credit hours  
Choose two from the following courses:  
HIST 1301  U.S. History Survey to Civil War  
HIST 1302  U.S. History Survey from Civil War  
HIST 2301  History of Texas  

Government / Political Science: 6 semester credit hours  
GOVT 2305  American National Government  
GOVT 2306  State and Local Government  

Social and Behavioral Sciences: 3 semester credit hours  
PSY 2301  Introduction to Psychology  

Component Area Option: 6 semester credit hours  
BIOL 2311  Introduction to Modern Biology I  
STAT 2332  Introductory Statistics for Life Science  

https://catalog.utdallas.edu/2017/undergraduate/programs/is/healthcare
II. Major Requirements: 44 or 52 semester credit hours

Foundation I: Scientific Foundation Studies: 15 or 23 semester credit hours beyond Core Curriculum (depending upon career track)

All the following:

- **BIOL 2311** Introduction to Modern Biology I
- **BIOL 2111** Introduction to Modern Biology Workshop I
- **BIOL 2312** Introduction to Modern Biology II
- **BIOL 2112** Introduction to Modern Biology Workshop II
- **CHEM 1311** General Chemistry I
- **CHEM 1111** General Chemistry Laboratory I
- **CHEM 1312** General Chemistry II
- **CHEM 1112** General Chemistry Laboratory II

And

Either 8 or 16 semester credit hours of the following courses:

8 semester credit hours of the following (depending on career track):

- **CHEM 2323** Introductory Organic Chemistry I
- **CHEM 2123** Introductory Organic Chemistry Laboratory I
- **CHEM 2325** Introductory Organic Chemistry II
- **CHEM 2125** Introductory Organic Chemistry Laboratory II

or

- **PHYS 1301** College Physics I
- **PHYS 2125** Physics Laboratory I
- **PHYS 1302** College Physics II
- **PHYS 2126** Physics Laboratory II

16 semester credit hours of the following (depending on career track):

- **CHEM 2323** Introductory Organic Chemistry I
- **CHEM 2123** Introductory Organic Chemistry Laboratory I
- **CHEM 2325** Introductory Organic Chemistry II
- **CHEM 2125** Introductory Organic Chemistry Laboratory II
PHYS 1301 College Physics I
  or PHYS 2325 Mechanics

PHYS 2125 Physics Laboratory I

PHYS 1302 College Physics II
  or PHYS 2326 Electromagnetism and Waves

PHYS 2126 Physics Laboratory II

Foundation II: Healthcare Foundation Studies: 14 semester credit hours

HLTH 1100 Career Explorations for the Health Professions

HLTH 3101 Medical Terminology

HLTH 3300 Pre-Health Professional Development

HLTH 3305 The U.S. Healthcare System

HLTH 3315 Issues in Patient Education

HLTH 4304 Health Professions Internship

Foundation III: Multidisciplinary Healthcare Studies: 15 semester credit hours

Required (3 semester credit hours):

BIS 3320 The Nature of Intellectual Inquiry

Required (3 semester credit hours from the following):

HLTH 3301 Issues in Geriatric Healthcare

HLTH 4305 Public Health

HLTH 4380 Special Topics in Healthcare

Required (3 semester credit hours from the following):

PSY 4328 Health Psychology

PSY 4343 Abnormal Psychology

And choose 6 semester credit hours from among the following courses:

ECON 3330 Economics of Health

GEOG 3357 Spatial Dimensions of Health and Disease

HLTH 3310 Health Care Issues: Global Perspectives

HMGT 3301 Introduction to Healthcare Management

HLTH 3306 Gender in Healthcare
PHIL 3328  History and Philosophy of Science and Medicine
PHIL 3320  Medical Ethics
PHIL 4321  Philosophy of Medicine
PSCI 4365  Law and Medicine
SOC 4371  Mental Health and Illness
SOC 4372  Health and Illness

III. Guided Elective Requirements: 26 or 34 semester credit hours

Required for all freshmen: 1 semester credit hour

UNIV 1010  Freshman Seminar
BIS 1100  Interdisciplinary Studies Freshman Seminar

Guided Electives: 25 or 33 semester credit hours

Students interested in pursuing entrance into health professional fields (such as medical, dental, pharmacy, physician assistant, physical therapy, optometry, etc.) should seek advising on additional courses required for entrance into the particular professional school of their interest. A subset of the following courses should be considered essential and should be taken as part of their elective credits.

BIOL 2281  Introductory Biology Laboratory
BIOL 3301  Classical and Molecular Genetics
BIOL 3101  Classical and Molecular Genetics Workshop
BIOL 3302  Eukaryotic Molecular and Cell Biology
BIOL 3102  Eukaryotic Molecular and Cell Biology Workshop
BIOL 3361 or CHEM 3361  Biochemistry I
BIOL 3161  Biochemistry Workshop I
BIOL 3361 or CHEM 3362  Biochemistry II
BIOL 3162  Biochemistry Workshop II
BIOL 3455  Human Anatomy and Physiology with Lab I
BIOL 3456  Human Anatomy and Physiology with Lab II
BIOL 3370  Exercise Physiology
BIOL 4310  Cellular Microbiology
BIOL 4345  Immunobiology

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Students must complete a total of 51 semester credit hours of upper-division coursework to graduate. A minimum of 45 semester credit hours must be taken at UT Dallas. All the coursework in the final semester must be taken at UT Dallas.

1. Incoming freshmen must enroll and complete requirements of UNIV 1010 and the corresponding school-related freshman seminar course. Students, including transfer students, who complete their core curriculum at UT Dallas must take UNIV 2020.

2. Curriculum Requirements can be fulfilled by other approved courses from institutions of higher education. The courses listed are recommended as the most efficient way to satisfy both Core Curriculum and Major Requirements at UT Dallas.

3. A required major course that also fulfills a Core Curriculum requirement. Semester credit hours are counted in the Core Curriculum.

4. Students may take either 8 or 16 semester credit hours in Foundation I depending upon career track. Please consult your advisor for additional information.