

# HEALTH SCIENCES, BA

## Overview

The bachelor's degree in Health Sciences provides a foundational knowledge in health sciences, preparing graduates for roles in healthcare administration, public health, medical research, or clinical fields. Health science is a diverse area of study including health, disease, and the application of science to human health. Students will learn about the healthcare system, including its organization, policies, and ethics. Students will be able to synthesize knowledge of health, biological, social, and behavioral sciences to a foundation in healthcare and describe the interconnectedness of health, wellness, and disease. An emphasis is placed on the role of preventative actions and health behaviors. Students in this major are prepared to work in a variety of health-related careers and pursue graduate-level education. Health science majors typically value quality of health care, health promotion, and disease prevention in society.

Upon successful completion of the Health Sciences BA program, students will be able to:

- Utilize scientific inquiry to identify and evaluate reliable health knowledge
- Explain health and disease in the human body
- Describe the structure and function of the healthcare system
- Communicate effectively with patients, families, and other healthcare professionals
- Apply ethical principles and social justice awareness to promote health equity
- Employ research methods to develop new knowledge in the field
- Illustrate an understanding of the health of communities and populations
- Develop leadership techniques and management skills
- Analyze and evaluate health science-related questions

The BA in Health Sciences provides students with 29-31 semester hours of core content and 24-30 semester hours of electives to allow students to pursue their own interests in healthcare, public health, and wellness. Students will also complete 23 semester hours of support courses and 31 hours of CORE studies. Students will also be well prepared for career opportunities or graduate study in occupational therapy, public health, or health policy.

Health Sciences majors are encouraged to pursue a minor in related and complementary fields, such as psychology, data analytics, biology, chemistry, Hispanic studies, African American studies, women and gender studies, organizational leadership, general business for non-business majors, or human resource management.

## Standards

All courses applying to the health science major, including required supporting courses, must be passed with a C- or higher grade and a minimum cumulative GPA of 2.0.

## Requirements

Code	Title	Credit Hours
<b>MAJOR CORE</b>		<b>29-31</b>
AHS 305	CONCEPTS OF HEALTH AND DISEASE	3
BIOL 118	CAREERS IN HEALTH SCIENCES	1

BIOL 123	ANATOMY &PHYSIOLOGY I	4
BIOL 124	ANATOMY &PHYSIOLOGY II	4
HCA 300	GLOBAL HEALTH	3
HCA 360	FOUNDATIONS HEALTH EDUCATION	3
HCA 370	RESEARCH METHODS IN HEALTH SCIENCE (RESEARCH METHODS IN HEALTH SCIENCES)	3
or BIOL 301	CELLULAR &MOLECULAR BIOLOGY	
HSAD 353	MEDICAL ETHICS AND THE LAW	3
or PHIL 233	BIOMEDICAL ETHICS	
<b>ELECTIVES</b>		<b>24-30</b>
<b>Policy Elective: Choose 1 of the following</b>		
AHS 340	PRINCIPLES OF HEALTH	3
HSAD 250	PUBLIC HEALTH ISSUES AND IDEAS	3
HSAD 352	HEALTH POLICY	3
<b>Leadership Elective: Choose 1 of the following</b>		
HCA 310	HC LEADERSHIP AND COMMUNICATION (HEALTHCARE LEADERSHIP AND COMMUNICATION)	3
HSAD 360	INTRAPROFESSIONAL TEAMS	3
<b>Data Analysis Elective: Choose 1 of the following</b>		
BIOL 318	BIOSTATISTICS	3
BIOL 326	EPIDEMIOLOGY	3
<b>Science Elective: Choose 3 of the following</b>		
AHS 154	MICROBIOLOGY FOR HEALTHCARE PR	3
AHS 260	CLINICAL NUTRITION	3
AHS 315	NUTRITION ASSESSMENT	3
BIOL 202	ECOLOGY, EVOLUTION, AND GENETICS	5
BIOL 221	KINESIOLOGY	3
CHEM 202	GENERAL CHEMISTRY II	5
CHEM 211	ORGANIC CHEMISTRY I	5
FIT 100	INTRODUCTION TO EXERCISE SCIENCE & NUTRITION	3
HSAD 363	HEALTH DISPARITIES	3
<b>Liberal Arts Elective: Choose 2 of the following</b>		
HIST 344	HISTORY OF MEDICAL RACISM	3
HIST 345	HISTORY OF MENTAL ILLNESS	3
HIST 348	SOCIAL & CULTURAL HISTORY OF MEDICINE 1500-PRESENT	3
PSYC 201	ABNORMAL PSYCHOLOGY	3
PSYC 205	DRUGS AND HUMAN BEHAVIOR	3
PSYC 347	HEALTH PSYCHOLOGY	3
PSYC 341	OLDER ADULTHOOD AND AGING	3
SOC 220	HEALTH, ILLNESS, & INEQUALITY	3
SOC 330	SOCIOLOGY OF MENTAL HEALTH AND ILLNESS	3
^additional courses will be added as appropriate		
<b>REQUIRED SUPPORT SEQUENCE</b>		<b>21-23</b>
AHS 133	CHEMISTRY FOR HEALTH SCIENCES	3
or CHEM 201	GENERAL CHEMISTRY I	
ALH 119	INTRODUCTION TO MEDICAL TERMINOLOGY	3
ECON 101	PRINCIPLES OF ECONOMICS I	3

MATH 217	ELEMENTARY STATISTICS	3
DSIT 103	INTRODUCTION TO DATA ANALYTICS	3
SOC 101	INTRODUCTION TO SOCIOLOGY	3
PSYC 103	INTRODUCTORY PSYCHOLOGY *	3
<b>Total credits</b>		<b>121</b>

## CORE Requirements (General Education)

Code	Title	Credit Hours
<b>First Year Success Course or Transfer Success Course</b>		
FYS 101	FIRST YEAR SUCCESS COURSE	1
or TRS 101	TRANSFER SUCCESS 101	
<b>Communication Requirement</b>		
ENG 101	COMPOSITION I: CRITICAL READING & WRITING	3
ENG 102	COMPOSITION II: INTRODUCTION TO ACADEMIC RESEARCH	3
COMM 101	PUBLIC SPEAKING (or program specific CORE communications course)	3
<b>Ideas of Social Justice</b>		
3 credits in coursework categorized as Ideas.		3
<b>Humanities and Fine and Performing Arts</b> <sup>2, 3</sup>		
9 credits from the following subject areas: African-American Studies, Art History, English (excluding ENG 101 and ENG 102), History, Languages, Music, Philosophy, Theatre, Communication and Women's and Gender Studies		9
<b>Mathematics</b>		
MATH 110	QUANTITATIVE LITERACY (or above) <sup>1</sup>	3
<b>Science</b>		
One biological science and one physical science required (one must include a one credit lab).		7-8
<b>Social Sciences</b> <sup>2,3, 4</sup>		
9 credits from the following subject areas: African-American Studies, Criminal Justice, Economics, History, Journalism, Philosophy, Political Science, Psychology, Sociology and Women's and Gender Studies		9
<b>Experiential Learning</b>		
6 credits from coursework categorized as Experiential Learning.		6
<b>Total Credit Hours</b>		<b>47-48</b>

<sup>1</sup> Higher level of Math may be required by major

<sup>2</sup> Coursework must come from outside of students' major discipline

<sup>3</sup> A maximum of 9 credits can be applied from a single discipline towards humanities and social science requirements

<sup>4</sup> Digital Advertising and Public Relations Majors must complete COMM 110 with a grade of C or higher. This course can fulfill one Social Science requirement.

These quantitative requirements also apply to degrees.

- Students must earn a minimum of 120 semester hours.
- Students may apply no more than 60 credit hours of 100-level courses toward the degree.
- Students must apply no fewer than 60 credit hours of 200- and 300-level courses toward the degree.

- Students must have at least 18 credit hours (of the 60 credit hours above) at the 300 level.
- Students may transfer in no more than 70 credit hours from community colleges.
- Students earning less than 60 total hours in residence must take their final 30 hours at Roosevelt University. Note that some majors have additional requirements for RU hours.
- Students must have a grade point average of 2.0 or higher to graduate. Note that some majors have additional GPA requirements.
- Students may apply no more than 51 hours in the major (BA) or 57 hours in the major (BS)

\*fulfills CORE requirement

\*\* Students that are interested in potentially pursuing any of the allied health fields should be strongly encouraged to take MATH 121

### Year 1

Fall	Credit Hours	Spring	Credit Hours
ENG 101	3	ENG 102	3
ALH 119	3	COMM 101	3
PSYC 103	3	AHS 133	3
MATH 110 or 121*	3	Ideas in Social Justice	3
BIOL 118	1	Science elective #1	3
FYS 101	1		
<b>14</b>		<b>15</b>	

### Year 2

Fall	Credit Hours	Spring	Credit Hours
BIOL 123	4	BIOL 124	4
DSIT 103	3	MATH 217	3
SOC 101	3	HCA 300	3
HSAD 351	3	Humanities #2	3
Humanities #1	3	Social Science #3	3
<b>16</b>		<b>16</b>	

### Year 3

Fall	Credit Hours	Spring	Credit Hours
ECON 101	3	AHS 340 or 250	3
BIOL 318 or 326	3	HSAD 353 or PHIL 233	3
Science Elective #2	3	AHS 305	3
Experiential Learning Course #1	3	Science Elective #3	3
Elective	3	Elective	3
<b>15</b>		<b>15</b>	

### Year 4

Fall	Credit Hours	Spring	Credit Hours
HCA 360	3	HSAD 360 or HCA 310	3
Liberal Arts Elective #1	3	HCA 370	3

Experiential Learning Course #2	3 Liberal Arts Elective #2	3
Humanities #3	3 Elective	3
Elective	3 Elective	3
<b>15</b>		<b>15</b>

**Total Credit Hours 121**

\*Students that are interested in potentially pursuing any of the allied health fields should be strongly encouraged to take MATH 121.