

# HEALTH SCIENCES, B.S.

## Overview

The B.S. in Health Sciences program is intended for students interested in professional careers in health care requiring certification and/or training beyond a bachelor's degree. Graduates of this program would be prepared for many possible careers with additional certification/professional training, such as medical imaging specialist, clinical laboratory scientist, genetic counselor, physical therapist, occupational therapist, doctor (M.D. or D.O.), physician assistant, dentist, optometrist, or podiatrist. Prerequisites for these programs are met by the B.S. in Health Sciences major requirements and appropriate courses from the elective options.

Occupational/technical credits from a health-related A.A.S. program may transfer as general electives for transfer students majoring in GCU's Health Sciences or Health Profession Studies programs.

## Physical Therapy: Georgian Court University and Saint Joseph's University (Philadelphia) Dual-Degree Program

Students can earn a bachelor's degree in Health Sciences from GCU and a doctoral degree from the Saint Joseph's University (Philadelphia; formerly University of the Sciences) in physical therapy in seven years after high school. For details about eligibility and coursework requirements, refer to "Preparation for Careers in Engineering, Law, Medicine, Pharmacy, and Physical Therapy" in this catalog.

## Learning Outcomes

Upon successful completion of the program of study, the student will receive a B.S. in Health Sciences and will have given evidence of the following outcomes and goals:

- Students will use and apply the knowledge related to the health care professions:
  - a. scientific: human anatomy and physiology;
  - b. health care systems, insurance products, and legal parameters of the health care profession; and
  - c. social systems and clinical processes.
- Students will demonstrate effective communication evidenced through development of academic and scientific research, team collaboration, and oral presentations as well as an ability to communicate with diverse populations.
- Students will apply career-based skills and personal preferences through internships, clinical experiences, and/or capstone requirements along with external evaluation of these experiences.
- Students will show personal integration of Mercy core values and the ethics and standards of the profession through service learning and application of ethics and the standards of the profession.

## Requirements

To earn this degree, you must successfully complete at least 120 credits, including your General Education (<http://catalog.georgian.edu/undergraduate/academic-programs/bridge-general-education-program-requirements/>) requirements and the major requirements below.

## Major Sequence

Code	Title	Credits
<b>Required Courses (69 credits):</b>		
HRP111	Introduction to Health Science	3
HRP200	Medical Terminology	3
HRP/NU351	Health Policy	3
HRP404	Internship in Health Care	3
HRP444	Capstone in Health Science	1
BI121	Cellular Organiz., Energetics & Function	4
BI204	Genetics & Evolution	4
BI213	Human Anatomy & Physiology I	4
BI214	Human Anatomy & Physiology II	4
CH113	General Chemistry I	4
CH114	General Chemistry II	4
MA103	Introduction to Statistical Thinking	3
or BI203	Experimental Design & Statistics	
MA110	Precalculus	3
PH115	College Physics I	4
PH116	College Physics II	4
PL354	Bioethics	3
PS111	Introduction to Psychology	3
SO101	Principles of Sociology	3
SP105	Beginning Everyday Spanish I	3
or SP107	Spanish for Specialized Work Settings	
SW295	CommunicationSkillsSocialWork	3
or BU242	Managerial Communications	
Select one of the following:		3
ES470	Research Methods in Exercise & Sport	
PS232	Intro to Stats for the Beh Sciences	
SW310	Methods of Social Work Research	
<b>Elective Courses</b>		
Select 12 credits from the following:		12
BI111	Life: Human Biology	
BI219	Microbiology	
BI/NU/ES275	Pathophysiology	
BI419	Advanced Microbiology	
BI420	WI:Medical Microbiology	
BI437/CH311	Biochemistry I	
BI438/CH312	Biochemistry II	
CH223	Organic Chemistry I	
CH224	Organic Chemistry II	
ES220	Introduction to Nutrition	
GP316	Physiology of Development & Aging	
IH210	Integrative Self-Care Planning	
IH320	Integrative Healing Methods	
PS221	Child & Adolescent Development	
PS224	Adult Development	
PS281	Introduction to Addictions & Recovery	
PS282	Foundations of Addictions Treatment	
SW203	Introduction to Social Welfare	
SW240	Addictions	

**Pre-Dental Track:**

HS electives include CH223 and CH224

**Pre-Medical Track:**

HS electives include CH223, CH224, and BI437/CH311

**Pre-Physician Assistant Track:**

HS electives include ES220 and Microbiology (200-level and above)

**Total Credits** **81**

**Degree Map(s)**

Course	Title	Credits
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**First Year****Fall Semester**

GEN101	Pathway to the Bridge <sup>1</sup>	2
EN111 or EN221	Academic Writing and Research I <sup>1</sup> or Honors Argument: Rhetoric & Research	3
MA110	Precalculus <sup>1</sup>	3
BI213	Human Anatomy & Physiology I	4
HRP111	Introduction to Health Science	3
<b>Credits</b>		<b>15</b>

**Spring Semester**

GEN199	WI:Discovering Self in the Universe <sup>1</sup>	3
Literature <sup>1</sup>		3
Mod. Lang. or V&P Arts <sup>1</sup>		3
BI214	Human Anatomy & Physiology II	4
HRP200	Medical Terminology	3
<b>Credits</b>		<b>16</b>

**Second Year****Fall Semester**

PS111	Introduction to Psychology <sup>1</sup>	3
CH113	General Chemistry I <sup>1,2</sup>	4
MA103 or BI203	Introduction to Statistical Thinking <sup>2</sup> or Experimental Design & Statistics	3
BI121	Cellular Organiz., Energetics & Function	4
<b>Credits</b>		<b>14</b>

**Spring Semester**

PL245	Philosophical Inquiry (or Religious Studies) <sup>1</sup>	3
History <sup>1</sup>		3
CH114	General Chemistry II <sup>2</sup>	4
BI204	Genetics & Evolution	4
<b>Credits</b>		<b>14</b>

**Third Year****Fall Semester**

Mod. Lang. or V&P Arts <sup>1</sup>		3
HS Elective <sup>1</sup>		3-4
SO101	Principles of Sociology <sup>1,2</sup>	3
PH115	College Physics I <sup>2</sup>	4
PL245	Philosophical Inquiry (or Religious Studies) <sup>1</sup>	3
<b>Credits</b>		<b>16-17</b>

**Spring Semester**

WS311 or GEN400	Shaping Lives: Women & Gender <sup>1</sup> or WI:Visioning a Future	3
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HS Elective <sup>2</sup>		3-4
PH116	College Physics II <sup>2</sup>	4
SW295 or BU242	Communication Skills Social Work <sup>2</sup> or Managerial Communications	3
HRP351	Health Policy <sup>2</sup>	3
<b>Credits</b>		<b>16-17</b>

**Fourth Year****Fall Semester**

WS311 or GEN400	Shaping Lives: Women & Gender <sup>1</sup> or WI:Visioning a Future	3
HRP404	Internship in Health Care <sup>2</sup>	3
Select one of the following: <sup>2</sup>		3
PS232	Intro to Stats for the Beh Sciences	
SW310	Methods of Social Work Research	
ES470	Research Methods in Exercise & Sport	
Elective		3
Elective		3
<b>Credits</b>		<b>15</b>

**Spring Semester**

HRP444	Capstone in Health Science <sup>2</sup>	1
PL354	Bioethics <sup>1,2</sup>	3
HS Elective <sup>2</sup>		3-4
HS elective or Elective <sup>1,2</sup>		3
Elective		3
<b>Credits</b>		<b>13-14</b>
<b>Total Credits</b>		<b>119-122</b>

<sup>1</sup> General Education

<sup>2</sup> Major