

HEALTH SCIENCE, BS

Campus: NYC, Westchester

The Bachelor of Science in Health Science program offers students a broad overview of our healthcare system. This program offers an interdisciplinary approach to learning about health sciences. Students will be exposed to basic science courses as well as foundation courses that will prepare them for multiple careers in the health care field. Students will also be prepared to apply to post-graduate programs such as physician assistant or pre-licensure nursing.

This program is 120 credits which include 45-60 credits of health science coursework. This program offers the following three tracks of study:

- Generalist
- Pre-nursing
- Pre-physician assistant

Students in all three health science tracks will complete 30 credits of foundational health science core curriculum. In addition, students will complete 15-30 credits in one or both (determined by the student's track) of the health-related concentrations including *Global Health* and/or *Health Policy and Advocacy*.

The Bachelor of Science degree can prepare students for job opportunities in hospitals, private medical offices, governmental and community agencies, and global health organizations, and can lead to a variety of career paths including (but not limited to) medical or dental assistant, healthcare administrator, medical billing and coder, and health educator. This degree can also serve as pre-professional preparation for a graduate degree required for advanced study in nursing, physician assistant studies, as well as other practitioner programs.

DEGREE COMPLETION CRITERIA

HSC Students must maintain the following in order to complete their Baccalaureate Degree:

- Maintain a CQPA of 2.50 or higher throughout the program
- Pass all health science major core courses with a C or higher

Note: Completion of the health science program does not guarantee admission to a physician assistant or accelerated nursing program. Graduates of the BS in Health Science must apply to those programs, meet specific requirements, and compete with all other applicants.

To learn more about this program, visit www.pace.edu/healthscience (<https://www.pace.edu/program/health-science-bs/>).

Major Completion Summary

Requirement	Credits
University Core Requirements	44-55
Science Core (PPN/PPA Tracks)	16-32
Major Requirements	45-60
Total Credits	120

University Core Requirements (44-55 Credits)

See complete University Core (<http://catalog.pace.edu/undergraduate/university-core-curriculum/>) requirements.

Code	Title	Credits
University Core		
<i>Foundation Requirements</i>		
ENG 110	Composition ¹	3
ENG 120	Critical Writing	4
ENG 201	Writing in the Disciplines	3-4
COM 200	Public Speaking	3
Foreign Language Requirement		6
CIS 101	Introduction to Computing	3
MAT 134	Introduction to Probability and Statistics	3
Approved Lab Science ²		3-4
<i>Area of Knowledge</i> ³		
Western Heritage (AOK 2)		3

World Cultures & Traditions (AOK 3)		3
Humanistic & Creative Expressions (AOK 4)		
PSY 112	Introduction to Psychology (AOK 5)	4
<i>Additional Requirements</i>		
UNV 101	First-Year Seminar: Introduction to University Community	1
Civic Engagement Elective (AOK 1)		3

1. Students may be eligible to test out of ENG 110
2. Pre-nursing and pre-physician assistant track students will fulfill their lab science requirement with courses listed in Science Core below
3. General track students must complete two of each AOK

Science Core (16-32 credits)

Science core is based on student's chosen track

Code	Title	Credits
Pre-Nursing Track		
BIO 152	Anatomy and Physiology I	4
BIO 153	Anatomy and Physiology II	4
BIO 254	Basic Microbiology	4
CHE 113	Principles of Chemistry for the Health Professions	4
Pre-Physician Assistant Track		
BIO 101	General Biology I	4
BIO 102	General Biology II	4
BIO 251	Principles of Human Anatomy	4
BIO 264	Microbiology	4
BIO 334	General Physiology	4
CHE 111	General Chemistry I	4
CHE 112	General Chemistry II	4
CHE 213	Foundations of Organic Chemistry	4

Major Requirements (45-60 Credits)

Code	Title	Credits
Required Core		
HSC 100	Health Care Ethics	3
HSC 110	Introduction to Health Promotion and Disease Prevention	3
HSC 200	Health Care for Diverse Populations	3
HSC 205	Health Informatics and Telehealth	3
HSC 210	Health Care Policy	3
HSC 300	Genetics in Health Care	3
HSC 305	Introduction to Epidemiology and Evidence-Based Practice	3
HSC 400	Leadership and Management in Health Care	3
HSC 480	Capstone Project I	3
HSC 481	Capstone Project II	3
Program Concentrations		
Global Health		
15		
HSC 315	Global Health IT and Innovations	3
HSC 320	Global Primary Health Care: An Introduction	3
HSC 330	Global Environmental Health	3
HSC 405	Global Health: A Field Experience (Capstone)	3
HSC 410	Global Health Care Systems	3
Health Policy and Advocacy		
HSC 310	History of Health Care Systems	3

HSC 324	Government, Politics and Policy	3
HSC 325	Patient Education and Advocacy	3
HSC 335	Health Policy: The Current State of Affairs	3
HSC 420	Current Issues in Healthcare Delivery (Capstone)	3

Total Credits **75**

General Track

Course	Title	Credits
First Year		
Fall		
CIS 101	Introduction to Computing	3
ENG 110	Composition	3
HSC 110	Introduction to Health Promotion and Disease Prevention	3
UNV 101	First-Year Seminar: Introduction to University Community	1
Western Heritage (AOK 2)		3
Civic Engagement (AOK 1) elective		3
Credits		16
Spring		
COM 200	Public Speaking	3
ENG 120	Critical Writing	4
HSC 100	Health Care Ethics	3
PSY 112	Introduction to Psychology	4
Western Heritage (AOK 2)		3
Credits		17
Second Year		
Fall		
HSC 200	Health Care for Diverse Populations	3
HSC 210	Health Care Policy	3
Choose one approved Lab Science course ²		3-4
World Traditions & Cultures (AOK 3)		3
First Second Language Course. See Advisor for guidelines.		3
Credits		15-16
Spring		
HSC 205	Health Informatics and Telehealth	3
HSC 330	Global Environmental Health	3
HSC 324 or POL 111	Government, Politics and Policy ¹ or American Government and Political Institutions	3
MAT 134	Introduction to Probability and Statistics	3
Second Language Course, if applicable		3
Credits		15
Third Year		
Fall		
ENG 201	Writing in the Disciplines	3
HSC 300	Genetics in Health Care	3
HSC 320	Global Primary Health Care: An Introduction	3
HSC 335	Health Policy: The Current State of Affairs	3
World Traditions & Cultures (AOK 3)		3
Credits		15
Spring		
HSC 305	Introduction to Epidemiology and Evidence-Based Practice	3
HSC 310	History of Health Care Systems	3
HSC 315	Global Health IT and Innovations	3

Humanistic & Creative Expressions (AOK 4)		3
Analysis of Human, Social, & Natural Phenomena (AOK 5)		3
Credits		15
Fourth Year		
Fall		
HSC 325	Patient Education and Advocacy	3
HSC 400	Leadership and Management in Health Care	3
HSC 480	Capstone Project 1	3
Humanistic & Creative Expressions (AOK 4)		3
Open Elective Course		3
Credits		15
Spring		
HSC 405	Global Health: A Field Experience (Capstone)	3
HSC 410	Global Health Care Systems	3
HSC 420	Current Issues in Healthcare Delivery (Capstone)	3
HSC 481	Capstone Project II	3
Credits		12
Total Credits		120-121

1. Students may also substitute HSC 324 with one of the following: POL 111, POL 118, POL 220, POL 222, CRJ 121
2. Approved foundation sciences courses can be found <https://www.pace.edu/dyson/current-students/university-core-curriculum/foundation-courses>

Pre-Nursing Track

Course	Title	Credits
First Year		
Fall		
CIS 101	Introduction to Computing	3
ENG 110	Composition	3
HSC 110	Introduction to Health Promotion and Disease Prevention	3
UNV 101	First-Year Seminar: Introduction to University Community	1
Western Heritage (AOK 2)		3
Civic Engagement (AOK 1) elective		3
Credits		16
Spring		
COM 200	Public Speaking	3
ENG 120	Critical Writing	4
HSC 100	Health Care Ethics	3
PSY 112	Introduction to Psychology	4
World Traditions & Cultures (AOK 3)		3
Credits		17
Second Year		
Fall		
BIO 152	Anatomy and Physiology I	4
CHE 113	Principles of Chemistry for the Health Professions	4
HSC 200	Health Care for Diverse Populations	3
HSC 210	Health Care Policy	3
Humanistic & Creative Expressions (AOK 4)		3
Credits		17
Spring		
BIO 153	Anatomy and Physiology II	4
HSC 205	Health Informatics and Telehealth	3

HSC 330	Global Environmental Health	3
HSC 324 or POL 111	Government, Politics and Policy ¹ or American Government and Political Institutions	3
MAT 134	Introduction to Probability and Statistics	3
Credits		16
Third Year		
Fall		
ENG 201	Writing in the Disciplines	3
HSC 300	Genetics in Health Care	3
HSC 320	Global Primary Health Care: An Introduction	3
HSC 335	Health Policy: The Current State of Affairs	3
First Second Language Requirement. See Advisor for guidelines		3
Credits		15
Spring		
BIO 254	Basic Microbiology	4
HSC 305	Introduction to Epidemiology and Evidence-Based Practice	3
HSC 315	Global Health IT and Innovations	3
HSC 310	History of Health Care Systems	3
Second Language course, if applicable		3
Credits		16
Fourth Year		
Fall		
HSC 325	Patient Education and Advocacy	3
HSC 400	Leadership and Management in Health Care	3
HSC 480	Capstone Project 1	3
Open Elective Course		3
Credits		12
Spring		
HSC 405	Global Health: A Field Experience (Capstone)	3
HSC 410	Global Health Care Systems	3
HSC 420	Current Issues in Healthcare Delivery (Capstone)	3
HSC 481	Capstone Project II	3
Credits		12
Total Credits		121

1. Students may also substitute HSC 324 with one of the following: POL 111, POL 118, POL 220, POL 222, CRJ 121

Pre-Physician Assistant Track

Course	Title	Credits
First Year		
Fall		
CIS 101	Introduction to Computing	3
ENG 110	Composition	3
HSC 110	Introduction to Health Promotion and Disease Prevention	3
UNV 101	First-Year Seminar: Introduction to University Community	1
Western Heritage (AOK 2)		3
Civic Engagement (AOK 1) elective		3
Credits		16
Spring		
HSC 100	Health Care Ethics	3
COM 200	Public Speaking	3
ENG 120	Critical Writing	4

PSY 112	Introduction to Psychology	4
MAT 134	Introduction to Probability and Statistics	3
Credits		17
Second Year		
Fall		
BIO 101	General Biology I	4
CHE 111	General Chemistry I	4
HSC 200	Health Care for Diverse Populations	3
HSC 210	Health Care Policy	3
First Second Language course. See advisor for guidelines		3
Credits		17
Spring		
BIO 102	General Biology II	4
CHE 112	General Chemistry II	4
HSC 205	Health Informatics and Telehealth	3
HSC 324 or HSC 330	Government, Politics and Policy ¹ or Global Environmental Health	3
Second Language Course, if applicable		3
Credits		17
Third Year		
Fall		
BIO 251	Principles of Human Anatomy	4
CHE 213	Foundations of Organic Chemistry	4
ENG 201	Writing in the Disciplines	3
HSC 300 or BIO 231	Genetics in Health Care or Genetics	3-4
HSC 335 or HSC 320	Health Policy: The Current State of Affairs or Global Primary Health Care: An Introduction	3
Credits		17-18
Spring		
BIO 264	Microbiology	4
BIO 334	General Physiology	4
HSC 305	Introduction to Epidemiology and Evidence-Based Practice	3
HSC 310 or HSC 315	History of Health Care Systems or Global Health IT and Innovations	3
Credits		14
Fourth Year		
Fall		
HSC 325	Patient Education and Advocacy ²	3
HSC 400	Leadership and Management in Health Care	3
HSC 480	Capstone Project 1	3
World Traditions & Cultures (AOK 3)		3
Credits		12
Spring		
HSC 481	Capstone Project II	3
HSC 420 or HSC 405 and HSC 410	Current Issues in Healthcare Delivery (Capstone) ³ or Global Health: A Field Experience (Capstone) and Global Health Care Systems	3-6
Humanistic & Creative Expressions (AOK 4)		3
Open Elective Course		3
Credits		12-15
Total Credits		122-126

1. PSY 112 completes the Analysis of Human, Social, & Natural Phenomena (AOK 5) requirement.
2. PPA students complete one Health Science concentration choosing between the following: Policy & Advocacy (HSC 310, HSC 324, HSC 325, HSC 335, and HSC 420) or Global Health (HSC 315, HSC 320, HSC 330, HSC 405, HSC 410)
3. Students may also substitute HSC 324 with one of the following: POL 111, POL 118, POL 220, POL 222, CRJ 121
4. Only for students completing the Policy & Advocacy concentration. Students completing the Global Health concentration may take an open elective course.
5. Students completing the Policy & Advocacy concentration will take HSC 420, while students completing the Global Health concentration will complete HSC 405 and HSC 410.