

APPLIED HEALTH SCIENCES (B.S.)

The Bachelor of Science with a major in Applied Health Sciences provides an interdisciplinary program for students with an interest in health care. Students will emerge with strong foundations in medical terminology, anatomy and physiology, communication within a health care setting, interdisciplinary patient care, critical thinking and writing, ethics, and diversity across the health care continuum. The curriculum consists of a variety of pathways to prepare students for application to a health care professional program or as a stand-alone degree to work in various health science settings.

Admission requirements for this program are satisfied by the general requirements for undergraduate admission (<http://bulletins.wayne.edu/undergraduate/general-information/admission/>) to the University.

Candidates must complete 120 credits in course work including satisfaction of the general education requirements (<http://bulletins.wayne.edu/undergraduate/general-information/general-education/>), departmental major requirements, departmental minor requirements, program concentration or program elective requirements (for the general concentration) and supplemental free elective requirements, as necessary. All coursework must be completed in accordance with the academic regulations of the College of Pharmacy and Health Sciences (<http://bulletins.wayne.edu/undergraduate/college-pharmacy-health-sciences/academic-regulations/>) and the academic regulations of the University (<http://bulletins.wayne.edu/undergraduate/general-information/academic-regulations/>).

Major Requirements (Health Science Core)

All major courses must be completed with a minimum grade of C.

Code	Title	Credits
BIO 1510 & BIO 1511	Basic Life Mechanisms and Basic Life Mechanisms Laboratory	4
BIO 2870	Anatomy and Physiology	5
MLS 3330	Medical Terminology	1
AHS 2010	Introduction to Applied Health Sciences	3
AHS 2020	Applied Health Sciences Communication	3
AHS 2030	Advanced Statistics for Applied Health Sciences	4
AHS 3010	Advanced Applied Health Sciences Professions	3
AHS 3020	Diversity in Applied Health Sciences	3
AHS 3030	Human Physiology for Applied Health Sciences	3
AHS 4010	Interprofessional Education in Applied Health Sciences	3
AHS 4020	Pathophysiology for Applied Health Sciences	3
AHS 4090	Capstone in Applied Health Sciences	3
Total Credits		38

Minor Requirement

Any approved university minor (18-25 credits) is acceptable. It must include at least three courses that have not been used to fulfill requirements for any major or other minor.

Program Concentrations

Courses within this section of the undergraduate program are designed to prepare students for a high demand career in a health profession.

General Concentration

In the General Concentration, students must work with the program's Academic Advisor to develop a personalized plan of work that meets all degree requirements. The plan must be approved by the Program Director

Pre-Occupational Therapy

Code	Title	Credits
KIN 3580	Biomechanics	3
PSY 2400	Developmental Psychology	4
PSY 3310	Introduction to Psychopathology	4
Concentration courses below fulfill general education credits and are needed as prerequisites for the admission to the OT graduate/professional degree program.		
COM 1010	Oral Communication: Basic Speech	3
PS 1010	American Government	4
PSY 1010	Introductory Psychology	4
STA 1020	Elementary Statistics	3
Social Inquiry course (cannot be satisfied using PS 1010)		3-4
Total Credits		28-29

Pre-Pathologists' Assistant

Code	Title	Credits
BIO 2270 & BIO 2271	Principles of Microbiology and Principles of Microbiology Lab	5
Organic Chemistry with Lab		5
Concentration courses below fulfill general education credits and are needed as prerequisites for the admission to the Pathologists' Assistant graduate degree program.		
General Chemistry with Lab		5
ENG 1020	Introductory College Writing	3
MAT 1000 or above OR STA 1020		3-4
Total Credits		21-22

Pre-Pharmacy

Code	Title	Credits
BIO 2270 & BIO 2271	Principles of Microbiology and Principles of Microbiology Lab	5
CHM 1140 & CHM 1150	General Chemistry II and General Chemistry II Laboratory	5
CHM 1240 & CHM 1250	Organic Chemistry I and Organic Chemistry I Laboratory	5
CHM 2220 & CHM 2230	Organic Chemistry II and Organic Chemistry II Laboratory	5
CHM 5600	Survey of Biochemistry	3
Concentration courses below fulfill general education credits and are needed as prerequisites for the admission to the Pharmacy graduate/professional degree program.		
CHM 1100 & CHM 1130	General Chemistry I and General Chemistry I Laboratory	5
ENG 1020	Introductory College Writing	3
COM 1010	Oral Communication: Basic Speech	3
MAT 2010	Calculus I	4
STA 1020	Elementary Statistics	3

PHY 2130 & PHY 2131	Physics for the Life Sciences I and Physics for the Life Sciences Laboratory	5
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Total Credits **46**

Pre-Physical Therapy

Code	Title	Credits
Chemistry (CHM) course		3
PHY 2140 & PHY 2141	Physics for the Life Sciences II and Physics for the Life Sciences Laboratory	5

Concentration courses below fulfill general education credits and are needed as prerequisites for the admission to the PT graduate/professional degree program.

ENG 1020	Introductory College Writing	3
PHY 2130 & PHY 2131	Physics for the Life Sciences I and Physics for the Life Sciences Laboratory	5
STA 1020	Elementary Statistics	3
PSY 1010	Introductory Psychology	4
Chemistry (CHM) course with lab		4-5

Total Credits **27-28**

Pre-Physician Assistant

Code	Title	Credits
BIO 2270 & BIO 2271	Principles of Microbiology and Principles of Microbiology Lab	5
CHM 1030	Survey of Organic/Biochemistry	4
PSY 2400	Developmental Psychology	4

Concentration courses below fulfill general education credits and are needed as prerequisites for the admission to the Physician Assistant graduate degree program.

CHM 1020	Survey of General Chemistry	4
ENG 1020	Introductory College Writing	3
ENG 3010	Intermediate Writing	3
STA 1020	Elementary Statistics	3
NFS 2030	Nutrition and Health	3

Total Credits **29**

Free Electives

Free electives are variable, as necessary to complete the minimum 120 credits required for the program.

Other Degree Requirements

- Students must complete a minimum of 15 credits in program concentration coursework.
- Students must complete a minimum of 30 credits at Wayne State University.
- At least 15 credits in the Health Sciences Core must be taken at Wayne State University.
- 21 credits must be taken at the 3000 level or higher.