

HEALTH SCIENCE - ASSOCIATE OF SCIENCE DEGREE (AS)

Explore More About This Program: <https://cwi.edu/program/health-science>

Degree Requirements

Course	Course Title	Min Credits
General Education Requirements		
<i>Complete the following course to fulfill the Connecting with Ideas requirement:</i>		
CWI 101	Connecting With Ideas	3
<i>Complete the following courses to fulfill the GEM 1 requirement:</i>		
ENGL 101	Writing and Rhetoric I	3
ENGL 102	Writing and Rhetoric II	3
<i>Complete the following course to fulfill the GEM 2 requirement:</i>		
<u>GEM 2 - Oral Communication course</u>		2
<i>Complete one of the following courses to fulfill the GEM 3 requirement:</i>		
Select one of the following:		3-5
MATH 143	College Algebra	
MATH 147	College Algebra and Trigonometry	
MATH 153	Statistical Reasoning	
<i>Complete the following courses to fulfill the GEM 4 requirement:</i>		
Select one of the following options:		4
Option 1:		
BIOL 111	Biology I	
BIOL 111L	Biology I Lab	
Option 2:		
BIOL 227	Human Anatomy and Physiology I	
BIOL 227L	Human Anatomy and Physiology I Lab	
Select one of the following options:		4
Option 1:		
CHEM 101	Introduction to Chemistry	
CHEM 101L	Introduction to Chemistry Lab	
Option 2:		
CHEM 111	General Chemistry I	
CHEM 111L	General Chemistry I Lab	
<i>Complete the following courses to fulfill the GEM 5 requirement:</i>		
<u>GEM 5 - Humanistic & Artistic Ways of Knowing course</u>		3
<u>GEM 5 - Humanistic & Artistic Ways of Knowing course</u> ¹		3
<i>Complete the following courses to fulfill the GEM 6 requirement:</i>		
PSYC 101	Introduction to Psychology	3
EXHS 155	Health and Wellness ²	3
or SOC 101	Introduction to Sociology	
<i>Complete one of the following courses to fulfill the Global Perspectives requirement:</i>		
HLTH 280	Global Health ²	3
or PHLT 110	Lifestyle Diseases and Their Global Burden	
Major Requirements		
Select one of the following options:		4
Option 1:		
BIOL 112	Biology II	

BIOL 112L	Biology II Lab	
Option 2:		
BIOL 228	Human Anatomy and Physiology II	
BIOL 228L	Human Anatomy and Physiology II Lab	
HLTH 101	Medical Terminology	3
HLTH 202	Introduction to Health Systems	3
HLTH 290	Exercise and Health Science Capstone	2
PHLT 120	Introduction to Public Health and Health Science	3
PHLT 230	Introduction to Environmental Health	3
or PHLT 240	Introduction to Health Promotion and Education	
Select 3-5 credits from the Health Science Electives course list below to bring the total credits earned to 60		3-5

Minimum Credit Hours Required**60**

¹ Course must come from a different discipline.

² EXHS 155 or HLTH 280 will fulfill the Ethical Reasoning requirement for an associate degree from CWI.

Health Science Electives

Course	Course Title	Min Credits
BIOL 280	Pathophysiology	4
BUSA 120	Business Software Applications	3
BUSA 201	Business Communication and Professionalism	3
CHEM 102	Essentials of Organic and Biochemistry ¹	4
CHEM 102L	Essentials of Organic and Biochemistry Lab ¹	1
CHEM 112	General Chemistry II ¹	3
CHEM 112L	General Chemistry II Lab ¹	2
CHEM 298	Organic Chemistry I	3
CHEM 298L	Organic Chemistry I Lab	1
CHEM 299	Organic Chemistry II	3
CHEM 299L	Organic Chemistry II Lab	2
ENGL 202	Technical Communication	3
EXHS 155	Health and Wellness	3
HLTH 220	Fundamentals of Nutrition	3
MATH 153	Statistical Reasoning	3
MMBS 106	Making Sense of the Micro-biotic-me	3
PHLT 230	Introduction to Environmental Health	3
or PHLT 240	Introduction to Health Promotion and Education	
PHYS 111	General Physics I	3
PHYS 111L	General Physics I Lab	1
PHYS 112	General Physics II	3
PHYS 112L	General Physics II Lab	1
SOC 101	Introduction to Sociology	3

¹ Complete either CHEM 102 and CHEM 102L **OR** CHEM 112 and CHEM 112L.

Plan of Study Guide

The course sequence listed below is strongly recommended in order to complete your program requirements. Please register for each semester as shown using the Student Planning tool in myCWI. Consult your Student Success Advisor for any questions regarding this course sequence plan.

First Year

Fall		Credit Hours
CWI 101	Connecting With Ideas	3
ENGL 101	Writing and Rhetoric I (GEM 1)	3

EXHS 155 or SOC 101	Health and Wellness (GEM 6) ¹ or Introduction to Sociology	3
Select one of the following (GEM 3):		3-5
MATH 143	College Algebra	
MATH 147	College Algebra and Trigonometry	
MATH 153	Statistical Reasoning	
PHLT 120	Introduction to Public Health and Health Science	3
Total Semester Credit Hours		15

Spring

Select one of the following options (GEM 4):		4
Option 1:		
BIOL 111	Biology I	
BIOL 111L	Biology I Lab	
Option 2:		
BIOL 227	Human Anatomy and Physiology I	
BIOL 227L	Human Anatomy and Physiology I Lab	
ENGL 102	Writing and Rhetoric II (GEM 1)	3
HLTH 101	Medical Terminology	3
HLTH 280 or PHLT 110	Global Health (Global Perspectives) ¹ or Lifestyle Diseases and Their Global Burden	3
GEM 2 - Oral Communication course		2
Total Semester Credit Hours		15

Second Year**Fall**

Select one of the following options:		4
Option 1:		
BIOL 112	Biology II	
BIOL 112L	Biology II Lab	
Option 2:		
BIOL 228	Human Anatomy and Physiology II	
BIOL 228L	Human Anatomy and Physiology II Lab	
Select one of the following options (GEM 4):		4
Option 1:		
CHEM 101	Introduction to Chemistry	
CHEM 101L	Introduction to Chemistry Lab	
Option 2:		
CHEM 111	General Chemistry I	
CHEM 111L	General Chemistry I Lab	
PHLT 230 or PHLT 240	Introduction to Environmental Health ² or Introduction to Health Promotion and Education	3
GEM 5 - Humanistic & Artistic Ways of Knowing course		3
Total Semester Credit Hours		14

Spring

HLTH 202	Introduction to Health Systems	3
HLTH 290	Exercise and Health Science Capstone	2
PSYC 101	Introduction to Psychology (GEM 6)	3
GEM 5 - Humanistic & Artistic Ways of Knowing course ³		3
Health Science Elective	Select an elective from the list below	3-5
Total Semester Credit Hours		16
Minimum Credit Hours Required		60

- ¹ EXHS 155 or HLTH 280 will fulfill the Ethical Reasoning requirement for an associate degree from CWI.
- ² PHLT 230 Introduction to Environmental Health is taught in the Spring semester and PHLT 240 Introduction to Health Promotion and Education is taught in the Fall semester. Students who wish to complete PHLT 230 in order to fulfill their degree requirements should complete a Health Science Elective during their second Fall semester and complete PHLT 230 during their second Spring semester.
- ³ Course must come from a different discipline.

Health Science Electives

Course	Course Title	Min Credits
BIOL 280	Pathophysiology	4
BUSA 120	Business Software Applications	3
BUSA 201	Business Communication and Professionalism	3
CHEM 102	Essentials of Organic and Biochemistry ¹	4
CHEM 102L	Essentials of Organic and Biochemistry Lab ¹	1
CHEM 112	General Chemistry II ¹	3
CHEM 112L	General Chemistry II Lab ¹	2
CHEM 298	Organic Chemistry I	3
CHEM 298L	Organic Chemistry I Lab	1
CHEM 299	Organic Chemistry II	3
CHEM 299L	Organic Chemistry II Lab	2
ENGL 202	Technical Communication	3
EXHS 155	Health and Wellness	3
HLTH 220	Fundamentals of Nutrition	3
MATH 153	Statistical Reasoning	3
MMBS 106	Making Sense of the Micro-biotic-me	3
PHLT 230 or PHLT 240	Introduction to Environmental Health Introduction to Health Promotion and Education	3
PHYS 111	General Physics I	3
PHYS 111L	General Physics I Lab	1
PHYS 112	General Physics II	3
PHYS 112L	General Physics II Lab	1
SOC 101	Introduction to Sociology	3

- ¹ Complete either CHEM 102 and CHEM 102L **OR** CHEM 112 and CHEM 112L.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Apply the scientific method and scientific reasoning to critically evaluate issues in human health.
- Describe the relevance of specific scientific principles to the human experience within health and medicine.
- Evaluate multiple behavior change theories and develop options for implementation for personal application, health education, and/or promotion.
- Understand the historical development, key components, and current trends of the U.S. health care system.
- Understand the principles of epidemiology, biostatistics, and surveillance and be able to analyze how behavior can impact global health.
- Utilize the language of medicine and possess the ability to effectively communicate within the industry.