

HEALTH SCIENCE AND PUBLIC HEALTH - ASSOCIATE OF SCIENCE DEGREE (AS)*

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

Degree Quick Facts

- **Instructional School:** Health
- **Department:** Health Science
- **Program Code:** HLTH-SCI.AS
- **Program Type:** Academic Transfer
- **Available Fully Online:** Yes
- **Eligible for Federal Financial Aid:** Yes

NOTE: Courses required for this program *may* have an additional fee; more information can be found on the [Special Course Fees](#) web page.

Degree Requirements

Course	Course Title	Min Credits
General Education Requirements		
CWI 101	Connecting With Ideas	3
HLTH 280 or PHLT 110	Global Health (Global Perspectives) ¹ Lifestyle Diseases and Their Global Burden	3
ENGL 101	Writing and Rhetoric I (GEM 1)	3
ENGL 102	Writing and Rhetoric II (GEM 1)	3
<u>GEM 2 - Oral Communication course</u>		3
Select one of the following (GEM 3):		3-5
MATH 143	Precalculus I: Algebra	
MATH 147	Precalculus	
MATH 153	Statistical Reasoning ²	
HLTH 220	Fundamentals of Nutrition (GEM 4)	3
Select one of the following options (GEM 4):		4-5
Option 1:		
BIOL 111	Biology I	
BIOL 111L	Biology I Lab	
Option 2:		
BIOL 226	Human Anatomy and Physiology I Plus	
BIOL 227P	Human Anatomy and Physiology I	
BIOL 227L	Human Anatomy and Physiology I Lab	
Option 3:		
BIOL 227	Human Anatomy and Physiology I	
BIOL 227L	Human Anatomy and Physiology I Lab	
<u>GEM 5 - Humanistic & Artistic Ways of Knowing course</u>		3
<u>GEM 5 - Humanistic & Artistic Ways of Knowing course</u> ³		3
<u>GEM 6 - Social & Behavioral Ways of Knowing course</u>		3
<u>GEM 6 - Social & Behavioral Ways of Knowing course</u> ³		3
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	
EXHS 155 or HLTH 101	Health and Wellness ^{1,4} Medical Terminology	3
HLTH 202	Introduction to Health Systems	3

PHLT 120	Introduction to Public Health and Health Science	3
PHLT 230	Introduction to Environmental Health	3
PHLT 240	Introduction to Health Promotion and Education	3
Electives	Select 1-4 credits to bring the total credits earned to 60 ⁵	1-4
Minimum Credit Hours Required		60

- ¹ HLTH 280 or EXHS 155 will fulfill the Ethical Reasoning requirement for an associate degree from CWI.
- ² MATH 153 Statistical Reasoning is the recommended GEM 3 course for students pursuing a public health-focused track or career.
- ³ Course must come from a different discipline.
- ⁴ HLTH 101 Medical Terminology is recommended for students pursuing a medical-focused track or career.
- ⁵ Students should work with their advisor to best align their elective choices with their desired transfer program.

**All requirements for this degree or certificate may be completed fully online.*

Degree Plan

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. Plans may be modified to fit the needs of part-time students by adding additional semesters. Consult your advisor for any questions regarding this course sequence plan.

16-Week Session Plan

First Year

Fall		Credit Hours
CWI 101	Connecting With Ideas	3
ENGL 101	Writing and Rhetoric I (GEM 1)	3
Select one of the following (GEM 3):		3-5
MATH 143	Precalculus I: Algebra	
MATH 147	Precalculus	
MATH 153	Statistical Reasoning ¹	
PHLT 120	Introduction to Public Health and Health Science	3
GEM 6 - Social & Behavioral Ways of Knowing course		3
Total Semester Credit Hours		15

Spring

Select one of the following options (GEM 4):		4-5
Option 1:		
BIOL 111	Biology I	
BIOL 111L	Biology I Lab	
Option 2:		
BIOL 226	Human Anatomy and Physiology I Plus	
BIOL 227P	Human Anatomy and Physiology I	
BIOL 227L	Human Anatomy and Physiology I Lab	
Option 3:		
BIOL 227	Human Anatomy and Physiology I	
BIOL 227L	Human Anatomy and Physiology I Lab	
ENGL 102	Writing and Rhetoric II (GEM 1)	3
EXHS 155	Health and Wellness ^{2,3}	3
or HLTH 101	or Medical Terminology	
HLTH 220	Fundamentals of Nutrition (GEM 4)	3
Total Semester Credit Hours		14

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	
HLTH 280 or PHLT 110	Global Health (Global Perspectives) ² or Lifestyle Diseases and Their Global Burden	3
PHLT 240	Introduction to Health Promotion and Education	3
GEM 5 - Humanistic & Artistic Ways of Knowing course ²		3
GEM 6 - Social & Behavioral Ways of Knowing course ⁴		3
Total Semester Credit Hours		16
Spring		
HLTH 202	Introduction to Health Systems	3
PHLT 230	Introduction to Environmental Health	3
GEM 2 - Oral Communication course		3
GEM 5 - Humanistic & Artistic Ways of Knowing course ⁴		3
Electives	Select 1-4 credits to bring the total credits earned to 60 ⁵	1-4
Total Semester Credit Hours		15
Minimum Credit Hours Required		60

¹ MATH 153 is the recommended GEM 3 course for students pursuing a public health-focused track or career.

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

³ HLTH 101 is recommended for students pursuing a medical-focused track or career.

⁴ Courses must come from a different discipline.

⁵ Students should work with their advisor to best align their elective choices with their desired transfer program.

8-Week session Plan

First Year

Fall		Credit Hours
First 8-Week Course Session		
CWI 101	Connecting With Ideas	3
ENGL 101	Writing and Rhetoric I (GEM 1)	3
Second 8-Week Course Session		
Select one of the following (GEM 3):		3-5
MATH 143	Precalculus I: Algebra	
MATH 147	Precalculus	
MATH 153	Statistical Reasoning ¹	
PHLT 120	Introduction to Public Health and Health Science	3
GEM 6 - Social & Behavioral Ways of Knowing course		3
Total Semester Credit Hours		15
Spring		
First 8-Week Course Session		
Select one of the following options (GEM 4):		4-5
Option 1:		
BIOL 111	Biology I	
BIOL 111L	Biology I Lab	
Option 2:		
BIOL 226	Human Anatomy and Physiology I Plus	
BIOL 227P	Human Anatomy and Physiology I	
BIOL 227L	Human Anatomy and Physiology I Lab	
Option 3:		
BIOL 227	Human Anatomy and Physiology I	
BIOL 227L	Human Anatomy and Physiology I Lab	

ENGL 102	Writing and Rhetoric II (GEM 1)	3
Second 8-Week Course Session		
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	
EXHS 155 or HLTH 101	Health and Wellness ^{2,3} or Medical Terminology	3
Total Semester Credit Hours		15
Second Year		
Fall		
First 8-Week Course Session		
HLTH 220	Fundamentals of Nutrition	3
HLTH 280 or PHLT 110	Global Health (Global Perspectives) ² or Lifestyle Diseases and Their Global Burden	3
Second 8-Week Course Session		
PHLT 240	Introduction to Health Promotion and Education	3
GEM 5 - Humanistic & Artistic Ways of Knowing course		3
GEM 6 - Social & Behavioral Ways of Knowing course ⁴		3
Total Semester Credit Hours		15
Spring		
First 8-Week Course Session		
HLTH 202	Introduction to Health Systems	3
PHLT 230	Introduction to Environmental Health	3
GEM 2 - Oral Communication course		3
Second 8-Week Course Session		
GEM 5 - Humanistic & Artistic Ways of Knowing course ⁴		3
Electives	Select 1-4 credits to bring the total credits earned to 60 ⁵	1-4
Total Semester Credit Hours		15
Minimum Credit Hours Required		60

¹ MATH 153 is the recommended GEM 3 course for students pursuing a public health-focused track or career.

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⁵ Students should work with their advisor to best align their elective choices with their desired transfer program.

Program Learning Outcomes

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

- Apply the scientific method and apply scientific reasoning to critically evaluate issues in human health.
- 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.
- Analyze and describe the historical, cultural, and philosophical development of the use of medicine, drugs, and treatment of disease in the United States.
- Understand the principles of epidemiology, biostatistics, and surveillance and be able to analyze how behavior can impact global health.
- Describe how the socioeconomic and demographics of a population impact the health of the environment and how the health of the environment impacts population health.

- Demonstrate and articulate behavior consistent with that of a health professional, including 1) advocacy for a healthy, active lifestyle, 2) adherence to professional ethics, 3) service to others, 4) shared responsibility, and successful collaboration with peers and 5) pursuit of learning beyond CWI.