

GEOSCIENCES - ASSOCIATE OF SCIENCE DEGREE (AS)

Explore More About This Program: <https://cwi.edu/program/geosciences>

Degree Quick Facts

- **Instructional School:** Math and Science
- **Department:** Physical Sciences
- **Program Code:** GEOLAS
- **Program Type:** Academic Transfer
- **Available Fully Online:** No
- **Eligible for Federal Financial Aid:** Yes

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>		
GEM 2 - Oral Communication course		2
<i>Complete the following course to fulfill the GEM 3 requirement:</i>		
MATH 147	College Algebra and Trigonometry	5
or MATH 170	Calculus I	
<i>Complete the following courses to fulfill the GEM 4 requirement:</i>		
GEOL 101	Physical Geology	3
GEOL 101L	Physical Geology Lab	1
Select one of the following options:		
Option 1:		
CHEM 101	Introduction to Chemistry ¹	
CHEM 101L	Introduction to Chemistry Lab ¹	
Option 2:		
CHEM 111	General Chemistry I ¹	
CHEM 111L	General Chemistry I Lab ¹	
<i>Complete the following courses to fulfill the GEM 5 requirement:</i>		
GEM 5 - Humanistic & Artistic Ways of Knowing course		3
GEM 5 - Humanistic & Artistic Ways of Knowing course ²		3
<i>Complete the following courses to fulfill the GEM 6 requirement:</i>		
SCIE 102	Ethics in Science ³	3
GEM 6 - Social & Behavioral Ways of Knowing course ²		3
<i>Complete the following course to fulfill the Global Perspectives requirement:</i>		
GEOS 105	Earth's Natural Resources	3
Major Requirements		
CHEM 111	General Chemistry I ⁴	3
CHEM 111L	General Chemistry I Lab ⁴	1
GEOS 275	Field Geology	4
MATH 170	Calculus I ⁵	5

Select one of the following options:

4-5

Option 1:

PHYS 111 General Physics I

PHYS 111L General Physics I Lab

Option 2:

PHYS 211 Physics for Scientists and Engineers I

PHYS 211L Physics for Scientists and Engineers I Lab

Select 3-15 credits from the Major Electives course list below to bring the total credits earned to 60

3-15

Minimum Credit Hours Required

60

¹ Students who have prior experience with chemistry are strongly encouraged to take the Chemistry Placement exam at the CWI Assessment Center. Passing the Chemistry Placement exam will allow students to register directly into CHEM 111 General Chemistry I and will enable them to complete additional credits from the Major Electives list.

² Course must come from a different discipline.

³ This course fulfills the Ethical Reasoning requirement for an associate degree from CWI.

⁴ If students completed CHEM 111 General Chemistry I to fulfill their GEM 4 requirement, they must take an additional four (4) credits of coursework from the Major Electives course list below.

⁵ If students completed MATH 170 Calculus I to fulfill their GEM 3 requirement, they must take an additional five (5) credits of coursework from the Major Electives course list below

Geosciences: Major Electives

Course	Course Title	Min Credits
CHEM 112	General Chemistry II	3
CHEM 112L	General Chemistry II Lab	2
GEOL 102	Historical Geology	3
GEOL 102L	Historical Geology Lab	1
GIS 126	Fundamentals of GIS	3
GEOS 270	Global Climate Change	3
MATH 175	Calculus II	4
PHYS 112	General Physics II	3
PHYS 112L	General Physics II Lab	1