

GEOSCIENCES - ASSOCIATE OF SCIENCE DEGREE (AS)

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

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

First Year

Fall	Credit Hours
Select one of the following options (GEM 4):	4
Option 1:	
CHEM 101 Introduction to Chemistry ¹	
CHEM 101L Introduction to Chemistry Lab ¹	
Option 2:	
CHEM 111 General Chemistry I (GEM 4) ¹	
CHEM 111L General Chemistry I Lab (GEM 4) ¹	
CWI 101 Connecting With Ideas	3
ENGL 101 Writing and Rhetoric I (GEM 1)	3
MATH 147 College Algebra and Trigonometry (GEM 3) or MATH 170 or Calculus I	5
Total Semester Credit Hours	15
Spring	
CHEM 111 General Chemistry I ²	3
CHEM 111L General Chemistry I Lab ²	1
ENGL 102 Writing and Rhetoric II (GEM 1)	3
GEOL 101 Physical Geology (GEM 4)	3
GEOL 101L Physical Geology Lab (GEM 4)	1
MATH 170 Calculus I ³	5
Total Semester Credit Hours	16

Second Year

Fall	Credit Hours
GEOS 275 Field Geology	4
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	
SCIE 102 Ethics in Science (GEM 6) ⁴	3
GEM 5 - Humanistic & Artistic Ways of Knowing course	3
Total Semester Credit Hours	14
Spring	
GEOS 105 Earth's Natural Resources	3
GEM 2 - Oral Communication course	2

GEM 5 - Humanistic & Artistic Ways of Knowing course ⁵	3
GEM 6 - Social & Behavioral Ways of Knowing course ⁵	3
Major Electives Select the needed amount of credits from the list below to bring the total earned to 60	3-15
Total Semester Credit Hours	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 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.
- ³ 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.
- ⁴ This course fulfills the Ethical Reasoning requirement for an associate degree from CWI.
- ⁵ Course must come from a different discipline.

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

Additional Advising Notes

Students who plan to transfer should select elective courses based on the needs of their transfer institutions. See 2+2 agreements with the appropriate institution for more information.

- Please be sure to check the courses required for your final degree at the four-year institution you plan to attend after finishing at CWI. It is **absolutely imperative** that you know which classes are required to obtain a bachelor's degree at that institution.
- It is possible to the student prior learning assessment (PLA) credit for ENGL 101 if the student successfully passes ENGL 102. Visit the [CWI Prior Learning Assessment](#) webpage for more information.
- To ensure efficient degree planning, students who intend to transfer to a four-year institution should review the lower-division degree requirements of the institution they plan to attend.