COMPUTER SCIENCE - ASSOCIATE OF SCIENCE DEGREE (AS)

Explore More About This Program: https://cwi.edu/program/computer-science

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**
CWI 101	Connecting With Ideas	3
ENGL 101	Writing and Rhetoric I (GEM 1)	3
MATH 170	Calculus I (GEM 3)	5
GEM 4 - Scientific Ways of Knowing course [1]		3-4
	Total Semester Credit Hours	**15**
Spring		
COMM 101 or COMM 112	Fundamentals of Oral Communication (GEM 2) or Argumentation and Debate	3
ENGL 102	Writing and Rhetoric II (GEM 1)	3
GEM 5 - Humanistic & Artistic Ways of Knowing course		3
GEM 6 - Social & Behavioral Ways of Knowing course		3
Major Electives	Select 3-4 credits from the list below [2]	3-4
	Total Semester Credit Hours	**15**
Second Year		
Fall		
Select one of the following options (GEM 4):		4-5
Option 1:		
CHEM 111	General Chemistry I	
CHEM 111L	General Chemistry I Lab	
Option 2:		
PHYS 211	Physics for Scientists and Engineers I	
PHYS 211L	Physics for Scientists and Engineers I Lab	
CPSC 121	Computer Science I [3]	4
Global Perspectives course		3
Major Electives	Select 3-4 credits from the list below to bring the total credits earned to 60 [2]	3-4
	Total Semester Credit Hours	**14**
Spring		
Select one of the following options:		5
Option 1:		
CHEM 112	General Chemistry II	
CHEM 112L	General Chemistry II Lab	
Option 2:		
PHYS 212	Physics for Scientists and Engineers II	
PHYS 212L	Physics for Scientists and Engineers II Lab	
CPSC 221	Computer Science II	3
ENGR 290	Engineering Capstone	2

GEM 5 - Humanistic & Artistic Ways of Knowing course [4]	3
GEM 6 - Social & Behavioral Ways of Knowing course [4]	3
Total Semester Credit Hours	**16**
Minimum Credit Hours Required	**60**

1 Course must come from a different discipline than other GEM 4 course choice (CHEM or PHYS).

2 Computer Science programs require very specific prerequisites to prepare students for the classes they will take in their junior year. In order to have a student complete their GEM certification and those prerequisites, it may be necessary that more than 60 credit hours be completed during their first two years.

3 Includes an integrated lab component.

4 Course must come from a different discipline.

Computer Science: Major Electives

Course	Course Title	Min Credits
Select 5-7 credits from the list below to bring the total credits earned to 60:		
ENGL 202	Technical Communication	3
MATH 175	Calculus II	4
MATH 176	Discrete Mathematics	4

Additional Advising Notes:

- Students who plan to transfer should select elective courses based on the needs of their transfer institution. 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 get prior learning assessment (PLA) credit for ENGL 101 if the student successfully passes ENGL 102 and pays for the credits for ENGL 101. Visit the CWI Prior Learning Assessment webpage for more information.