

# Major: Computer Science

Eligibility to graduate is based on the completion of all degree requirements and a minimum of 120 credits. Some majors require more than 120 credits to fulfill their degree requirements.

<b><u>Degree Summary</u></b>	
<b>General Education Core Requirements</b>	<b>60-61</b>
<b>Requirements for all Computer Science Majors</b>	<b>52-53</b>
<b>Minimum Required for Graduation:</b>	<b>120</b>

## B.S. General Education Core Requirements (60)

### Biblical Education Requirements (12-18)

*Prorated based on transfer hours accepted at point of matriculation:  
30 hrs=15 credits, 60 hrs = 12 credits  
All students are required to take BIB113, BIB123, BIB105, THE205*

BIB113	Survey Bible Literature I	3
BIB123	Survey Bible Literature II	3
BIB105	Bible Study Methods	3
THE205	Introduction to Theology	3
CMI	Christian Ministry Elective	3
ITC	Intercultural Studies Elective	3

### Communications (9)

WRI123	College Writing I	3
WRI132	College Writing II	3
COM102	Fundamentals of Speech or approved course w/ oral presentations	3

### Humanities (9)

ENG/HUM	English Lit or HUM prefix Elective	3
PHL213	The Worldview Seminar Humanities Elective	3

### Mathematics and Sciences (9)

MTH	Math elective	met in major
SCI	Science w/ lab elective	3
MTH/SCI	Math or Science elective	met in major

### Social Sciences (9)

HIS114/124	American History I or II	3
	Non U.S. History Elective	3
	Non History Social Science Elec	3

### General Education (6)

IDS101	Freshman Seminar	1
	General Education Electives*	5

*\*(Any Gen Ed Discipline & HPR121/131/250*

*HPR limited to 3 total hours, No Varsity Sports.*

*Prorated Bible must be made up with Gen Ed Electives)*

## B.A. General Education Core Requirements (61)

Same requirements as Bachelor of Science

### Exception: Humanities (18)

ENG/HUM	English Literature or Approved Lit based HUM prefix Elective	3
PHL213	The Worldview Seminar Foreign Language	3 12**

Math and Science: Only 6 credits required

**\*\*BA Degree requires the equivalent of 12 credits of study in foreign language. This requirement may be fulfilled by:**

1. Completing the second year of a college sequence if completed 2 yrs in high school with proof of proficiency. Remaining 6 cr may be met through humanities electives.
2. CLEP and transcript 6 cr or 12 cr. Remaining credits in humanities.
3. COM363, COM373 Language & Culture Acquisition I, II and 6 additional credit hours of foreign language.
4. Two foreign languages may be selected with the minimum of 6 credits in each language.
5. Completion of the Corban Language Institute Pathway to English advanced fluency courses.
6. 12 credits of study in a Foreign Language.

## 2021-2022 Program Overview

### REQUIREMENTS FOR COMPUTER SCIENCE

#### MAJORS (52-53)

#### Computer Science Core Requirements (29-30)

CSC113	Intro to Computer Science	3
CSC124	Object Oriented Programming	3
CSC233	Data Structures & Algorithms	3
CSC243	Architecture and Operating Systems	3
CSC253	Advanced Data Structures and Algorithms	3
CSC318	Web Programming	3
CSC333	Database Systems	3
CSC350	Data Mining	3
CSC405	Artificial Intelligence	3

#### Select one course from the following:

CSC413	Senior Capstone Project	3
MTH471	Game Theory & Cryptology I	3
MTH472	Game Theory & Cryptology II	3

#### Math Requirements (23)

MTH223	Statistics	3
MTH234	Calculus I	4
MTH244	Calculus II	4
MTH323	Linear Algebra	3
MTH343	Combinatorics and Graph Theory	3
MTH363	Topics in Discrete Mathematics	3
MTH364	Number Theory	3

