# **Articulation Agreement by Major**

Effective during the 2022-2023 Academic Year

To: California State University, Fullerton 2022-2023 General Catalog, Semester

From: San Diego Mesa College 2022-2023 General Catalog, Semester

# **Computer Science, B.S.**

#### **COMPUTER SCIENCE**

The degree program for the Bachelor of Science in Computer Science assumes that students have already obtained a working knowledge of personal computing fundamentals and applications, including word processing, spreadsheets, database systems, e-mail systems and presentation graphics.

The curriculum begins with a three-course sequence covering concepts of programming and data structures. If students have knowledge of these topics, but do not have the courses to transfer, nor AP scores to submit, they may take the Computer Science Placement Examination to waive one or more of these courses. The test may be taken only once, and scores are valid for two consecutive semesters.

#### General Education

All students at Cal State Fullerton are expected to complete prescribed units of General Education that are made up of courses outside of their chosen disciplines. Students seeking a degree in Engineering have been provided exceptions from some of the General Education requirements. For this reason, it is important that students take the approved G.E. courses for Engineering majors that are found in their Titan Degree Audit (TDA). Additionally, they should confirm the G.E. courses that are required within their specific programs with their respective advisers.

### **LOWER DIVISION CORE**

CPSC 120 - Introduction to Programming (3.00)	← No Course Articulated			
CPSC 121 - Object-Oriented Programming (3.00)	← CISC 192 - C/C++ Programming (4.00)  Or CISC 190 - Java Programming (4.00)			
CPSC 131 - Data Structures (3.00)	← No Course Articulated			
<b>CPSC 240</b> - Computer Organization & Assembly Language (3.00)	← No Course Articulated			
CPSC 253 - Cybersecurity Foundations and Principles (3.00)	← No Course Articulated			
And Select 1 Course(s) from the following				
Select i Course	e(s) from the following			
<b>CPSC 223C</b> - C Programming (3.00)	← No Course Articulated			
C. 50 2250 C. 1 og. a. 11 ing (5.00)	CICC 100 Java Programming (4.00)			
CPSC 223J - Java Programming (3.00)	CISC 190 - Java Programming (4.00)			
3 3, ,	← No Course Articulated			

## **MATHEMATICS REQUIREMENTS**

Select 18 Semester Unit(s) from the following				
<b>MATH 150A</b> - Calculus I (4.00)	← MATH 150 - Calculus with Analytic Geometry I (5.00)			
<b>MATH 150B</b> - Calculus II (4.00)	← MATH 151 - Calculus with Analytic Geometry II (4.00)			
MATH 170A - Mathematical Structures I (3.00)	← No Course Articulated			
MATH 170B - Mathematical Structure II (3.00)	← No Course Articulated			
MATH 338 - Stat Appl to Natural Sci (4.00)	← No Course Articulated			

Select 12 Semester Unit(s) from the following					
BIOL 101 - Elements of Biology (3.00)	←	No Course Articulated			
BIOL 101L - Elements of Biology Laboratory (1.00)	$\leftarrow$	No Course Articulated			
BIOL 151 - Cellular & Molecular Biology (4.00)	$\leftarrow$	No Course Articulated			
BIOL 152 - Evolution & Organismal Biology (4.00)	$\leftarrow$	BIOL 210B - Introduction to the Biological Sciences II (4.00)			
CHEM 120A - General Chemistry (5.00)	←	CHEM 200 - General Chemistry I - Lecture (3.00)			
		And			
		CHEM 200L - General Chemistry I - Laboratory (2.00)			
		Concrat Circumstry 1 Laboratory (2.00)			
CHEM 120B - General Chemistry (5.00)	$\leftarrow$	CHEM 201 - General Chemistry II - Lecture (3.00)			
		And			
		CHEM 201L - General Chemistry II - Laboratory (2.00)			
CHEM 123 - Chemistry for Engineers (3.00)	<b>←</b>	No Course Articulated			
CHEM 125 - Chemistry for Engineers (3.00)	<u>`</u>	No Course Articulated  No Course Articulated			
CILIVI 123 - Gen Chemistry & Lecture (5.00)		No Course Articulated			
GEOL 101 - Introduction to Geology (3.00)	<b>←</b>	GEOL 100 - Physical Geology (3.00)			
GEOL 101L - Introduction to Geology Laboratory (1.00)	<b>←</b>	GEOL 101 - Physical Geology Laboratory (1.00)			
<b>GEOL 201</b> - Earth History (3.00)	$\leftarrow$	GEOL 111 - The Earth Through Time (4.00)			
GEOL 201L - Earth History Supplemental Lab (1.00)	$\leftarrow$	No Course Articulated			
7 11 . , ,					
<b>MATH 250A</b> - Calculus III (4.00)	←	MATH 252 - Calculus with Analytic Geometry III (4.00)			
MATH 250B - Intro to Linear Algebra and Diff. Equations (4.00)	$\leftarrow$	MATH 254 - Introduction to Linear Algebra (3.00)			
		And			
		MATH 255 - Differential Equations (3.00)			
		WATTE 255 - Differential Equations (5.00)			
PHYS 225 - Fundamental Phys; Mechanics (3.00)	<del>-</del>	No Course Articulated			
PHYS 225L - Fundamental Physics Lab (1.00)	<del></del>	No Course Articulated			
PHYS 226 - Fund Phys.Elect + Magnetism (3.00)	<u> </u>	No Course Articulated			
PHYS 226L - Fundamental Physics Lab (1.00)	<u></u>	No Course Articulated			
<b>PHYS 227</b> - Fund Phys: Waves, Optics, & Mod Phys (1.00 - 3.00)	<del>-</del>	No Course Articulated			
PHYS 227L - Fundamental Physics Lab (1.00)	<u> </u>	No Course Articulated			
COMPUTER	COMPUTER SCIENCE ELECTIVES				
CPSC 254 - Software Development with Open Source Systems (3.00)	$\leftarrow$	No Course Articulated			
(0.00)					
REQUIRED FOR GRADUATION					
REGORDED FOR GRADOR HOR					

# ARTICULATION DETAILS

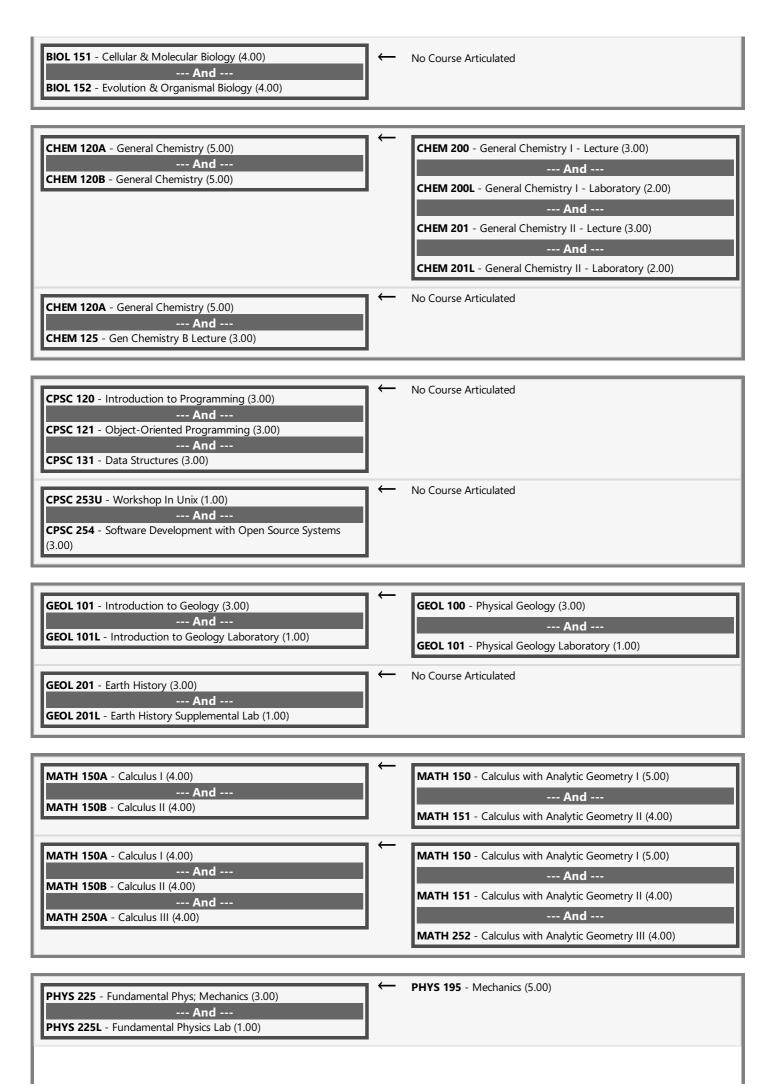
BIOL 101 - Elements of Biology (3.00)

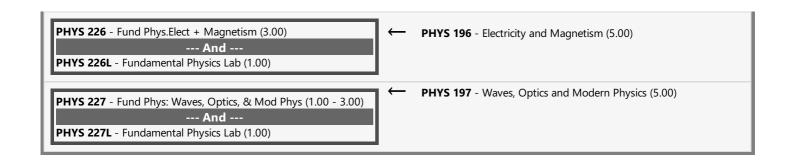
--- And --
BIOL 101L - Elements of Biology Laboratory (1.00)

POSC 100 - American Government (3.00)

**BIOL 107** - General Biology - Lecture and Laboratory (4.00)

← POLI 102 - Introduction to American Government (3.00)





# **END OF AGREEMENT**