Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

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

From: Los Angeles Southwest 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

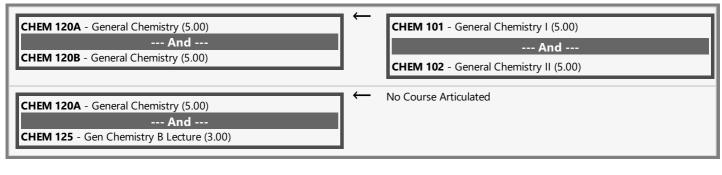
Select 15 Semester	Unit(s) from the following			
CPSC 120 - Introduction to Programming (3.00)	← CS 101 - Introduction to Computer Science (3.00)			
CPSC 121 - Object-Oriented Programming (3.00)	← No Course Articulated			
CPSC 131 - Data Structures (3.00)	← CS 136 - Introduction to Data Structures (3.00)			
CPSC 240 - 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 1 Course	e(s) from the following			
	e(s) from the following ← No Course Articulated			
CPSC 223C - C Programming (3.00) CPSC 223J - Java Programming (3.00)				
CPSC 223C - C Programming (3.00)	← No Course Articulated			

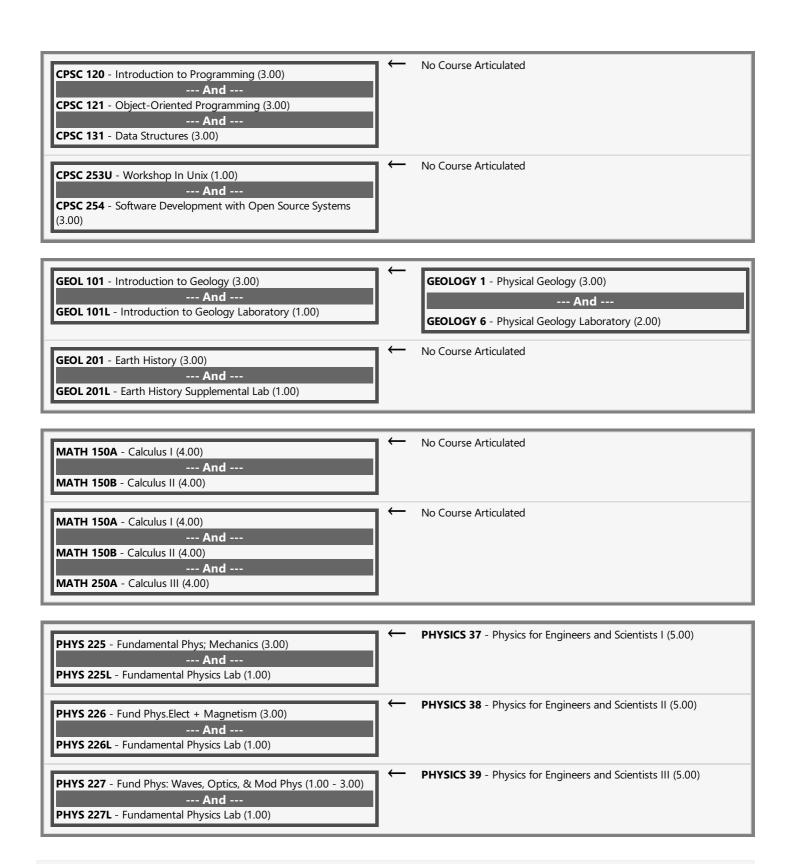
MATHEMATICS REQUIREMENTS

Select 18 Semester Unit(s) from the following				
MATH 150A - Calculus I (4.00)	← No Course Articulated			
MATH 150B - Calculus II (4.00)	← No Course Articulated			
MATH 170A - Mathematical Structures I (3.00)	← CS 131 - Discrete Structures for Computer Science (3.00)			
MATH 170B - Mathematical Structure II (3.00)	← No Course Articulated			
MATH 338 - Stat Appl to Natural Sci (4.00)	← No Course Articulated			

MATH AND SCIENCE (WITH CORRESPONDING LAB) ELECTIVES- SEE ADDITIONAL INFORMATION UNDER ARTICULATION DETAILS

BIOL 101 - Elements of Biology (3.00)	,	
	←	No Course Articulated
BIOL 101L - Elements of Biology Laboratory (1.00)	←	No Course Articulated
BIOL 151 - Cellular & Molecular Biology (4.00)	←	No Course Articulated
BIOL 152 - Evolution & Organismal Biology (4.00)	\leftarrow	No Course Articulated
CHEM 120A - General Chemistry (5.00)	←	CHEM 101 - General Chemistry I (5.00)
CHEM 120B - General Chemistry (5.00)	←	CHEM 102 - General Chemistry II (5.00)
CHEM 123 - Chemistry for Engineers (3.00)	←	No Course Articulated
CHEM 125 - Gen Chemistry B Lecture (3.00)	←	No Course Articulated
GEOL 101 - Introduction to Geology (3.00)	\leftarrow	GEOLOGY 1 - Physical Geology (3.00)
GEOL 101L - Introduction to Geology Laboratory (1.00)	\leftarrow	GEOLOGY 6 - Physical Geology Laboratory (2.00)
GEOL 201 - Earth History (3.00)	\leftarrow	No Course Articulated
GEOL 201L - Earth History Supplemental Lab (1.00)	<u>←</u>	No Course Articulated
MATH 250A - Calculus III (4.00)		No Course Articulated
· '	`_	No Course Articulated No Course Articulated
MATH 250B - Intro to Linear Algebra and Diff. Equations (4.00)		No Course Articulated
PHYS 225 - Fundamental Phys; Mechanics (3.00)	←	No Course Articulated
PHYS 225L - Fundamental Physics Lab (1.00)	\leftarrow	No Course Articulated
PHYS 226 - Fund Phys.Elect + Magnetism (3.00)	\leftarrow	No Course Articulated
PHYS 226L - Fundamental Physics Lab (1.00)	\leftarrow	No Course Articulated
PHYS 227 - Fund Phys: Waves, Optics, & Mod Phys (1.00 - 3.00)	\leftarrow	No Course Articulated
PHYS 227L - Fundamental Physics Lab (1.00)	\leftarrow	No Course Articulated
COMPUTER	CIEN	CE ELECTIVES
CPSC 254 - Software Development with Open Source Systems (3.00)	←	No Course Articulated
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REQUIRED F	OR G	RADUATION
POSC 100 - American Government (3.00)	←	POL SCI 1 - The Government of the United States (3.00)
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ARTICUL	ATION	N DETAILS
	←	No Course Articulated
BIOL 101 - Elements of Biology (3.00) And		
BIOL 101L - Elements of Biology Laboratory (1.00)		
3, ,, ,	,	
BIOL 151 - Cellular & Molecular Biology (4.00)	\leftarrow	No Course Articulated
And		
BIOL 152 - Evolution & Organismal Biology (4.00)		
CHEM 120A - General Chemistry (5.00)	\leftarrow	CHEM 101 - General Chemistry I (5.00)
And		And





END OF AGREEMENT