Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

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

From: East Los Angeles 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

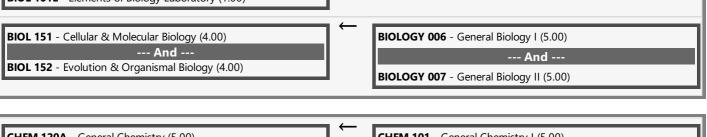
Select 15 Semester	r Unit(s) from the following			
CPSC 120 - Introduction to Programming (3.00)	← No Course Articulated			
CPSC 121 - Object-Oriented Programming (3.00)	← MATH 173 - Object-Oriented Programming and Design (4.00)			
CPSC 131 - Data Structures (3.00)	← No Course Articulated			
CPSC 240 - 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				
CDCC 222C C Dua managia a (2.00)	← No Course Articulated			
CPSC 223C - C Programming (3.00)				
CPSC 223J - Java Programming (3.00)	← No Course Articulated			
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MATHEMATICS REQUIREMENTS

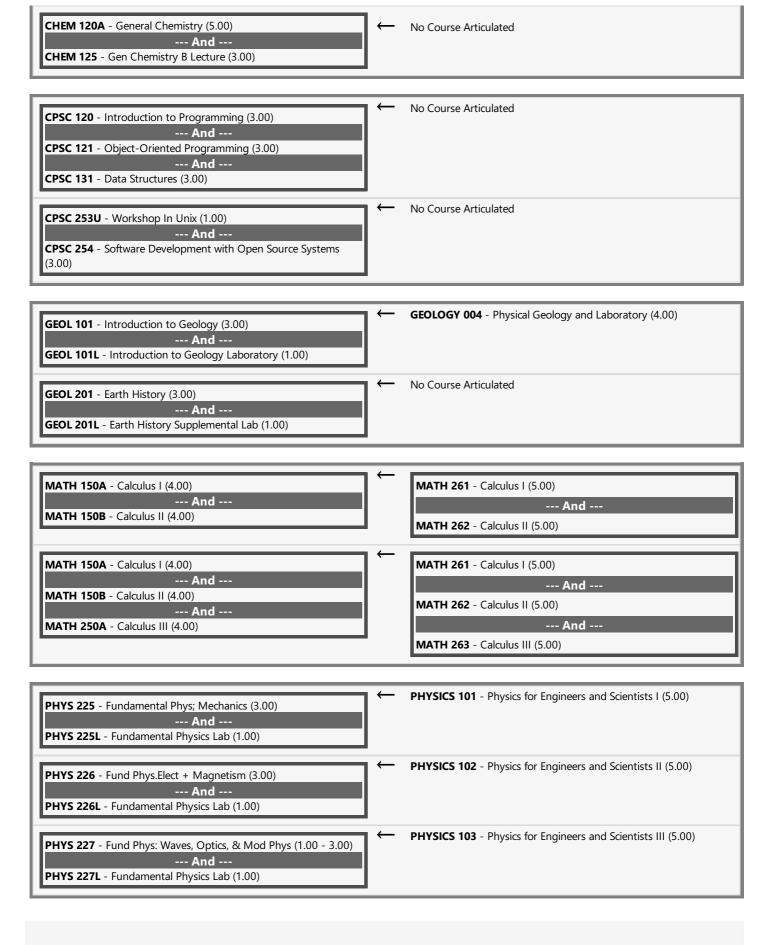
Select 18 Semester Unit(s) from the following				
MATH 150A - Calculus I (4.00)	← MATH 261 - Calculus I (5.00)			
MATH 150B - Calculus II (4.00)	← MATH 262 - Calculus II (5.00)			
MATH 170A - Mathematical Structures I (3.00)	← No Course Articulated			
MATH 170B - Mathematical Structure II (3.00)	← No 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)	\leftarrow	No Course Articulated				
BIOL 151 - Cellular & Molecular Biology (4.00)	\leftarrow	BIOLOGY 006 - General Biology I (5.00)				
BIOL 152 - Evolution & Organismal Biology (4.00)	\leftarrow	No Course Articulated				
CHEM 120A - General Chemistry (5.00)	\leftarrow	CHEM 101 - General Chemistry I (5.00)				
CHEM 120B - General Chemistry (5.00)	\leftarrow	CHEM 102 - General Chemistry II (5.00)				
CHEM 123 - Chemistry for Engineers (3.00)	\leftarrow	No Course Articulated				
CHEM 125 - Gen Chemistry B Lecture (3.00)	←	No Course Articulated				
GEOL 101 - Introduction to Geology (3.00)	←	GEOLOGY 001 - Physical Geology (3.00)				
GEOL 101L - Introduction to Geology Laboratory (1.00)	\leftarrow	GEOLOGY 006 - Physical Geology Laboratory (1.00)				
GEOL 201 - Earth History (3.00)	\leftarrow	No Course Articulated				
GEOL 201L - Earth History Supplemental Lab (1.00)	←	No Course Articulated				
MATH 250A - Calculus III (4.00)	←	MATH 263 - Calculus III (5.00)				
MATH 250B - Intro to Linear Algebra and Diff. Equations (4.00)	\leftarrow	MATH 270 - Linear Algebra (3.00)				
		And				
		MATH 275 - Ordinary Differential Equations (3.00)				
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)	←	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 SCIENCE ELECTIVES						
CPSC 254 - Software Development with Open Source Systems (3.00)	\leftarrow	No Course Articulated				
REQUIRED	FOR G	RADUATION				
POSC 100 - American Government (3.00)	←	POL SCI 001 - The Government of the United States (3.00)				
ARTICUL	ARTICULATION DETAILS					
BIOL 101 - Elements of Biology (3.00) And BIOL 101L - Elements of Biology Laboratory (1.00)] ←	BIOLOGY 003 - Introduction to Biology (4.00)				







END OF AGREEMENT