Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

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

From: Skyline 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)	\leftarrow	No Course Articulated
CPSC 121 - Object-Oriented Programming (3.00)	←	COMP 250 - Intro to Object-Oriented Programming: C++ (3.00) Or COMP 284 - Introduction to Object-Oriented Programming: Java (4.00)
CPSC 131 - Data Structures (3.00)	←	COMP 252 - Data Structures: C++ (3.00) Or COMP 286 - Data Structures: Java (3.00)
CPSC 240 - Computer Organization & Assembly Language (3.00)	←	COMP 256 - Computer Architecture and Assembly Language (3.00)
CPSC 253 - Cybersecurity Foundations and Principles (3.00)	←	No Course Articulated
	- And	
Select 1 Course	e(s) fro	m the following
CPSC 223C - C Programming (3.00)	\leftarrow	No Course Articulated
CPSC 223J - Java Programming (3.00)	\leftarrow	No Course Articulated
CPSC 223N - Visual C# Programming (3.00)	\leftarrow	No Course Articulated
CPSC 223P - Python Programming (3.00)	\leftarrow	No Course Articulated

MATHEMATICS REQUIREMENTS

Select 18 Semester Unit(s) from the following				
MATH 150A - Calculus I (4.00)	← MATH 251 - Calculus with Analytic Geometry I (5.00)			
MATH 150B - Calculus II (4.00)	← MATH 252 - Calculus with Analytic Geometry II (5.00)			

MATH 170A - Mathematical Structures I (3.00)	\leftarrow	COMP 262 - Discrete Mathematics for Computer Science (3.00)
MATH 170B - Mathematical Structure II (3.00)	\leftarrow	No Course Articulated
MATH 338 - Stat Appl to Natural Sci (4.00)	\leftarrow	No Course Articulated

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

BIOL 101 - Elements of Biology (3.00)	\leftarrow	No Course Articulated
BIOL 101L - Elements of Biology (3.00)	<u></u>	No Course Articulated
BIOL 151 - Cellular & Molecular Biology (4.00)	<u>`</u>	BIOL 230 - Introduction to Cell Biology: Core II (5.00)
BIOL 152 - Evolution & Organismal Biology (4.00)	<u>`</u>	BIOL 215 - Organismal Biology: Core I (5.00)
BIOL 132 - Evolution & Organisma Biology (4.00)		BIOL 213 - Organisma Biology. Core i (3.00)
CHEM 120A - General Chemistry (5.00)	←	CHEM 210 - General Chemistry I (5.00)
CHEM 120B - General Chemistry (5.00)	\leftarrow	CHEM 220 - 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)	——	GEOL 100 - Survey of Geology (3.00)
GEOL 101L - Introduction to Geology Laboratory (1.00)	←	No Course Articulated
GEOL 201 - Earth History (3.00)	←	GEOL 220 - Historical Geology (4.00)
GEOL 201L - Earth History Supplemental Lab (1.00)	←	No Course Articulated
MATH 250A - Calculus III (4.00)	←	MATH 253 - Calculus with Analytic Geometry III (5.00)
MATH 250B - Intro to Linear Algebra and Diff. Equations (4.00)		No Course Articulated
PHYS 225 - Fundamental Phys; Mechanics (3.00)	\leftarrow	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)	←	No Course Articulated

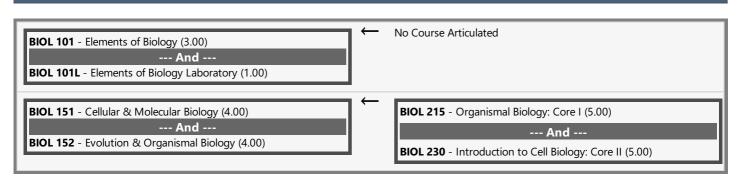
COMPUTER SCIENCE ELECTIVES

CPSC 254 - Software Development with Open Source Systems (3.00) ← No Course Articulated

REQUIRED FOR GRADUATION

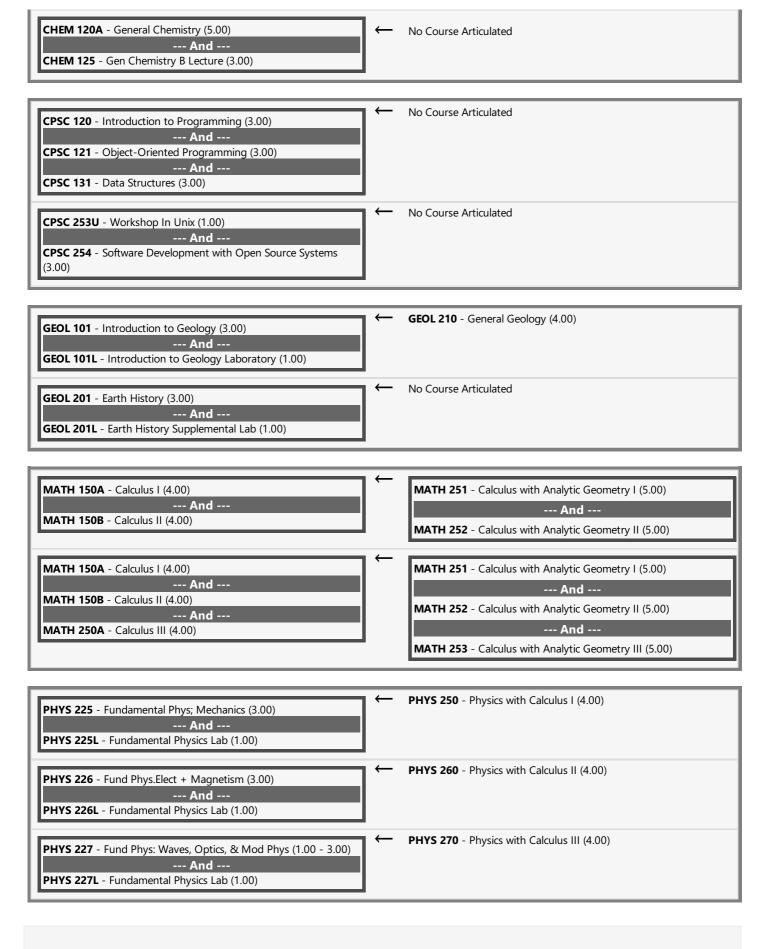
POSC 100 - American Government (3.00) ← PLSC 200 - National, State and Local Government (3.00)

ARTICULATION DETAILS



CHEM 120A - General Chemistry (5.00)
--- And --CHEM 120B - General Chemistry (5.00)

CHEM 210 - General Chemistry I (5.00)
--- And --CHEM 220 - General Chemistry II (5.00)



END OF AGREEMENT