Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

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

From: Shasta 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

Sciect 13 Scinester	Office) from the following
CPSC 120 - Introduction to Programming (3.00)	\leftarrow	CIS 2 - Introduction to Computer Science (4.00)
CPSC 121 - Object-Oriented Programming (3.00)	←	CIS 61 - C++ Language Programming (3.00) Or CIS 62 - Java Programming (3.00)
CPSC 131 - Data Structures (3.00)	←	CIS 65 - Programming Concepts and Methodology Using C++ II (3.00)
CPSC 240 - Computer Organization & Assembly Language (3.00)	\leftarrow	CIS 66 - Computer Architecture and Organization (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 3A - Calculus (4.00)			
MATH 150B - Calculus II (4.00)	← MATH 3B - Calculus (5.00)			
MATH 170A - Mathematical Structures I (3.00)	← CIS 67 - Discrete Structures (3.00)			
MATH 170B - Mathematical Structure II (3.00)	← No Course Articulated			
MATH 338 - Stat Appl to Natural Sci (4.00)	← No Course Articulated			

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)	←	BIOL 1 - Principles of Biology (4.00)
BIOL 152 - Evolution & Organismal Biology (4.00)	<u> </u>	No Course Articulated
CHEM 120A - General Chemistry (5.00)	←	CHEM 1A - General Chemistry (5.00)
CHEM 120B - General Chemistry (5.00)	\leftarrow	CHEM 1B - General Chemistry (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)	←	No Course Articulated
GEOL 101L - Introduction to Geology Laboratory (1.00)	\leftarrow	No Course Articulated
GEOL 201 - Earth History (3.00)	\leftarrow	ESCI 2 - Earth: The History of Our Planet (4.00)
GEOL 201L - Earth History Supplemental Lab (1.00)	←	No Course Articulated
MATH 250A - Calculus III (4.00)	←	MATH 4A - Calculus (4.00)
MATH 250B - Intro to Linear Algebra and Diff. Equations (4.00)	\leftarrow	MATH 4B - Differential Equations (4.00)
		And
		MATH 6 - Linear Algebra (3.00)
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

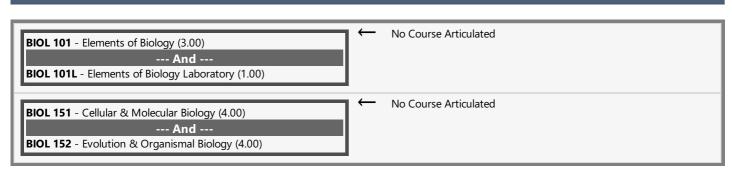
COMPUTER SCIENCE ELECTIVES

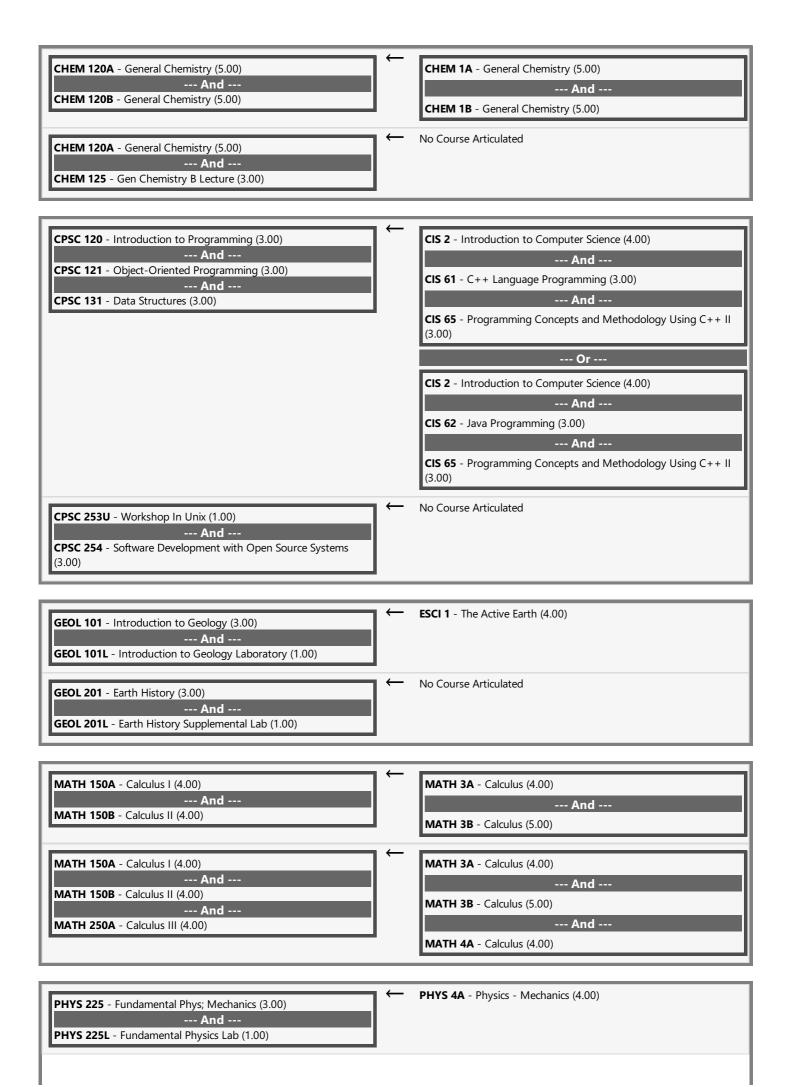
CPSC 254 - Software Development with Open Source Systems (3.00) ← No Course Articulated

REQUIRED FOR GRADUATION

POSC 100 - American Government (3.00) ← POLS 2 - Introduction to American Government (3.00)

ARTICULATION DETAILS





PHYS 226 - Fund Phys.Elect + Magnetism (3.00) And PHYS 226L - Fundamental Physics Lab (1.00)	←	PHYS 4B - Physics - Electricity and Magnetism (4.00)
PHYS 227 - Fund Phys: Waves, Optics, & Mod Phys (1.00 - 3.00) And PHYS 227L - Fundamental Physics Lab (1.00)	←	PHYS 4C - Physics (Heat, Waves, Optics, and Modern Physics) (4.00)

END OF AGREEMENT