Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

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

From: Chaffey 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	CISPROG 1 - Introduction to Computer Programming (3.00)
CPSC 121 - Object-Oriented Programming (3.00)	←	COMPSCI 21 - Fundamentals of "C++" Programming (3.00) Or COMPSCI 1 - Programming Concepts and Methodology I (3.00)
CPSC 131 - Data Structures (3.00)	\leftarrow	COMPSCI 2 - Programming Concepts and Methodology II (3.00)
CPSC 240 - Computer Organization & Assembly Language (3.00)	\leftarrow	COMPSCI 3 - 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	Course(s) Denied
	_	No Course Articulated
CPSC 223N - Visual C# Programming (3.00)	`	No Course Articulated

MATHEMATICS REQUIREMENTS

Select 18 Semester Unit(s) from the following				
MATH 150A - Calculus I (4.00)	← MATH 65A - Calculus I (4.00)			
MATH 150B - Calculus II (4.00)	← MATH 65B - Calculus II (4.00)			
MATH 170A - Mathematical Structures I (3.00)	← COMPSCI 4 - Discrete Structures (3.00)			
MATH 170B - Mathematical Structure II (3.00)	← No Course Articulated			

Select 12 Semeste	nit(s) from the following	
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 40 - Introduction to Cell and Molecu	ular Biology (4.00)
BIOL 152 - Evolution & Organismal Biology (4.00)	BIOL 62 - Biology of Organisms (5.00)	
CHEM 120A - General Chemistry (5.00)	CHEM 24A - General Chemistry I (5.00)	
CHEM 120B - General Chemistry (5.00)	CHEM 24B - 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)	No Course Articulated	
GEOL 101L - Introduction to Geology Laboratory (1.00)	No Course Articulated	
GEOL 201 - Earth History (3.00)	GEOL 2 - Historical Geology (4.00)	
GEOL 201L - Earth History Supplemental Lab (1.00)	No Course Articulated	
MATH 250A - Calculus III (4.00)	MATH 75 - Calculus III (5.00)	
MATH 250B - Intro to Linear Algebra and Diff. Equations (4.00)	MATH 81 - Linear Algebra (4.00)	
	And	
	MATH 85 - Differential Equations (4.00)	
PHYS 225 - Fundamental Phys; Mechanics (3.00)	No Course Articulated	
PHYS 225L - Fundamental Physics Lab (1.00)	No Course Articulated	
PHYS 226 - Fund Phys.Elect + Magnetism (3.00)	No Course Articulated	
PHYS 226L - Fundamental Physics Lab (1.00)	No Course Articulated	
PHYS 227 - Fund Phys: Waves, Optics, & Mod Phys (1.00 - 3.00)	No Course Articulated	
PHYS 227L - Fundamental Physics Lab (1.00)	No Course Articulated	

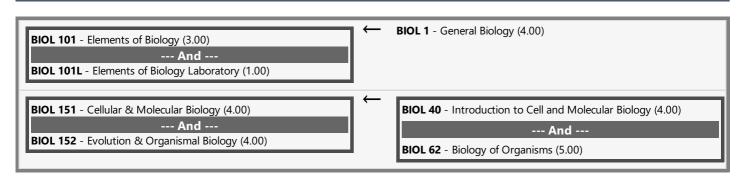
COMPUTER SCIENCE ELECTIVES

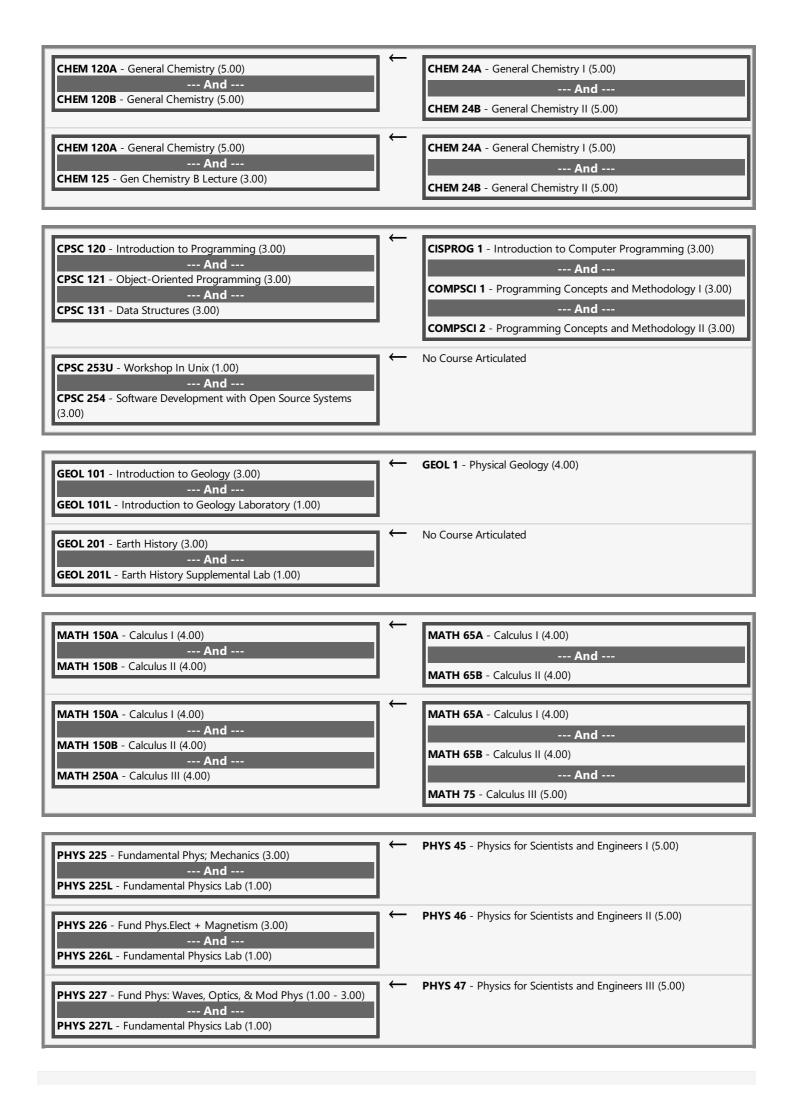
CPSC 254 - Software Development with Open Source Systems (3.00) ← No Course Articulated

REQUIRED FOR GRADUATION

POSC 100 - American Government (3.00) ← PS 1 - American Politics (3.00)

ARTICULATION DETAILS





END OF AGREEMENT