Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

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

From: Napa Valley 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

) from the following
CPSC 120 - Introduction to Programming (3.00)	\leftarrow	No Course Articulated
CPSC 121 - Object-Oriented Programming (3.00)	\leftarrow	COMS 215 - Programming Concepts and Methodology I (3.00)
CPSC 131 - Data Structures (3.00)	\leftarrow	COMS 216 - Programming Concepts and Methodology II (3.00)
CPSC 240 - Computer Organization & Assembly Language (3.00)	\leftarrow	No Course Articulated
CPSC 253 - Cybersecurity Foundations and Principles (3.00)	←	No Course Articulated
	- And	
Select 1 Course	(s) fro	m the following
	(s) fra	m the following No Course Articulated
CPSC 223C - C Programming (3.00)	(s) fro ← ←	
Select 1 Course CPSC 223C - C Programming (3.00) CPSC 223J - Java Programming (3.00) CPSC 223N - Visual C# Programming (3.00)	(s) fro ← ←	No Course Articulated

MATHEMATICS REQUIREMENTS

Select 18 Semester Unit(s) from the following			
MATH 150A - Calculus I (4.00)	← MATH 120 - Calculus I (5.00)		
MATH 150B - Calculus II (4.00)	← MATH 121 - 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 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)	← BIOL 120 - General Biology (4.00)
BIOL 152 - Evolution & Organismal Biology (4.00)	← No Course Articulated
CHEM 120A - General Chemistry (5.00)	CHEM 120 - General Chemistry 1 (5.00)
CHEM 120B - General Chemistry (5.00)	CHEM 121 - General Chemistry 2 (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)	← GEOL 110 - Physical Geology (3.00)
GEOL 101L - Introduction to Geology Laboratory (1.00)	← GEOL 111 - Physical Geology Laboratory (1.00)
GEOL 201 - Earth History (3.00)	← No Course Articulated
GEOL 201L - Earth History Supplemental Lab (1.00)	← No Course Articulated
MATH 250A - Calculus III (4.00)	← No Course Articulated
MATH 250B - Intro to Linear Algebra and Diff. Equations (4.00)	MATH 220 - Linear Algebra (3.00)
	And
	MATH 222 - Differential Equations (3.00)
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

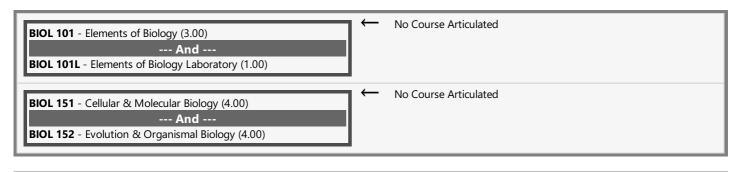
COMPUTER SCIENCE ELECTIVES

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

REQUIRED FOR GRADUATION

POSC 100 - American Government (3.00) ← POLI 120 - Introduction to the Principles of American Government (3.00)

ARTICULATION DETAILS



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

CHEM 120 - General Chemistry 1 (5.00)
--- And --CHEM 121 - General Chemistry 2 (5.00)

