Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

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

From: College of the Redwoods 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	Unit(s)	from the following
CPSC 120 - Introduction to Programming (3.00)	\leftarrow	CIS 12 - Programming Fundamentals (4.00)
CPSC 121 - Object-Oriented Programming (3.00)	←	Course(s) Denied
CPSC 131 - Data Structures (3.00)	←	No Course Articulated
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) from	the following
CPSC 223C - C Programming (3.00)	\leftarrow	No Course Articulated
CPSC 223J - Java Programming (3.00)	\leftarrow	CIS 18 - Object Oriented Programming - Java (4.00)
	\leftarrow	No Course Articulated
CPSC 223N - Visual C# Programming (3.00)		

MATHEMATICS REQUIREMENTS

Select 18 Semester Unit(s) from the following			
MATH 150A - Calculus I (4.00)	← MATH 50A - Differential Calculus (4.00)		
MATH 150B - Calculus II (4.00)	← MATH 50B - Integral Calculus (4.00)		
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)	\leftarrow	No Course Articulated
BIOL 101L - Elements of Biology Laboratory (1.00)	\leftarrow	No Course Articulated
BIOL 151 - Cellular & Molecular Biology (4.00)	\leftarrow	BIOL 3 - Fundamental Cell Biology (4.00)
BIOL 152 - Evolution & Organismal Biology (4.00)	←	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)	←	GEOL 1 - Physical Geology with Lab (4.00)
GEOL 101L - Introduction to Geology Laboratory (1.00)	\leftarrow	GEOL 1 - Physical Geology with Lab (4.00)
GEOL 201 - Earth History (3.00)	\leftarrow	GEOL 2 - Historical Geology with Lab (4.00)
GEOL 201L - Earth History Supplemental Lab (1.00)	←	No Course Articulated
MATH 250A - Calculus III (4.00)	←	MATH 50C - Multivariable Calculus (4.00)
MATH 250B - Intro to Linear Algebra and Diff. Equations (4.00)	\leftarrow	MATH 45 - Linear Algebra (4.00)
		And
		MATH 55 - Differential Equations (4.00)
PHYS 225 - Fundamental Phys; Mechanics (3.00)	<u> </u>	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)	<u></u>	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)	<u>`</u>	No Course Articulated

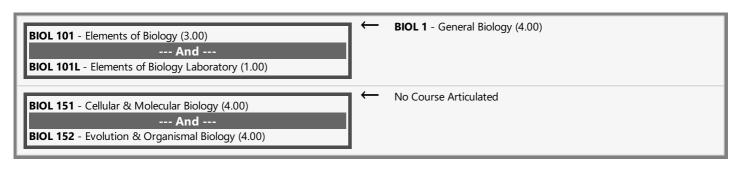
COMPUTER SCIENCE ELECTIVES

 $\textbf{CPSC 254} - Software \ Development \ with \ Open \ Source \ Systems \ (3.00) \qquad \longleftarrow \qquad No \ Course \ Articulated$

REQUIRED FOR GRADUATION

POSC 100 - American Government (3.00) ← POLSC 10 - US Government & Politics (3.00)

ARTICULATION DETAILS



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

CHEM 1B - General Chemistry (5.00)

CHEM 1B - General Chemistry (5.00)

