Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

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

From: San Joaquin Delta 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

Select 15 Semester	nit(s) from	the following		
CPSC 120 - Introduction to Programming (3.00)	Metho CSP 1	7 - Introduction to Programming Concepts and adologies (3.00) 7 - Introduction to Programming Concepts and adologies (3.00)		
CPSC 121 - Object-Oriented Programming (3.00)	CSP 3 CSP 2	6A - JAVA Programming (3.00) Or 1A - C++ Programming I (3.00) 6A - JAVA Programming (3.00) Or 1A - C++ Programming I (3.00)		
CPSC 131 - Data Structures (3.00)		6B - Data Structures with Java (3.00) Or 1B - C++ Programming II (3.00)		
CPSC 240 - Computer Organization & Assembly Language (3.00)	← CSP 2	5 - Assembly Language Programming (3.00)		
CPSC 253 - Cybersecurity Foundations and Principles (3.00)	← No Co	urse Articulated		
	And			
Select 1 Course(s) from the following				
CPSC 223C - C Programming (3.00)	← No Co	urse Articulated		
CPSC 223J - Java Programming (3.00)	← No Co	urse Articulated		
CPSC 223N - Visual C# Programming (3.00)	← No Co	urse Articulated		
CPSC 223P - Python Programming (3.00)	─ No Co	urse Articulated		

MATHEMATICS REQUIREMENTS

Select 18 Semester Unit(s) from the following			
MATH 150A - Calculus I (4.00)	← MATH 1 - Calculus I (5.00)		
MATH 150B - Calculus II (4.00)	← MATH 2 - Calculus II (4.00)		

MATH 170B - Mathematical Structure II (3.00)	←	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**

ARTICULATION DETAILS				
Select 12 Semeste	er Unit(s) from the following		
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	No Course Articulated		
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 1A - Physical Geology w/Lab (4.00)		
GEOL 101L - Introduction to Geology Laboratory (1.00)	\leftarrow	GEOL 1A - Physical Geology w/Lab (4.00)		
GEOL 201 - Earth History (3.00)	\leftarrow	GEOL 1B - Historical Geology w/Lab (4.00)		
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)	\leftarrow	MATH 4 - Differential Equations (4.00)		
		And		

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) **POLSC 1** - American Government and Institutions (3.00)

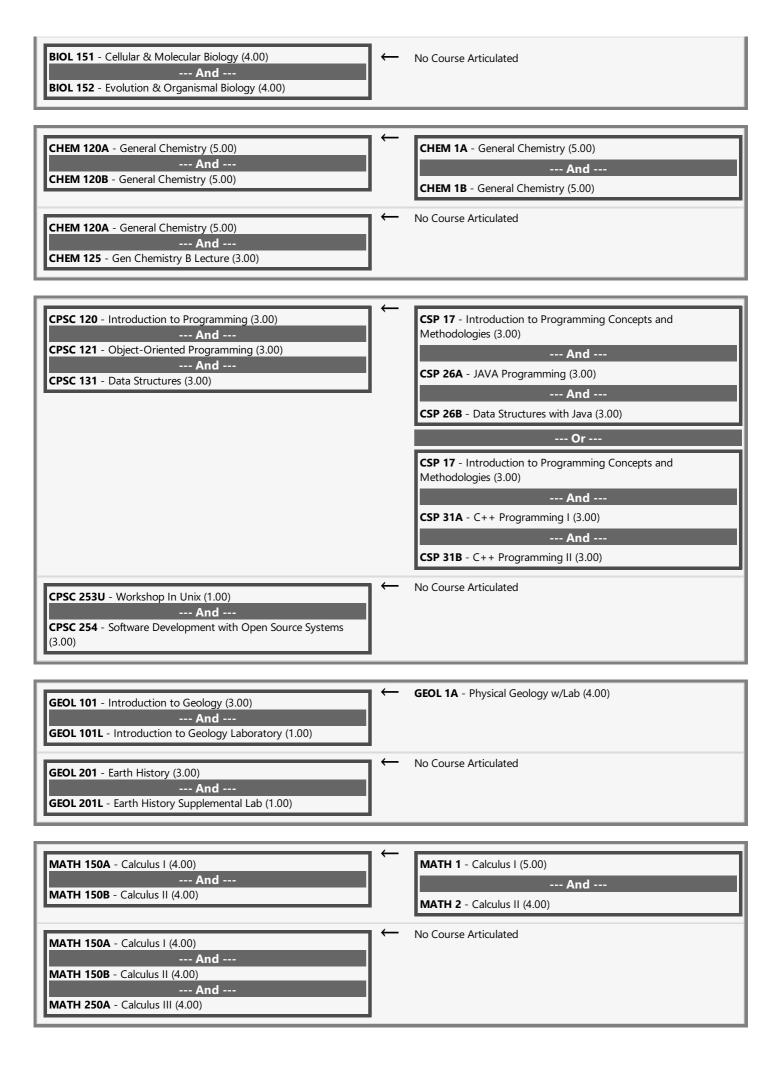
ARTICULATION DETAILS

BIOL 101 - Elements of Biology (3.00) --- And ---

BIOL 101L - Elements of Biology Laboratory (1.00)

No Course Articulated

MATH 5 - Linear Algebra (4.00)



PHYS 225 - Fundamental Phys; Mechanics (3.00)
--- And --PHYS 225L - Fundamental Physics Lab (1.00)

PHYS 226 - Fund Phys.Elect + Magnetism (3.00)
--- And --PHYS 226L - Fundamental Physics Lab (1.00)

PHYS 226L - Fundamental Physics Lab (1.00)

PHYS 227 - Fund Phys: Waves, Optics, & Mod Phys (1.00 - 3.00)
--- And --PHYS 227L - Fundamental Physics Lab (1.00)

END OF AGREEMENT