Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

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

From: Los Angeles Trade Technical 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

	Cinc(s)	from the following		
CPSC 120 - Introduction to Programming (3.00)	\leftarrow	CS 116 - Programming in C++ (3.00)		
CPSC 121 - Object-Oriented Programming (3.00)	\leftarrow	CS 113 - Programming in JAVA (3.00)		
CPSC 131 - Data Structures (3.00)	\leftarrow	No Course Articulated		
CPSC 240 - Computer Organization & Assembly Language (3.00)	\leftarrow	No Course Articulated		
CPSC 253 - Cybersecurity Foundations and Principles (3.00)	\leftarrow	No Course Articulated		
	And			
And Select 1 Course(s) from the following				
	\leftarrow	No Course Articulated		
CPSC 223C - C Programming (3.00)		No Course Articulated		
CPSC 223J - Java Programming (3.00)	\leftarrow	No Course Articulated		
<u> </u>	←	No Course Articulated		

MATHEMATICS REQUIREMENTS

Select 18 Semester Unit(s) from the following			
MATH 150A - Calculus I (4.00)	←	MATH 265 - Calculus with Analytic Geometry I (5.00)	
MATH 150B - Calculus II (4.00)	←	No Course Articulated	
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

APTICIIIA	10IT	I DETAILS
POSC 100 - American Government (3.00)	←	POL SCI 001 - The Government of the United States (3.00)
REQUIRED FO	OR G	RADUATION
CPSC 254 - Software Development with Open Source Systems (3.00)	←	No Course Articulated
COMPUTER S	CIEN	CE ELECTIVES
, , ,		
PHYS 227L - Fundamental Physics Lab (1.00)	←	No Course Articulated
PHYS 227 - Fund Phys: Waves, Optics, & Mod Phys (1.00 - 3.00)	←	No Course Articulated
PHYS 226L - Fundamental Physics Lab (1.00)	←	No Course Articulated
PHYS 226 - Fund Phys.Elect + Magnetism (3.00)	←	No Course Articulated
PHYS 225L - Fundamental Physics Lab (1.00)	←	No Course Articulated
PHYS 225 - Fundamental Phys; Mechanics (3.00)	←	No Course Articulated
		MATH 275 - Ordinary Differential Equations (3.00)
		And
MATH 250B - Intro to Linear Algebra and Diff. Equations (4.00)	\leftarrow	MATH 270 - Linear Algebra (3.00)
MATH 250A - Calculus III (4.00)	←	No Course Articulated
GEOL 201L - Earth History Supplemental Lab (1.00)	←	No Course Articulated
GEOL 201 - Earth History (3.00)	\leftarrow	No Course Articulated
GEOL 101L - Introduction to Geology Laboratory (1.00)	\leftarrow	GEOLOGY 006 - Physical Geology Laboratory (1.00)
GEOL 101 - Introduction to Geology (3.00)	←	GEOLOGY 001 - Physical Geology (3.00)
CHEM 125 - Gen Chemistry B Lecture (3.00)	←	No Course Articulated
CHEM 123 - Chemistry for Engineers (3.00)	\leftarrow	No Course Articulated
CHEM 120B - General Chemistry (5.00)	←	CHEM 102 - General Chemistry II (5.00)
CHEM 120A - General Chemistry (5.00)	←	CHEM 101 - General Chemistry I (5.00)
BIOL 152 - Evolution & Organismal Biology (4.00)	\leftarrow	No Course Articulated
BIOL 151 - Cellular & Molecular Biology (4.00)	-	No Course Articulated
BIOL 101L - Elements of Biology Laboratory (1.00)	←	No Course Articulated





