Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

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

MATH 338 - Stat Appl to Natural Sci (4.00)

From: West 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

CPSC 120 - Introduction to Programming (3.00)	\leftarrow	No Course Articulated
CPSC 121 - Object-Oriented Programming (3.00)	←	CIST 004A - Computer Programming I (C++) (4.00) Or CIST 004A1 - Computer Programming I (JAVA) (4.00)
CPSC 131 - Data Structures (3.00)	←	CIST 004B - Computer Programming II (C++) (4.00) Or CIST 004B1 - Computer Programming II (JAVA) (4.00)
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
CPSC 223C - C Programming (3.00)	\leftarrow	No Course Articulated
CPSC 223J - Java Programming (3.00)	\leftarrow	No Course Articulated
CPSC 223N - Visual C# Programming (3.00)	\leftarrow	No Course Articulated
CPSC 223P - Python Programming (3.00)	\leftarrow	No Course Articulated

MATHEMATICS REQUIREMENTS

Select 18 Semester Unit(s) from the following				
MATH 150A - Calculus I (4.00)	←	MATH 003A - Calculus and Analytic Geometry (5.00)		
MATH 150B - Calculus II (4.00)	←	MATH 003B - Calculus and Analytic Geometry (5.00)		
MATH 170A - Mathematical Structures I (3.00)	←	No Course Articulated		
MATH 170B - Mathematical Structure II (3.00)	←	No Course Articulated		

No Course Articulated

ARTICULATION DETAILS				
Select 12 Semeste	ter Unit(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 043 - Principles of Cell Biology (5.00)			
BIOL 152 - Evolution & Organismal Biology (4.00)	← BIOL 040 - Organismal Biology (4.00)			
CHEM 120A - General Chemistry (5.00)	← CHEM 001A - General Chemistry (5.00)			
CHEM 120B - General Chemistry (5.00)	← No Course Articulated			
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 001A - Physical Geology (4.00) GEOL 001AH - Honors Physical Geology (4.00)			
GEOL 101L - Introduction to Geology Laboratory (1.00)	← No Course Articulated			
GEOL 201 - Earth History (3.00)	← GEOL 001B - Historical Geology (4.00)			
GEOL 201L - Earth History Supplemental Lab (1.00)	← No Course Articulated			
MATH 250A - Calculus III (4.00)	← MATH 004A - Intermediate Calculus (5.00)			
MATH 250B - Intro to Linear Algebra and Diff. Equations (4.00)	MATH 004B - Differential Equations (4.00)			
	And			
	MATH 004C - Linear Algebra (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 225 - Fundamental Phys; Mechanics (3.00)	\leftarrow	No Course Articulated
PHYS 225L - Fundamental Physics Lab (1.00)	\leftarrow	No Course Articulated
PHYS 226 - Fund Phys.Elect + Magnetism (3.00)	\leftarrow	No Course Articulated
PHYS 226L - Fundamental Physics Lab (1.00)	\leftarrow	No Course Articulated
PHYS 227 - Fund Phys: Waves, Optics, & Mod Phys (1.00 - 3.00)	\leftarrow	No Course Articulated
PHYS 227L - Fundamental Physics Lab (1.00)	\leftarrow	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 001 - American Government (3.00) POLI 001H - Honors American Government (3.00)

ARTICULATION DETAILS



