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: Diablo 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)	← COMSC 120 - SQL Programming (4.00)
	Or
	COMSC 110 - Introduction to Programming (4.00)
	COMSC 165 - Advanced Programming with C and C++ (4.00)
CPSC 121 - Object-Oriented Programming (3.00)	← COMSC 165 - Advanced Programming with C and C++ (4.00)
	Or
	COMSC 200 - Object Oriented Programming C++ (4.00)
CPSC 131 - Data Structures (3.00)	← COMSC 210 - Program Design and Data Structures (4.00)
CPSC 240 - Computer Organization & Assembly Language (3.00)	COMSC 260 - Assembly Language Programming/Computer Organization (4.00)
CPSC 253 - Cybersecurity Foundations and Principles (3.00)	← No Course Articulated
	And
Select 1 Course	e(s) from the following
CPSC 223C - C Programming (3.00)	← No Course Articulated
CPSC 223J - Java Programming (3.00)	← No Course Articulated
CPSC 223N - Visual C# Programming (3.00)	← Course(s) Denied
CPSC 223P - Python Programming (3.00)	← No Course Articulated

MATHEMATICS REQUIREMENTS

Select 18 Semester Unit(s) from the following				
MATH 150A - Calculus I (4.00)	← MATH 192 - Analytic Geometry and Calculus I (5.00)			
MATH 150B - Calculus II (4.00)	← MATH 193 - Analytic Geometry and Calculus II (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

MATH AND SCIENCE (WITH CORRESPONDING LAB) ELECTIVES- SEE ADDITIONAL INFORMATION UNDER ARTICULATION DETAILS

BIOL 101 - Elements of Biology (3.00)	\leftarrow	BIOSC 101 - Fundamentals of Biological Science (3.00)
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 120 - General College Chemistry I (5.00)
CHEM 120B - General Chemistry (5.00)	\leftarrow	CHEM 121 - General College Chemistry II (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 120 - Physical Geology (3.00)
GEOL 101L - Introduction to Geology Laboratory (1.00)	\leftarrow	GEOL 122 - Physical Geology Laboratory (1.00)
GEOL 201 - Earth History (3.00)	\leftarrow	No Course Articulated
GEOL 201L - Earth History Supplemental Lab (1.00)	←	No Course Articulated
MATH 250A - Calculus III (4.00)	←	MATH 292 - Analytic Geometry and Calculus III (5.00)
MATH 250B - Intro to Linear Algebra and Diff. Equations (4.00)	\leftarrow	MATH 194 - Linear Algebra (3.00)
		And
		MATH 294 - Differential Equations (5.00)
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)	\leftarrow	No Course Articulated
PHYS 227L - Fundamental Physics Lab (1.00)	\leftarrow	No Course Articulated

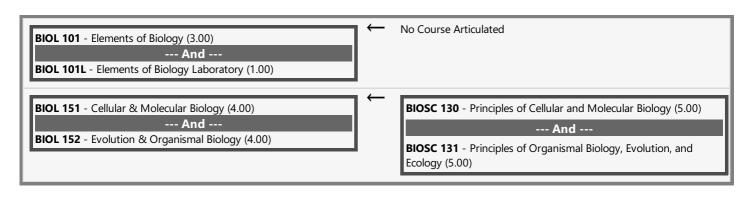
COMPUTER SCIENCE ELECTIVES

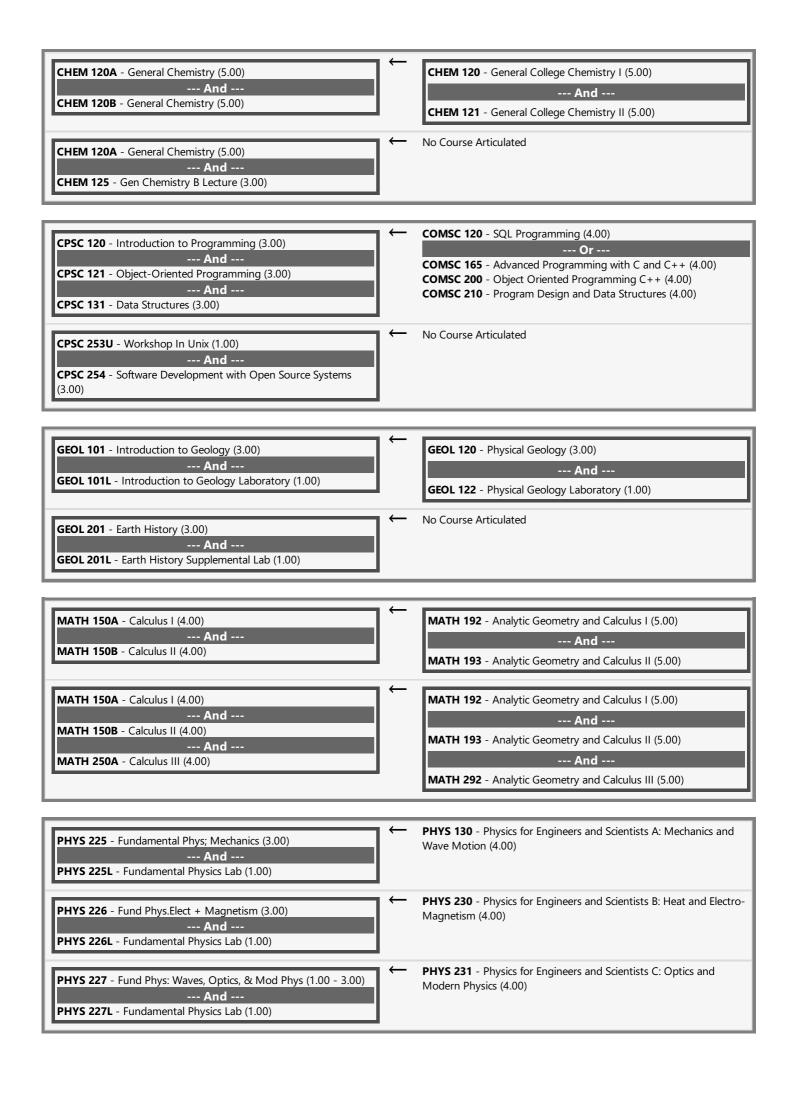
CPSC 254 - Software Development with Open Source Systems (3.00) ← No Course Articulated

REQUIRED FOR GRADUATION

POSC 100 - American Government (3.00) — POLSC 121 - Introduction to United States Government (3.00)

ARTICULATION DETAILS





END OF AGREEMENT