Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

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

From: Canada 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	CIS 118 - Introduction to Computer Science (4.00)			
CPSC 121 - Object-Oriented Programming (3.00)	←	CIS 250 - Introduction to Object Oriented Programming-C++ (3.00) Or			
		CIS 284 - Introduction to Object Oriented Programming-Java (3.00)			
CPSC 131 - Data Structures (3.00)	←	CIS 252 - Introduction to Data Structures-C++ (3.00)			
		CIS 286 - Introduction to Data Structures-Java (3.00)			
CPSC 240 - Computer Organization & Assembly Language (3.00)	\leftarrow	CIS 242 - Computer Architecture and Assembly Language (3.00)			
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	No Course Articulated			
CPSC 223N - Visual C# Programming (3.00)	\leftarrow	No Course Articulated			
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 251 - Analytical Geometry and Calculus I (5.00)			
MATH 150B - Calculus II (4.00)	← MATH 252 - Analytical Geometry and Calculus II (5.00)			

MATH 170A - Mathematical Structures I (3.00)	\leftarrow	CIS 262 - Discrete Mathematics for Computer Science (3.00)
MATH 170B - Mathematical Structure II (3.00)	\leftarrow	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

ARTICU	ILATION	N DETAILS			
Select 12 Semester Unit(s) from the following					
BIOL 101 - Elements of Biology (3.00)	←	No Course Articulated			
BIOL 101L - Elements of Biology Laboratory (1.00)	\leftarrow	No Course Articulated			
BIOL 151 - Cellular & Molecular Biology (4.00)	\leftarrow	BIOL 230 - Cell and Molecular Biology (5.00)			
BIOL 152 - Evolution & Organismal Biology (4.00)	←	BIOL 225 - Biology of Organisms (5.00)			
CHEM 120A - General Chemistry (5.00)	←	CHEM 210 - General Chemistry I (5.00)			
CHEM 120B - General Chemistry (5.00)	\leftarrow	CHEM 220 - General 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 100 - Introduction to Geology (3.00)			
GEOL 101L - Introduction to Geology Laboratory (1.00)	\leftarrow	GEOL 101 - 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 253 - Analytical Geometry and Calculus III (5.00)			
MATH 250B - Intro to Linear Algebra and Diff. Equations (4.00)	\leftarrow	MATH 270 - Linear Algebra (3.00)			
		And			
		MATH 275 - Ordinary Differential Equations (3.00)			
PHYS 225 - Fundamental Phys; Mechanics (3.00)	\leftarrow	No Course Articulated			
PHYS 225L - Fundamental Physics Lab (1.00)	\leftarrow	No Course Articulated			
DHVS 226 Fund Phys Flort + Magnetism (2.00)	←	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

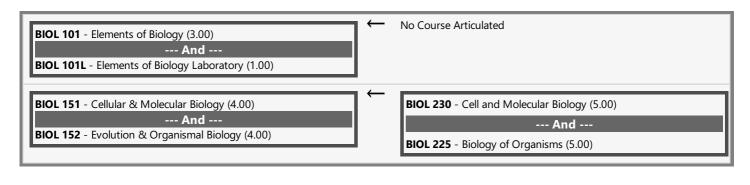
COMPUTER SCIENCE ELECTIVES

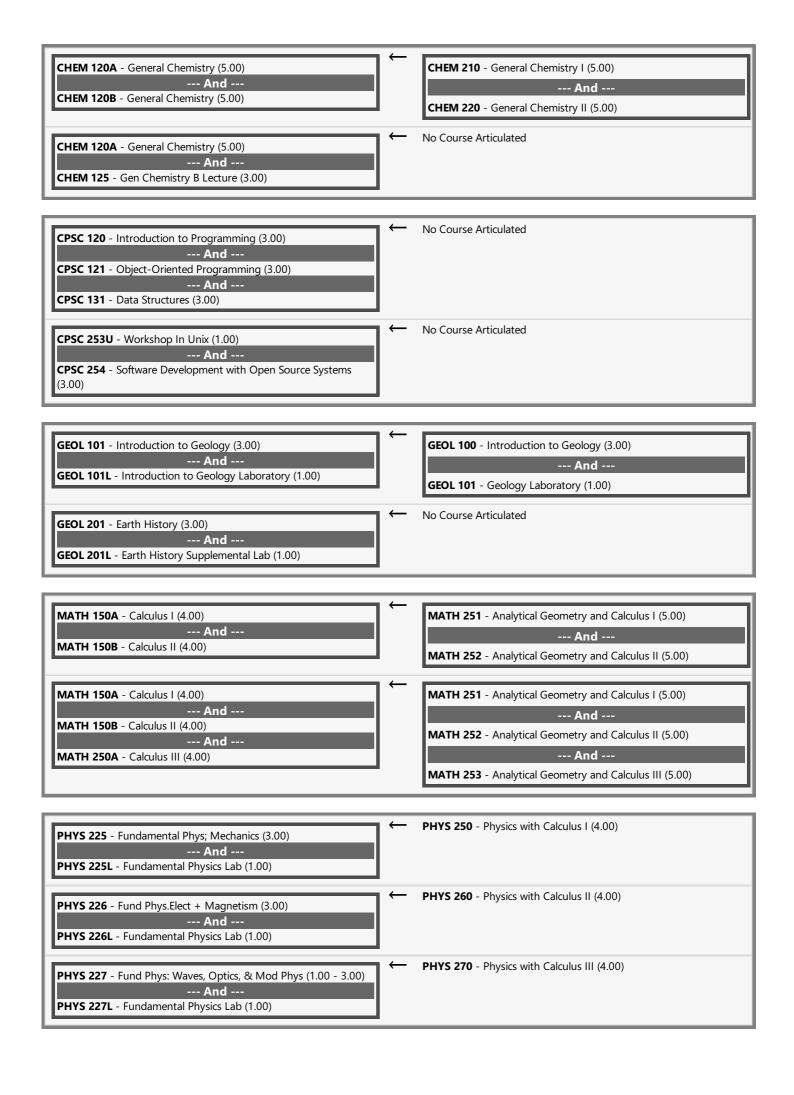
CPSC 254 - Software Development with Open Source Systems (3.00) ← No Course Articulated

REQUIRED FOR GRADUATION

POSC 100 - American Government (3.00) ← PLSC 210 - American Politics (3.00)

ARTICULATION DETAILS





END OF AGREEMENT