Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

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

From: Columbia 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

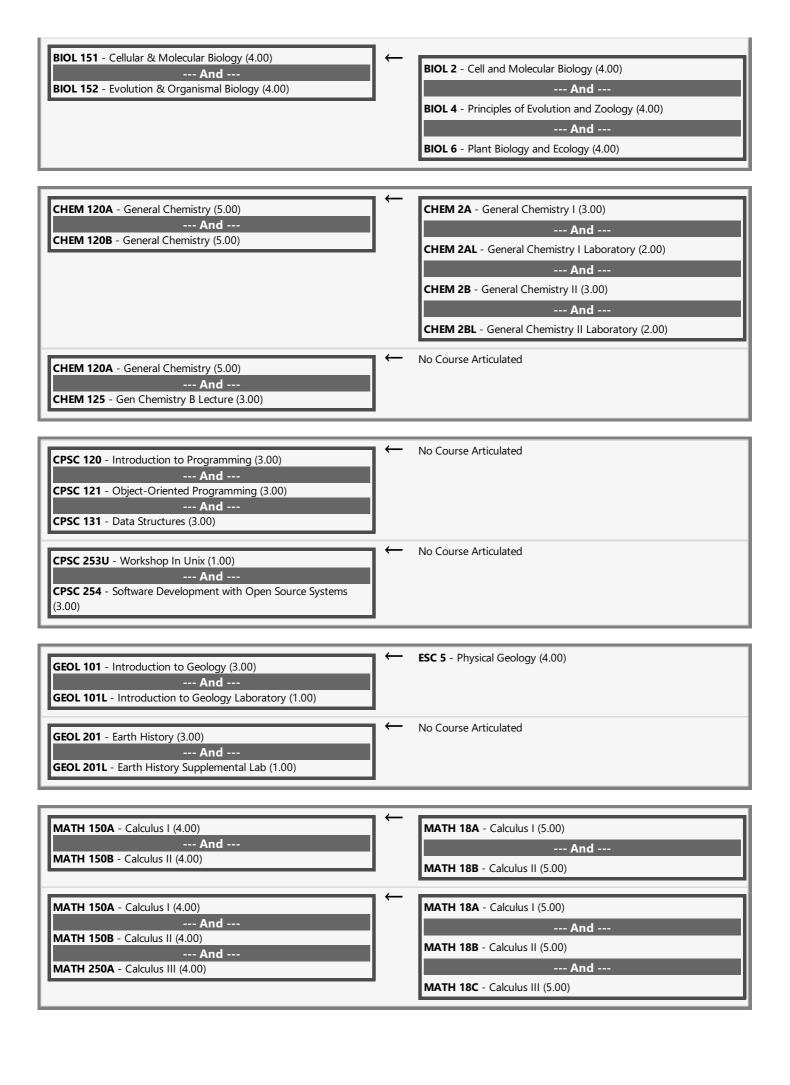
Select 15 Semester	Unit(s) from the following
CPSC 120 - Introduction to Programming (3.00)	←	COMP 11P - Programming Concepts and Methodology I (Python) (4.00)
CPSC 121 - Object-Oriented Programming (3.00)	←	COMP 11P - Programming Concepts and Methodology I (Python (4.00)
CPSC 131 - Data Structures (3.00)	←	COMP 12P - Programming Concepts and Methodology II (Pythor (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	e(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

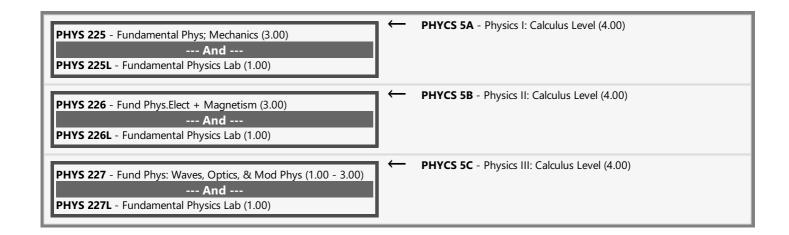
MATHEMATICS REQUIREMENTS

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

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)	← No Course Articulated			
BIOL 151 - Cellular & Molecular Biology (4.00)	← BIOL 2 - Cell and Molecular Biology (4.00)			
BIOL 152 - Evolution & Organismal Biology (4.00)	ENGLA Disciples of Evolution and Zaplamy (4.00)			
	BIOL 4 - Principles of Evolution and Zoology (4.00) And			
	BIOL 6 - Plant Biology and Ecology (4.00)			
	BIOL 6 - Flatt Biology and Ecology (4.00)			
CHEM 120A - General Chemistry (5.00)	CHEM 2A - General Chemistry I (3.00)			
	And			
	CHEM 2AL - General Chemistry I Laboratory (2.00)			
	,			
CHEM 120B - General Chemistry (5.00)	CHEM 2B - General Chemistry II (3.00)			
	And			
	CHEM 2BL - General Chemistry II Laboratory (2.00)			
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)	← ESC 5 - Physical Geology (4.00)			
GEOL 101L - Introduction to Geology Laboratory (1.00)	← ESC 5 - Physical Geology (4.00)			
GEOL 201 - Earth History (3.00)	← ESC 23 - Historical Geology (4.00)			
GEOL 201L - Earth History Supplemental Lab (1.00)	← No Course Articulated			
MATH 250A - Calculus III (4.00)	← MATH 18C - Calculus III (5.00)			
MATH 250B - Intro to Linear Algebra and Diff. Equations (4.00)	← No Course Articulated			
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			
CF 3C 234 - Software Development with Open Source Systems (5.00)	, INO COUISE AI liculated			
DECLURED FOR CRADULATION				
REQUIRED I	FOR GRADUATION			
POSC 100 - American Government (3.00)	← POLSC 10 - Constitutional Government (3.00)			
ARTICULATION DETAILS				
BIOL 101 - Elements of Biology (3.00)	← No Course Articulated			
And				
BIOL 101L - Elements of Biology Laboratory (1.00)				

BIOL 101L - Elements of Biology Laboratory (1.00)





END OF AGREEMENT