Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

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

From: Mission 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	r Unit(s) from the following		
CPSC 120 - Introduction to Programming (3.00)	\leftarrow	No Course Articulated		
CPSC 121 - Object-Oriented Programming (3.00)	←	EGR 030 - Introduction to Computing for Engineers (4.00) Or CIS 043 - Software Development with Java Programming (4.00)		
CPSC 131 - Data Structures (3.00)	←	No Course Articulated		
CPSC 240 - Computer Organization & Assembly Language (3.00)	←	CIS 039 - Introduction to Computer Systems and Assembly Language (4.00)		
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)	\leftarrow	No Course Articulated		

MATHEMATICS REQUIREMENTS

Select 18 Semester Unit(s) from the following				
MATH 150A - Calculus I (4.00)	← MAT 003A - Analytic Geometry and Calculus I (5.00)			
MATH 150B - Calculus II (4.00)	← MAT 003B - 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			
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)	\leftarrow	No Course Articulated		
BIOL 151 - Cellular & Molecular Biology (4.00)	←	BIO 043 - Principles of Cell and Molecular Biology (5.00) Or		
		BIO 043H - Principles of Cell and Molecular Biology - Honors (5.00)		
BIOL 152 - Evolution & Organismal Biology (4.00)	<u>←</u>	No Course Articulated		
CHEM 120A - General Chemistry (5.00)	\leftarrow	CHM 001A - General Chemistry I (5.00)		
		Or CHM 001AH - General Chemistry I - Honors (5.00)		
CHEM 120B - General Chemistry (5.00)	←	CHM 001B - General Chemistry II (5.00)		
, ,		Or		
		CHM 001BH - General Chemistry II - Honors (5.00)		
CHEM 123 - Chemistry for Engineers (3.00)	←	No Course Articulated		
CHEM 125 - Gen Chemistry B Lecture (3.00)	\leftarrow	No Course Articulated		
GEOL 101 - Introduction to Geology (3.00)	<u> </u>	No Course Articulated		
GEOL 101L - Introduction to Geology Laboratory (1.00)	←	No Course Articulated		
GEOL 201 - Earth History (3.00)	<u> </u>	No Course Articulated		
GEOL 201L - Earth History Supplemental Lab (1.00)	<u>—</u>	No Course Articulated		
MATH 250A - Calculus III (4.00)	←	No Course Articulated		
MATH 250B - Intro to Linear Algebra and Diff. Equations (4.00)	\leftarrow			
3 4 (,		MAT 004B - Differential Equations (4.00) And		
		MAT 004C - Linear Algebra (4.00)		
		N. C. Avi Iv I		
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) PHYS 227L - Fundamental Physics Lab (1.00)	\	No Course Articulated No Course Articulated		
PHT3 227L - Fulldamental Physics Lab (1.00)		No Course Articulated		
COMPUTER	CIEN	CE ELECTIVES		
CPSC 254 - Software Development with Open Source Systems (3.00)	←	No Course Articulated		
REQUIRED F	OR G	RADUATION		
POSC 100 - American Government (3.00)		POL 001 - American Government (3.00)		
rose 100 - American Government (5.00)	`	Or		

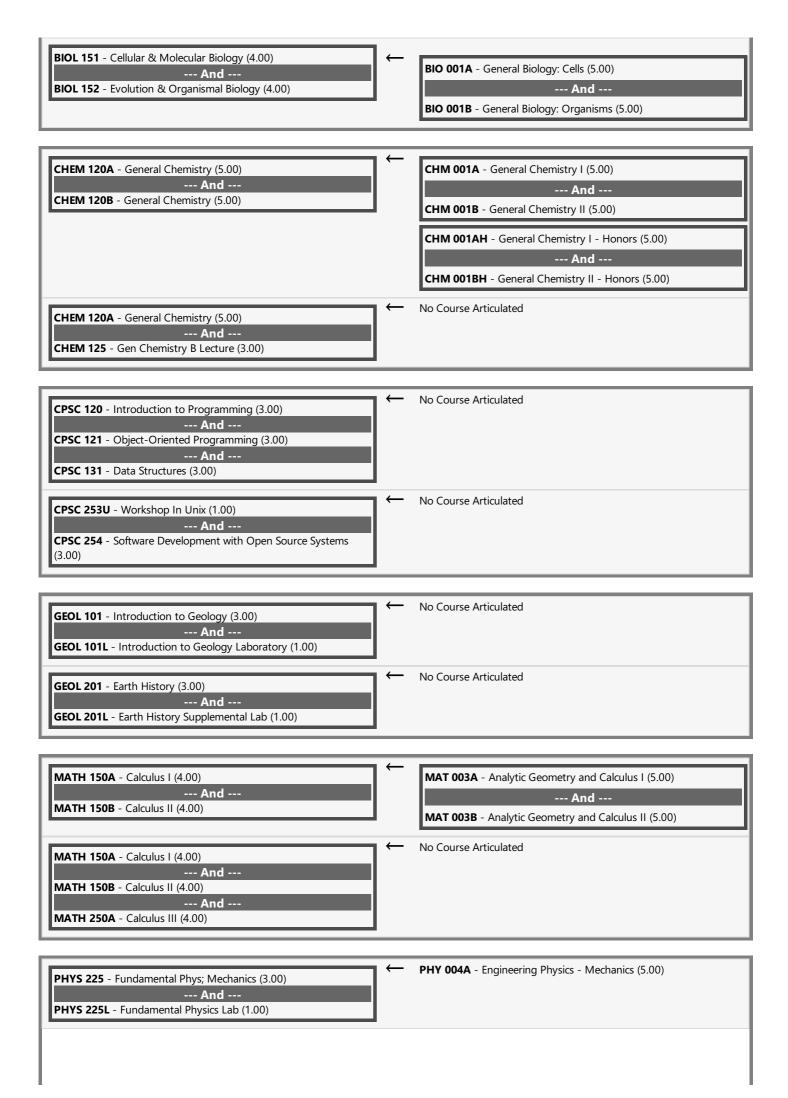
ARTICULATION DETAILS

BIOL 101 - Elements of Biology (3.00)

--- And --BIOL 101L - Elements of Biology Laboratory (1.00)

No Course Articulated

POL 001H - American Government - Honors (3.00)



PHYS 226 - Fund Phys.Elect + Magnetism (3.00) And PHYS 226L - Fundamental Physics Lab (1.00)	←	PHY 004B - Engineering Physics - Electricity and Magnetism (4.00)
PHYS 227 - Fund Phys: Waves, Optics, & Mod Phys (1.00 - 3.00) And PHYS 227L - Fundamental Physics Lab (1.00)	←	PHY 004C - Engineering Physics - Light and Heat (4.00)

END OF AGREEMENT