Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

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

From: Ventura 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)	← No Course Articulated
CPSC 121 - Object-Oriented Programming (3.00)	← CS V11 - Programming Fundamentals (3.00)
CPSC 131 - Data Structures (3.00)	← CS V15 - Data Structures and Algorithms (3.00)
CPSC 240 - Computer Organization & Assembly Language (3.00)	← No Course Articulated
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)	← CS V40 - Beginning Java (3.00)
	← No Course Articulated
CPSC 223N - Visual C# Programming (3.00)	No Course Africulated

MATHEMATICS REQUIREMENTS

Select 18 Semester Unit(s) from the following			
MATH 150A - Calculus I (4.00)	← MATH V21A - Calculus with Analytic Geometry I (5.00)		
MATH 150B - Calculus II (4.00)	← MATH V21B - Calculus with Analytic Geometry II (5.00)		
MATH 170A - Mathematical Structures I (3.00)	← CS V17 - Discrete Structures (3.00) Same-As: MATH V52		
MATH 170B - Mathematical Structure II (3.00)	← 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 ARTICULATION DETAILS

BIOL 101 - Elements of Biology (3.00)	←	BIOL V01 - Principles of Biology (3.00)
PIOL 1011 Flavoreta of Biology Laboratory (1 00)		· · · · · · · · · · · · · · · · · · ·
BIOL 101L - Elements of Biology Laboratory (1.00)		BIOL V01L - Principles of Biology Laboratory (1.00) BIOL V04 - Introduction to Cell and Molecular Biology (5.00)
BIOL 151 - Cellular & Molecular Biology (4.00)		-
BIOL 152 - Evolution & Organismal Biology (4.00)	\leftarrow	BIOL V03 - Introduction to Organismal Biology and Ecology (5.00)
CHEM 120A Congral Chamistry (F.00)	←	
CHEM 120A - General Chemistry (5.00)		CHEM V01A - General Chemistry I (3.00)
		And
		CHEM V01AL - General Chemistry I Laboratory (2.00)
CHEM 120B - General Chemistry (5.00)	\leftarrow	CHEM V01B - General Chemistry II (3.00)
		And
		CHEM V01BL - General Chemistry II Laboratory (2.00)
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)	←	GEOL V02 - Physical Geology (3.00)
GEOL 101L - Introduction to Geology Laboratory (1.00)	\leftarrow	GEOL V02L - Physical Geology Laboratory (1.00)
GEOL 201 - Earth History (3.00)	\leftarrow	No Course Articulated
GEOL 201L - Earth History Supplemental Lab (1.00)	<u>←</u>	No Course Articulated
MATH 250A - Calculus III (4.00)	←	MATH V21C - Multivariable Calculus (5.00)
MATH 250B - Intro to Linear Algebra and Diff. Equations (4.00)	←	
•		MATH V23 - Introduction to Differential Equations (3.00)
		And
		MATH V22 - Introduction to Linear Algebra (3.00)
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)	←	No Course Articulated
PHYS 227L - Fundamental Physics Lab (1.00)	←	No Course Articulated
Title 2272 Tulled Hilling Eds (1.00)		No coarse / Michael
COMPUTER S	SCIEN	CE ELECTIVES
CPSC 254 - Software Development with Open Source Systems (3.00)	←	No Course Articulated
2. 2. 2. Comment with open source systems (5.00)		
	OR G	RADUATION

ARTICULATION DETAILS

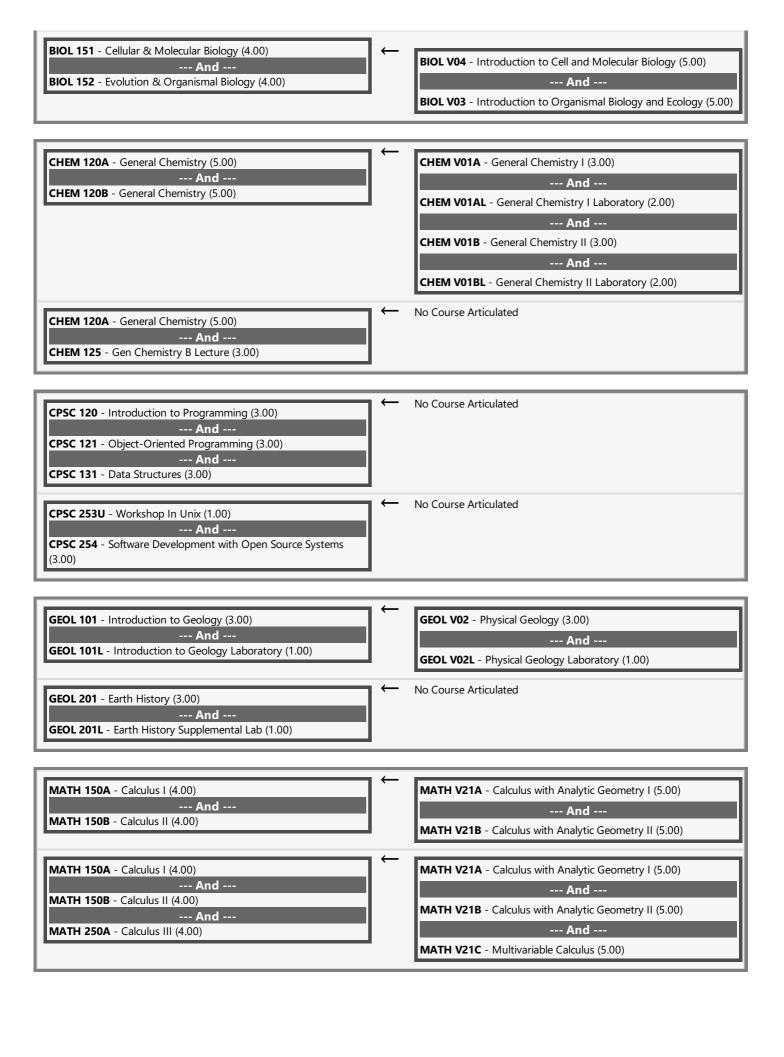
BIOL 101 - Elements of Biology (3.00)

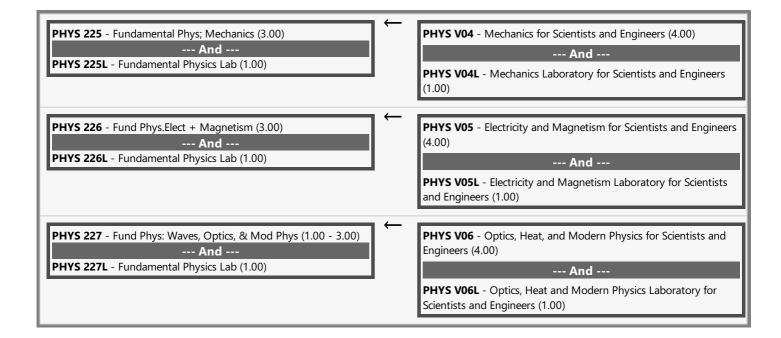
--- And --
BIOL 101L - Elements of Biology Laboratory (1.00)

BIOL V01 - Principles of Biology (3.00)

--- And ---

BIOL V01L - Principles of Biology Laboratory (1.00)





END OF AGREEMENT