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: Rio Hondo 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)	← CIT 125 - Introduction to C++ Programming (4.00)
CPSC 121 - Object-Oriented Programming (3.00)	← CIT 127 - Python Programming I (3.00)
CPSC 131 - Data Structures (3.00)	CIT 128 - Python Programming II (3.00)
CPSC 240 - Computer Organization & Assembly Language (3.00)	← CS 142 - Computer Architecture and Organization (3.00)
CPSC 253 - Cybersecurity Foundations and Principles (3.00)	← No Course Articulated
-	And
Select 1 Cours	e(s) from the following
CPSC 223C - C Programming (3.00)	← No Course Articulated
CPSC 223J - Java Programming (3.00)	CIT 136 - Advanced Java Programming (4.00)
	Or CIT 135 - Introduction to Java Programming (4.00)
CPSC 223N - Visual C# Programming (3.00)	← No Course Articulated

MATHEMATICS REQUIREMENTS

Select 18 Semester Unit(s) from the following						
MATH 150A - Calculus I (4.00)	←	MATH 190 - Calculus I (4.00) Or				
		MATH 190H - Calculus I Honors (4.00)				
MATH 150B - Calculus II (4.00)	←	MATH 191 - Calculus II (4.00)				
MATH 170A - Mathematical Structures I (3.00)	←	CS 152 - Discrete Structures (3.00)				
MATH 170B - Mathematical Structure II (3.00)	←	No Course Articulated				

No Course Articulated

ARTICULATION 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)	← No Course Articulated				
BIOL 151 - Cellular & Molecular Biology (4.00)	← BIOL 200 - Principles of Biology 1 (Molecular and Cellular Biology) (5.00)				
BIOL 152 - Evolution & Organismal Biology (4.00)	← No Course Articulated				
CHEM 120A - General Chemistry (5.00)	← CHEM 130 - General Chemistry I (5.00)				
CHEM 120B - General Chemistry (5.00)	← CHEM 140 - General Chemistry II (5.00)				
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)	← GEOL 150 - Physical Geology (3.00)				
GEOL 101L - Introduction to Geology Laboratory (1.00)	← GEOL 151 - Physical Geology Laboratory (1.00)				
GEOL 201 - Earth History (3.00)	← No Course Articulated				
GEOL 201L - Earth History Supplemental Lab (1.00)	← No Course Articulated				

MATH 250A - Calculus III (4.00)	\leftarrow	MATH 250 - Calculus III (4.00)
MATH 250B - Intro to Linear Algebra and Diff. Equations (4.00)	←	MATH 260 - Linear Algebra (4.00) And MATH 270 - Differential Equations (4.00)
		Or MATH 251 - Linear Algebra and 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)	← 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

REQUIRED FOR GRADUATION

POSC 100 - American Government (3.00) POLS 110 - Government of the United States (3.00)

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POLS 110H - Government of the United States Honors (3.00)

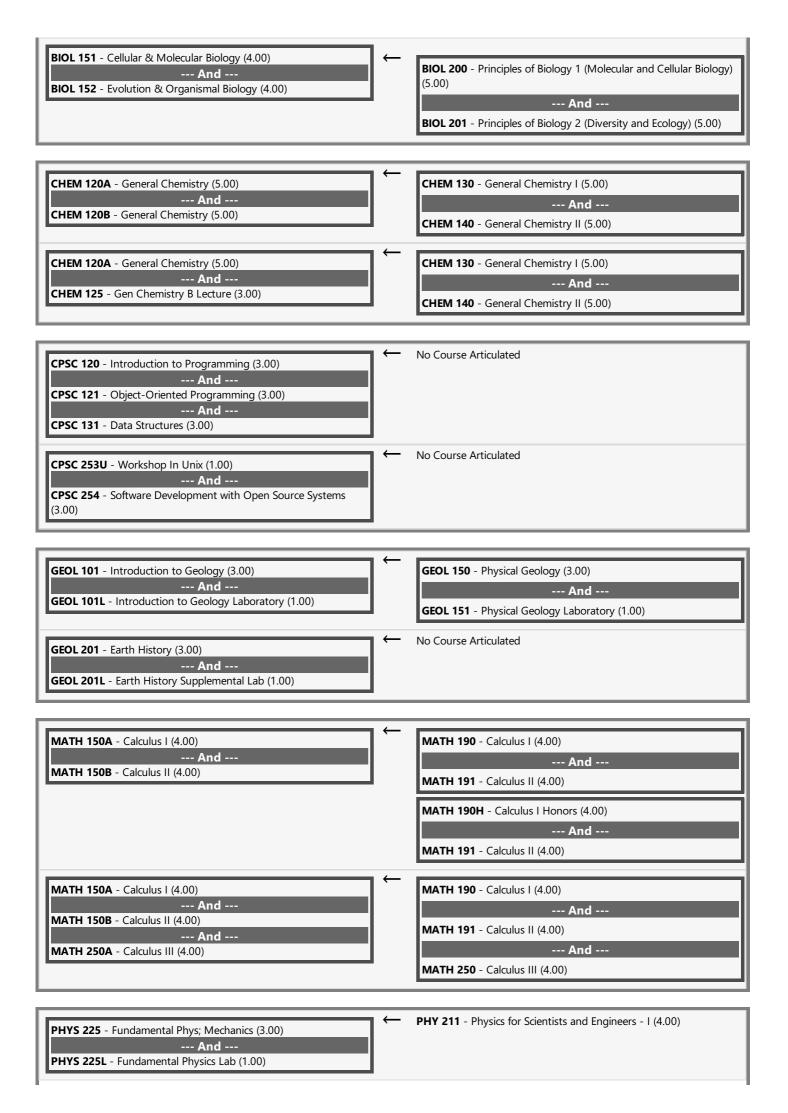
ARTICULATION DETAILS

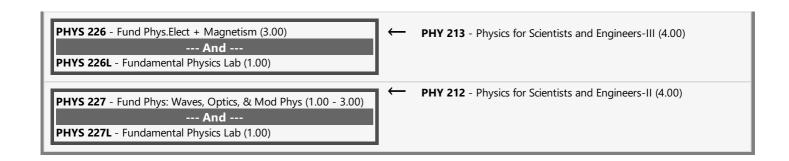
BIOL 101 - Elements of Biology (3.00)

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BIOL 101L - Elements of Biology Laboratory (1.00)

BIOL 101 - General Biology (4.00)





END OF AGREEMENT