Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

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

MATH 170B - Mathematical Structure II (3.00)

MATH 338 - Stat Appl to Natural Sci (4.00)

From: College of Marin 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)	\leftarrow	COMP 130 - Introduction to Computer Programming Using C++ (4.00)
CPSC 121 - Object-Oriented Programming (3.00)	\leftarrow	No Course Articulated
CPSC 131 - Data Structures (3.00)	\leftarrow	COMP 220 - Data Structures and Algorithms (3.00)
CPSC 240 - Computer Organization & Assembly Language (3.00)	\leftarrow	COMP 160 - Computer Organization: An Assembly Language Perspective (3.00)
CPSC 253 - Cybersecurity Foundations and Principles (3.00)	\leftarrow	No Course Articulated
	- And	
Select 1 Course	(s) fro	m the following
CPSC 223C - C Programming (3.00)	\leftarrow	No Course Articulated
CPSC 223J - Java Programming (3.00)	←	COMP 135 - Introduction to Computer Programming Using Java (4.00)
		Or
		COMP 232 - Advanced Programming in JAVA (4.00)
		No Course Articulated
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 123 - Analytic Geometry and Calculus I (5.00)		
MATH 150B - Calculus II (4.00)	← MATH 124 - Analytic Geometry and Calculus II (5.00)		
MATH 170A - Mathematical Structures I (3.00)	← No Course Articulated		

No Course Articulated

No Course Articulated

MATH AND SCIENCE (WITH CORRESPONDING LAB) ELECTIVES- SEE ADDITIONAL INFORMATION UNDER **ARTICULATION DETAILS**

ARTICULATION DETAILS			
Select 12 Semester Unit(s) from the following			
← BIOL 110 - Introduction to Biology (3.00)			
← No Course Articulated			
← BIOL 112C - Majors' Biology: Molecules, Cells, Prokaryotes and Genetics (5.00)			
BIOL 112A - Majors' Biology: Animals, Protozoa, Evolution and Classification (5.00)			
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CHEM 131 - General Chemistry I (5.00)			
CHEM 132 - General Chemistry II (5.00)			
← No Course Articulated			
← No Course Articulated			
← GEOL 120 - Physical Geology (3.00)			
← GEOL 120L - Physical Geology Laboratory (1.00)			
← GEOL 121 - Historical Geology (4.00)			
← No Course Articulated			
← MATH 223 - Analytic Geometry and Calculus III (5.00)			
MATH 116 - Linear Algebra (4.00)			
And			
MATH 224 - Elementary Differential Equations (4.00)			
← No Course Articulated			
← No Course Articulated			
← No Course Articulated			
← No Course Articulated			
← No Course Articulated			

COMPUTER SCIENCE ELECTIVES

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

REQUIRED FOR GRADUATION

POLS 100 - American Political Institutions (3.00) POSC 100 - American Government (3.00)

> --- Or ---POLS 101 - Introduction to the Government of the United States

> (3.00)

ARTICULATION DETAILS

BIOL 101 - Elements of Biology (3.00)

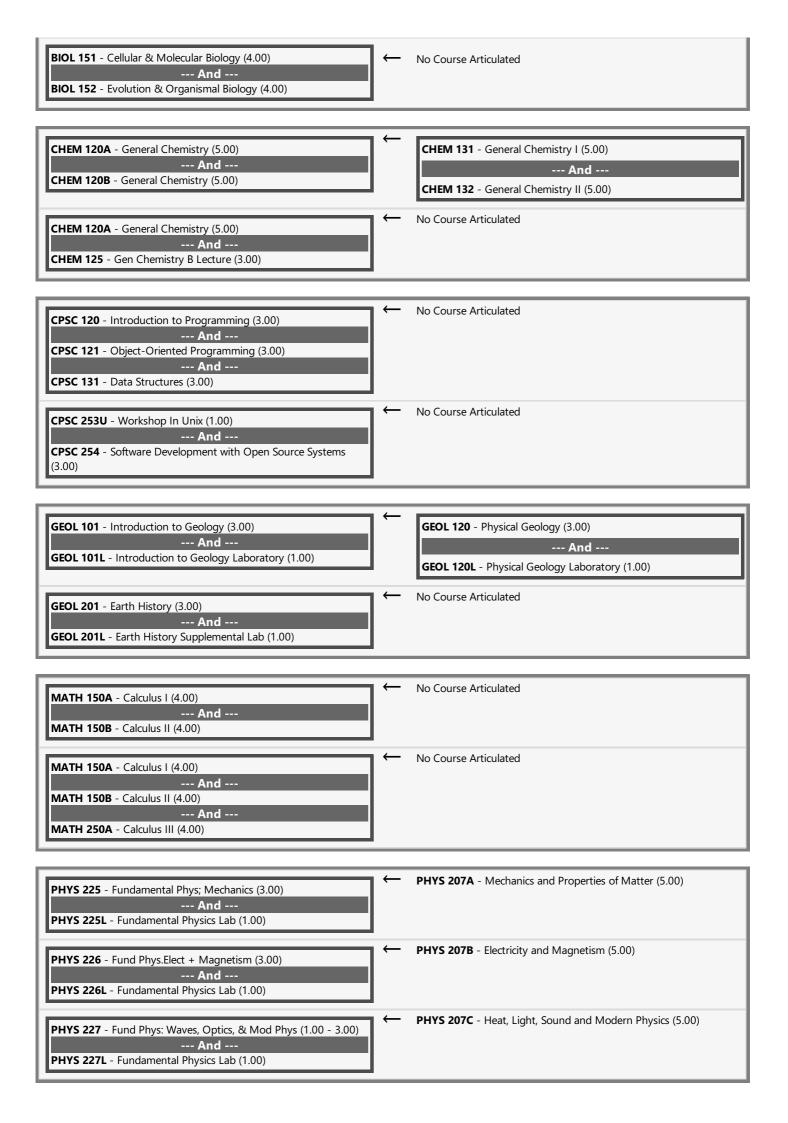
PHYS 227L - Fundamental Physics Lab (1.00)

--- And ---

BIOL 101L - Elements of Biology Laboratory (1.00)

No Course Articulated

No Course Articulated



END OF AGREEMENT