

Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

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

From: Contra Costa College
2022-2023 General Catalog, Semester

Computer Science, B.S.

GENERAL INFORMATION

- Special Grade Requirement:** A grade of "C-" or better is required in all prerequisite courses in the Computer Science Major.

LOWER DIVISION REQUIREMENTS

Please refer to additional important General Information section above

COMP 150 - Object-oriented Programming (4.00)	←	COMP 251 - Fundamentals of Computer Science C++ (4.00)
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		COMP 257 - JAVA with Object-Oriented Programming (4.00)
COMP 151 - Data Structures and Program Design (4.00)	←	COMP 252 - Data Structures and Algorithms (4.00)
COMP 162 - Computer Architecture and Assembly Language (3.00)	←	COMP 280 - Computer Structure and Organization (4.00)
COMP 232 - Programming Languages (3.00)	←	No Course Articulated
COMP 262 - Computer Organization and Architecture (3.00)	←	No Course Articulated

MATH 150 - Calculus I (4.00)	←	MATH 190 - Analytic Geometry and Calculus I (5.00)
MATH 151 - Calculus II (4.00)	←	MATH 191 - Analytic Geometry and Calculus II (4.00)

MATH 240 - Linear Algebra (3.00)	←	MATH 200 - Introduction to Linear Algebra (4.00)
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SCIENCE

Select 1 Sequence(s) from the following

Please refer to additional important General Information section above

PHYS 200 - General Physics I (4.00)	←	PHYS 130 - General Physics I (4.00)
PHYS 201 - General Physics II (4.00)	←	PHYS 230 - General Physics II (4.00)

--- And ---		
CSU GE Area: B2 - Life Science	←	ANTHR 140 - Introduction to Physical Anthropology (3.00)
• <i>Maximum credit, one course</i>		PSYCH 150 - Introduction to Biological Psychology (3.00)
		BIOSC 134 - Human Physiology (4.00)
		BIOSC 172 - Introduction to Biotechnology (3.00)
		BIOSC 119 - Microbiology (4.00)
		BIOSC 147 - Cell and Molecular Biology (4.00)
		BIOSC 132 - Human Anatomy (4.00)
		BIOSC 110 - Introduction to Biological Sciences (4.00)
		BIOSC 145 - Organismal Biology (4.00)

--- Or ---		
PHYS 200 - General Physics I (4.00)	←	PHYS 130 - General Physics I (4.00)
BIOL 200 - Principles of Organismal and Population Biology (4.00)	←	BIOSC 145 - Organismal Biology (4.00)
BIOL 212 - Neurobiology and Cognitive Science (3.00)	←	PSYCH 150 - Introduction to Biological Psychology (3.00)
Same-As: PSY 212		

UPPER DIVISION REQUIREMENTS

MATH 300 - Discrete Mathematics (3.00)	←	MATH 185 - Discrete Mathematics (3.00)
• <i>Content credit only</i>		• <i>Course is an approved substitute for Computer Science majors only</i>
• <i>Lower division credit only</i>		• <i>Course is an approved substitute for Information Technology majors only</i>

END OF AGREEMENT