Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

To: California State University, Channel Islands 2022-2023 General Catalog, Semester	From: East Los Angeles College 2022-2023 General Catalog, Semester

Computer Science, B.S.

GENERAL INFORMATION

1. **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)	←	**CS 116** - Programming in C++ (3.00)
		--- Or ---
		CS 113 - Programming in JAVA (3.00)
		--- Or ---
		MATH 273 - Introduction to Data Structures and Algorithms (4.00)
COMP 151 - Data Structures and Program Design (4.00)	←	No Comparable Course
COMP 162 - Computer Architecture and Assembly Language (3.00)	←	**CS 130** - Introduction to Computer Architecture and Organization (3.00)
COMP 232 - Programming Languages (3.00)	←	No Comparable Course
COMP 262 - Computer Organization and Architecture (3.00)	←	No Comparable Course

MATH 150 - Calculus I (4.00)	←	**MATH 261** - Calculus I (5.00)
MATH 151 - Calculus II (4.00)	←	**MATH 262** - Calculus II (5.00)

MATH 240 - Linear Algebra (3.00)	←	**MATH 270** - Linear Algebra (3.00)

SCIENCE

Select 1 Sequence(s) from the following
Please refer to additional important General Information section above

PHYS 200 - General Physics I (4.00)	←	**PHYSICS 021** - General Physics I with Calculus (4.00)
		--- Or ---
		PHYSICS 101 - Physics for Engineers and Scientists I (5.00)
PHYS 201 - General Physics II (4.00)	←	**PHYSICS 022** - General Physics II with Calculus (4.00)
		--- Or ---
		PHYSICS 102 - Physics for Engineers and Scientists II (5.00)

--- And ---

CSU GE Area: B2 - Life Science • *Maximum credit, one course*	←	**OCEANO 001** - Introduction to Oceanography (3.00) **BIOLOGY 025** - Human Biology (3.00) **PSYCH 002** - Biological Psychology (3.00) **ANTHRO 101** - Human Biological Evolution (3.00) **BIOLOGY 009** - Human Ecology (3.00) **BIOLOGY 046** - Genetic Analysis (3.00) **MICRO 020** - General Microbiology (4.00) **BIOLOGY 006** - General Biology I (5.00) **BIOLOGY 003** - Introduction to Biology (4.00) **BIOLOGY 022** - Marine Biology (4.00) **BIOLOGY 020** - Human Anatomy and Physiology (8.00) **PHYSIOL 001** - Introduction to Human Physiology (4.00) **ANATOMY 001** - Introduction to Human Anatomy (4.00) **BIOLOGY 007** - General Biology II (5.00)

--- Or ---

PHYS 200 - General Physics I (4.00)	←	PHYSICS 021 - General Physics I with Calculus (4.00)
		--- Or ---
		PHYSICS 101 - Physics for Engineers and Scientists I (5.00)
BIOL 200 - Principles of Organismal and Population Biology (4.00)	←	BIOLOGY 007 - General Biology II (5.00)
BIOL 212 - Neurobiology and Cognitive Science (3.00) Same-As: PSY 212	←	PSYCH 002 - Biological Psychology (3.00)

UPPER DIVISION REQUIREMENTS

MATH 300 - Discrete Mathematics (3.00)	←	CS 131 - Discrete Structures for Computer Science (3.00)
• *Content credit only*		• *Course is an approved substitute for Computer Science majors only*
• *Lower division credit only*		• *Course is an approved substitute for Information Technology majors only*

END OF AGREEMENT