Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

To: California State University, Channel Islands **2022-2023 General Catalog, Semester**	**From: Los Angeles Harbor 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)
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		CS 113 - Programming in Java (3.00)
COMP 151 - Data Structures and Program Design (4.00)	←	**CS 136** - Introduction to Data Structures (3.00)
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 265** - Calculus with Analytic Geometry I (5.00)
MATH 151 - Calculus II (4.00)	←	**MATH 266** - Calculus with Analytic Geometry 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 037** - Physics for Engineers and Scientists I (5.00)
PHYS 201 - General Physics II (4.00)	←	**PHYSICS 038** - Physics for Engineers and Scientists II (5.00)

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CSU GE Area: B2 - Life Science • *Maximum credit, one course*	←	**OCEANO 012** - Lectures in Marine Biology (3.00) **ANTHRO 101** - Human Biological Evolution (3.00) **ENV SCI 002** - The Human Environment: Biological Processes (3.00) **PHYSIOL 001** - Introduction to Human Physiology (4.00) **MICRO 020** - General Microbiology (4.00) **BIOLOGY 005** - Introduction to Human Biology (4.00) **BIOLOGY 101** - Biodiversity and Environmental Biology (4.00) **BIOLOGY 103** - Molecular Genetics and Physiology (4.00) **PSYCH 002** - Biological Psychology (3.00) **BIOLOGY 003** - Introduction to Biology (4.00) **ANATOMY 001** - Introduction to Human Anatomy (4.00) **BIOLOGY 102** - Molecular Cell Biology and Evolution (4.00) **BIOLOGY 006** - GENERAL BIOLOGY I (5.00) **BIOLOGY 007** - GENERAL BIOLOGY II (5.00)

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PHYS 200 - General Physics I (4.00)	←	**PHYSICS 037** - 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)

- *Content credit only*
- *Lower division credit only*

← **CS 131** - Discrete Structure for Computer Science (3.00)

- *Course is an approved substitute for Computer Science majors only*
- *Course is an approved substitute for Information Technology majors only*

END OF AGREEMENT