Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

To: California State University, Channel Islands 2022-2023 General Catalog, Semester	From: Diablo Valley 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)	←	**COMSC 200** - Object Oriented Programming C++ (4.00)
COMP 151 - Data Structures and Program Design (4.00)	←	**COMSC 210** - Program Design and Data Structures (4.00)
COMP 162 - Computer Architecture and Assembly Language (3.00)	←	**COMSC 260** - Assembly Language Programming/Computer Organization (4.00)
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 192** - Analytic Geometry and Calculus I (5.00)
MATH 151 - Calculus II (4.00)	←	**MATH 193** - Analytic Geometry and Calculus II (5.00)

MATH 240 - Linear Algebra (3.00)	←	**MATH 194** - 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)	←	**PHYS 130** - Physics for Engineers and Scientists A: Mechanics and Wave Motion (4.00)
PHYS 201 - General Physics II (4.00)	←	**PHYS 230** - Physics for Engineers and Scientists B: Heat and Electro-Magnetism (4.00)

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CSU GE Area: B2 - Life Science • *Maximum credit, one course*	←	**ANTHR 115** - Primate Evolution and Adaptation (3.00) **BIOSC 116** - Human Biology (3.00) **BIOSC 101** - Fundamentals of Biological Science (3.00) **ANTHR 140** - Biological Anthropology (3.00) **BIOSC 161** - Fundamentals of Marine Biology (3.00) **BIOSC 162** - Fundamentals of Marine Biology with Laboratory (4.00) **BIOSC 146** - Principles of Microbiology (5.00) **BIOSC 130** - Principles of Cellular and Molecular Biology (5.00) **BIOSC 120** - Introduction to Human Anatomy and Physiology (5.00) **BIOSC 119** - Fundamentals of Microbiology (4.00) **BIOSC 126** - Ecology and Field Biology (4.00) **BIOSC 102** - Fundamentals of Biological Science with Laboratory (4.00) **BIOSC 171** - Environmental Science with Laboratory (4.00) **BIOSC 107** - Genetics and Evolution (4.00) **BIOSC 140** - Human Physiology (5.00) **BIOSC 131** - Principles of Organismal Biology, Evolution, and Ecology (5.00) **BIOSC 139** - Human Anatomy (5.00) **BIOSC 170** - Environmental Science (3.00) **BIOSC 117** - Human Biology with Laboratory (4.00)

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PHYS 200 - General Physics I (4.00)	←	**PHYS 130** - Physics for Engineers and Scientists A: Mechanics and Wave Motion (4.00)
BIOL 200 - Principles of Organismal and Population Biology (4.00)	←	**BIOSC 131** - Principles of Organismal Biology, Evolution, and Ecology (5.00)
BIOL 212 - Neurobiology and Cognitive Science (3.00) Same-As: PSY 212	←	**PSYCH 130** - Introduction to Biological Psychology (3.00)

UPPER DIVISION REQUIREMENTS

MATH 300 - Discrete Mathematics (3.00) • *Content credit only* • *Lower division credit only*	←	**COMSC 230** - Discrete Mathematical Structures 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