Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

To: California State University, Channel Islands 2022-2023 General Catalog, Semester	From: Mount San Antonio 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)	←	**CSCI 140** - C++ Language and Object Development (4.00)
		--- Or ---
		CSCI 145 - JAVA Language and Object Oriented Programming (4.00)
		--- Or ---
		CSCI 220 - Data Structures I (3.50)
COMP 151 - Data Structures and Program Design (4.00)	←	**CSCI 220** - Data Structures I (3.50)
		--- And ---
		CSCI 230 - Data Structures II (3.50)
COMP 162 - Computer Architecture and Assembly Language (3.00)	←	**CSCI 150** - Assembly Language/Machine Architecture (3.50)
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 180** - Calculus and Analytic Geometry (4.00)
MATH 151 - Calculus II (4.00)	←	**MATH 181** - Calculus and Analytic Geometry (4.00)

MATH 240 - Linear Algebra (3.00)	←	**MATH 260** - 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 4A** - Engineering Physics (5.00)
PHYS 201 - General Physics II (4.00)	←	**PHYS 4B** - Engineering Physics (5.00)

--- And ---

CSU GE Area: B2 - Life Science

- *Maximum credit, one course*

← **AGOR 1** - Horticultural Science (3.00)
ANTH 1 - Biological Anthropology (3.00)
BIOL 6 - Humans and the Environment (3.00)
BIOL 17 - Neurobiology and Behavior (3.00)
BIOL 20 - Marine Biology (3.00)
ANTH 1H - Biological Anthropology - Honors (3.00)
BIOL 25 - Conservation Biology (3.00)
BIOL 34 - Fundamentals of Genetics (3.00)
BIOL 3 - Ecology and Field Biology (4.00)
ANAT 10B - Introductory Human Physiology (4.00)
ANAT 10A - Introductory Human Anatomy (4.00)
BIOL 2 - Plant and Animal Biology (4.00)
BIOL 4H - Biology for Majors - Honors (4.00)
ANAT 36 - Human Physiology (5.00)
MICR 1 - Principles of Microbiology (5.00)
ANAT 35 - Human Anatomy (5.00)
PSYC 1B - Biological Psychology (3.00)
BIOL 1 - General Biology (4.00)
MICR 22 - Microbiology (4.00)
BIOL 4 - Biology for Majors (4.00)
BIOL 8 - Cell and Molecular Biology (4.00)
ZOOL 3 - Fundamentals of Zoology (5.00)

--- Or ---

PHYS 200 - General Physics I (4.00)	←	**PHYS 4A** - Engineering Physics (5.00)
BIOL 200 - Principles of Organismal and Population Biology (4.00)	←	**BIOL 2** - Plant and Animal Biology (4.00)
BIOL 212 - Neurobiology and Cognitive Science (3.00) Same-As: PSY 212	←	**PSYC 1B** - Biological Psychology (3.00)

UPPER DIVISION REQUIREMENTS

MATH 300 - Discrete Mathematics (3.00)

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

← **CSCI 190** - Discrete Mathematics Applied to Computer Science (4.00)

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

END OF AGREEMENT