Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

To: California State University, Channel Islands	From: San Jose City College
2022-2023 General Catalog, Semester	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)	←	**CIS 054** - C/C++ Programming (3.00)
		--- Or ---
		CIS 084 - Java Programming (3.00)
COMP 151 - Data Structures and Program Design (4.00)	←	No Comparable Course
COMP 162 - Computer Architecture and Assembly Language (3.00)	←	**CIS 087** - Computer Systems, 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 071** - Calculus I with Analytic Geometry (5.00)
		--- Or ---
		MATH 071H - Honors Calculus I with Analytic Geometry (5.00)
MATH 151 - Calculus II (4.00)	←	**MATH 072** - Calculus II with Analytic Geometry (5.00)

MATH 240 - Linear Algebra (3.00)	←	**MATH 079** - 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 004A** - General Physics (5.00)
PHYS 201 - General Physics II (4.00)	←	**PHYS 004B** - General Physics (5.00)

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CSU GE Area: B2 - Life Science • *Maximum credit, one course*	←	**BIOL 063** - Ecology (3.00) **BIOL 061** - Human Heredity (3.00) **PSYCH 031** - Biological Psychology (3.00) **BIOL 020** - Human Biology (4.00) **BIOL 072** - Human Physiology (5.00) **BIOL 021** - General Biology (4.00) **BIOL 074** - General Microbiology (5.00) **BIOL 004B** - Biodiversity and Organismal Biology (5.00) **OCEAN 010** - Descriptive Oceanography (3.00) **ANTH 062** - Introduction to Physical Anthropology (3.00) **ENVIR 010** - Environmental Science (4.00) **BIOL 064** - Marine Biology (4.00) **BIOL 71** - Human Anatomy (5.00) **BIOL 004A** - General Principles and Cell Biology (5.00) **BIOL 062** - Plants and Human Welfare (3.00)

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PHYS 200 - General Physics I (4.00)	←	**PHYS 004A** - General Physics (5.00)
BIOL 200 - Principles of Organismal and Population Biology (4.00)	←	**BIOL 004B** - Biodiversity and Organismal Biology (5.00)
BIOL 212 - Neurobiology and Cognitive Science (3.00) Same-As: PSY 212	←	**PSYCH 031** - Biological Psychology (3.00)

UPPER DIVISION REQUIREMENTS

MATH 300 - Discrete Mathematics (3.00)

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

← **MATH 080** - Discrete 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