Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

To: California State University, Channel Islands 2022-2023 General Catalog, Semester	From: Canada 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)	←	**CIS 250** - Introduction to Object Oriented Programming-C++ (3.00)
		--- Or ---
		CIS 284 - Introduction to Object Oriented Programming-Java (3.00)
COMP 151 - Data Structures and Program Design (4.00)	←	**CIS 252** - Introduction to Data Structures-C++ (3.00)
		--- Or ---
		CIS 286 - Introduction to Data Structures-Java (3.00)
COMP 162 - Computer Architecture and Assembly Language (3.00)	←	**CIS 242** - Computer Architecture and Assembly Language (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 251** - Analytical Geometry and Calculus I (5.00)
MATH 151 - Calculus II (4.00)	←	**MATH 252** - Analytical Geometry and 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)	←	**PHYS 250** - Physics with Calculus I (4.00)
PHYS 201 - General Physics II (4.00)	←	**PHYS 260** - Physics with Calculus II (4.00)

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CSU GE Area: B2 - Life Science • *Maximum credit, one course*	←	**ANTH 125** - Biological Anthropology (3.00) **BIOL 130** - Human Biology (3.00) **ENVS 115** - Environmental Science (3.00) **BIOL 260** - Human Physiology (5.00) **BIOL 110** - Principles of Biology (4.00) **GEOL 121** - Earth Science (4.00) **BIOL 230** - Cell and Molecular Biology (5.00) **BIOL 100** - Introduction to the Life Sciences (3.00) **OCEN 100** - Oceanography (3.00) **BIOL 240** - General Microbiology (4.00) **BIOL 250** - Human Anatomy (4.00) **BIOL 225** - Biology of Organisms (5.00)

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PHYS 200 - General Physics I (4.00)	←	**PHYS 250** - Physics with Calculus I (4.00)
BIOL 200 - Principles of Organismal and Population Biology (4.00)	←	**BIOL 225** - Biology of Organisms (5.00)
BIOL 212 - Neurobiology and Cognitive Science (3.00) Same-As: PSY 212	←	No Comparable Course

UPPER DIVISION REQUIREMENTS

MATH 300 - Discrete Mathematics (3.00)

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

⟵ **CIS 262** - Discrete Mathematics 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