Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

To: California State University, Channel Islands 2022-2023 General Catalog, Semester	From: Antelope 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)	←	**CIS 111** - Introduction to Programming and Algorithms (3.00)
COMP 151 - Data Structures and Program Design (4.00)	←	**CIS 113** - Data Structures (3.00)
COMP 162 - Computer Architecture and Assembly Language (3.00)	←	**CIS 123** - Assembly Language and Computer Architecture (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 150** - Calculus and Analytic Geometry (5.00)
MATH 151 - Calculus II (4.00)	←	**MATH 160** - Calculus and Analytic Geometry (4.00)

MATH 240 - Linear Algebra (3.00)	←	**MATH 220** - Linear Algebra (4.00)

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 110** - General Physics (4.00)
PHYS 201 - General Physics II (4.00)	←	**PHYS 120** - General Physics (4.00)

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CSU GE Area: B2 - Life Science • *Maximum credit, one course*	←	**BIOL 104** - Environmental Biology (3.00) **BIOL 101** - General Biology (3.00) **ANTH 101** - Introduction to Biological Anthropology (3.00) **BIOL 202** - General Human Physiology (4.00) **BIOL 103** - Introduction to Botany (4.00) **BIOL 102** - Human Biology (4.00) **BIOL 120** - General Organismal, Ecological and Evolutionary Biology (5.00) **BIOL 201** - General Human Anatomy (4.00) **BIOL 110** - General Molecular Cell Biology (5.00) **BIOL 204** - General Microbiology (5.00) **BIOL 205** - Introduction to Biotechnology (3.00)

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PHYS 200 - General Physics I (4.00)	←	**PHYS 110** - General Physics (4.00)
BIOL 200 - Principles of Organismal and Population Biology (4.00)	←	**BIOL 120** - General Organismal, Ecological and Evolutionary Biology (5.00)
BIOL 212 - Neurobiology and Cognitive Science (3.00) Same-As: PSY 212	←	**PSY 201** - Introduction to Physiological Psychology (3.00)

UPPER DIVISION REQUIREMENTS

MATH 300 - Discrete Mathematics (3.00)

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

← **CIS 121** - Computer Mathematics (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