Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

To: California State University, Channel Islands 2022-2023 General Catalog, Semester	From: Norco 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)	←	No Comparable Course
COMP 151 - Data Structures and Program Design (4.00)	←	No Comparable Course
COMP 162 - Computer Architecture and Assembly Language (3.00)	←	**CIS 11** - Computer Architecture and Organization: Assembly (3.00) Same-As: CSC 11
		--- Or ---
		CSC 11 - Computer Architecture and Organization: Assembly (3.00) Same-As: CIS 11
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)	←	**MAT 1A** - Calculus I (4.00)
		--- Or ---
		MAT 1AH - Honors Calculus I (4.00)
MATH 151 - Calculus II (4.00)	←	**MAT 1B** - Calculus II (4.00)

MATH 240 - Linear Algebra (3.00)	←	**MAT 3** - 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)	←	**PHY 4A** - Mechanics (4.00)
PHYS 201 - General Physics II (4.00)	←	**PHY 4B** - Electricity and Magnetism (4.00)

--- And ---

CSU GE Area: B2 - Life Science • *Maximum credit, one course*	←	**BIO 10** - Life Science Principles (3.00) **BIO 19** - Environmental Science (3.00) **BIO 18** - Human Genetics (3.00) **BIO 45** - Survey of Human Anatomy & Physiology (3.00) **ANT 1** - Physical Anthropology (3.00) **ANT 1H** - Honors Physical Anthropology (3.00) **BIO 55** - Microbiology (4.00) **BIO 1** - General Biology (4.00) **BIO 1H** - Honors General Biology (4.00) **BIO 7** - Marine Biology (4.00) **BIO 8** - Principles of Ecology (4.00) **BIO 61** - Introduction to Organismal and Population Biology (5.00) **BIO 60** - Introduction to Molecular and Cellular Biology (5.00) **PSY 2** - Biological Psychology (3.00) **BIO 50A** - Anatomy and Physiology I (4.00) **BIO 50B** - Anatomy and Physiology II (4.00) **BIO 4** - Human Biology (4.00) **BIO 5** - General Botany (4.00) **BIO 3** - Field Botany (4.00) **BIO 21** - California Naturalist (3.00)

--- Or ---

PHYS 200 - General Physics I (4.00)	←	**PHY 4A** - Mechanics (4.00)
BIOL 200 - Principles of Organismal and Population Biology (4.00)	←	**BIO 61** - Introduction to Organismal and Population Biology (5.00)
BIOL 212 - Neurobiology and Cognitive Science (3.00) Same-As: PSY 212	←	**PSY 2** - Biological Psychology (3.00)

UPPER DIVISION REQUIREMENTS

MATH 300 - Discrete Mathematics (3.00)

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

← **CIS 7** - Discrete Structures (3.00)
  Same-As: CSC 7

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

--- Or ---

CSC 7 - Discrete Structures (3.00)
  Same-As: CIS 7

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

END OF AGREEMENT