

# Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

To: California State University, Channel Islands  
2022-2023 General Catalog, Semester

From: Shasta College  
2022-2023 General Catalog, Semester

## Computer Science, B.S.

### GENERAL INFORMATION

- 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

<b>COMP 150</b> - Object-oriented Programming (4.00)	←	<b>CIS 61</b> - C++ Language Programming (3.00) --- Or --- <b>CIS 62</b> - Java Programming (3.00)
<b>COMP 151</b> - Data Structures and Program Design (4.00)	←	<b>CIS 65</b> - Programming Concepts and Methodology Using C++ II (3.00)
<b>COMP 162</b> - Computer Architecture and Assembly Language (3.00)	←	<b>CIS 66</b> - Computer Architecture and Organization (3.00)
<b>COMP 232</b> - Programming Languages (3.00)	←	No Comparable Course
<b>COMP 262</b> - Computer Organization and Architecture (3.00)	←	No Comparable Course
<b>MATH 150</b> - Calculus I (4.00)	←	<b>MATH 3A</b> - Calculus (4.00)
<b>MATH 151</b> - Calculus II (4.00)	←	<b>MATH 3B</b> - Calculus (5.00)
<b>MATH 240</b> - Linear Algebra (3.00)	←	<b>MATH 6</b> - Linear Algebra (3.00)

### SCIENCE

Select 1 Sequence(s) from the following

Please refer to additional important General Information section above

<b>PHYS 200</b> - General Physics I (4.00)	←	<b>PHYS 4A</b> - Physics - Mechanics (4.00)
<b>PHYS 201</b> - General Physics II (4.00)	←	<b>PHYS 4B</b> - Physics - Electricity and Magnetism (4.00)
--- And ---		
<b>CSU GE Area: B2</b> - Life Science • Maximum credit, one course	←	<b>BIOL 10</b> - General Biology (3.00) <b>AGNR 60</b> - Environmental Science (3.00) <b>BIOL 5</b> - Introduction to Human Biology (3.00) <b>AGEH 33</b> - Environmental Horticulture (3.00) <b>NHIS 15</b> - Natural History of California (3.00) <b>ANTH 1</b> - Physical Anthropology (3.00) <b>BIOL 11</b> - Diversity of Life (3.00) <b>NHIS 5</b> - Natural History of the Neotropics (3.00) <b>ZOOL 1</b> - General Zoology (4.00) <b>AGAS 19</b> - Principles of Animal Science (3.00) <b>ESCI 6</b> - Ancient Life (4.00) <b>BIOL 12</b> - Field Biology (3.00) <b>BOT 1</b> - General Botany (4.00) <b>AGPS 20</b> - Plant Science (4.00) <b>ANAT 1</b> - Human Anatomy (5.00) <b>PHY 1</b> - Physiology (5.00) <b>BIOL 10H</b> - General Biology - Honors (3.00) <b>BIOL 1</b> - Principles of Biology (4.00) <b>MICR 1</b> - Microbiology (5.00) <b>BOT 15</b> - Plants and People (3.00)
--- Or ---		
<b>PHYS 200</b> - General Physics I (4.00)	←	<b>PHYS 4A</b> - Physics - Mechanics (4.00)
<b>BIOL 200</b> - Principles of Organismal and Population Biology (4.00)	←	No Comparable Course

**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 67** - Discrete Structures (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**