

# Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

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

From: Fresno City 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>CSCI 40</b> - Programming Concepts and Methodology I (4.00)
<b>COMP 151</b> - Data Structures and Program Design (4.00)	←	<b>CSCI 41</b> - Programming Concepts and Methodology II (4.00)
<b>COMP 162</b> - Computer Architecture and Assembly Language (3.00)	←	<b>CSCI 45</b> - Computer Architecture and Organization (4.00)
<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 5A</b> - Mathematical Analysis I (5.00)
<b>MATH 151</b> - Calculus II (4.00)	←	<b>MATH 5B</b> - Mathematical Analysis II (4.00)

<b>MATH 240</b> - Linear Algebra (3.00)	←	<b>MATH 26</b> - Elementary Linear Algebra (3.00)
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### 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 for Scientists and Engineers (4.00)
<b>PHYS 201</b> - General Physics II (4.00)	←	<b>PHYS 4B</b> - Physics for Scientists and Engineers (4.00)

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<b>CSU GE Area: B2</b> - Life Science <ul style="list-style-type: none"><li>Maximum credit, one course</li></ul>	←	<b>ANTHRO 1</b> - Biological Anthropology (3.00) <b>BIOL 7</b> - Field Biology (5.00) <b>BIOL 3</b> - Introduction to Life Science (4.00) <b>BIOL 5</b> - Human Biology (4.00) <b>BIOL 31</b> - Microbiology (5.00) <b>BIOL 6</b> - Principles of Botany (5.00) <b>BIOL 21B</b> - Human Anatomy & Physiology II (5.00) <b>BIOL 22</b> - Human Physiology (5.00) <b>BIOL 4</b> - Principles of Zoology (5.00) <b>BIOL 11A</b> - Biology for Science Majors I (5.00) <b>BIOL 20</b> - Human Anatomy (4.00) <b>BIOL 21A</b> - Human Anatomy & Physiology I (4.00) <b>BIOL 11B</b> - Biology for Science Majors II (5.00) <b>BIOL 14</b> - Conservation Biology (3.00) <b>BIOL 55</b> - Introduction to the Biology of Humans (3.00)
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<b>PHYS 200</b> - General Physics I (4.00)	←	<b>PHYS 4A</b> - Physics for Scientists and Engineers (4.00)
<b>BIOL 200</b> - Principles of Organismal and Population Biology (4.00)	←	

**BIOL 4** - Principles of Zoology (5.00)

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**BIOL 6** - Principles of Botany (5.00)

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**BIOL 11B** - Biology for Science Majors II (5.00)

**BIOL 212** - Neurobiology and Cognitive Science (3.00)  
Same-As: PSY 212

← **PSY 36** - Biological Psychology (3.00)

#### UPPER DIVISION REQUIREMENTS

**MATH 300** - Discrete Mathematics (3.00)

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

← **CSCI 26** - Discrete Mathematics for Computer Science (4.00)

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

**END OF AGREEMENT**