

# Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

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

From: Sierra 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)	←	No Comparable Course
<b>COMP 151</b> - Data Structures and Program Design (4.00)	←	No Comparable Course
<b>COMP 162</b> - Computer Architecture and Assembly Language (3.00)	←	<b>CSCI 39</b> - Introduction to Computer Architecture and Assembly Language (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 30</b> - Analytical Geometry and Calculus I (4.00)
<b>MATH 151</b> - Calculus II (4.00)	←	<b>MATH 31</b> - Analytical Geometry and Calculus II (4.00)

  

<b>MATH 240</b> - Linear Algebra (3.00)	←	No Comparable Course
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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 205</b> - Principles of Physics: Mechanics (4.00) --- And --- <b>PHYS 205L</b> - Principles of Physics Laboratory: Mechanics (1.00)
<b>PHYS 201</b> - General Physics II (4.00)	←	<b>PHYS 210</b> - Principles of Physics: Electricity and Magnetism (3.00) --- And --- <b>PHYS 210L</b> - Principles of Physics Laboratory: Electricity and Magnetism (1.00)

--- And ---

**CSU GE Area: B2 - Life Science**

- *Maximum credit, one course*



**BIOL 30** - Introduction to Ornithology (3.00)  
**BIOL 56** - Biology: A Human Perspective (3.00)  
**BIOL 55** - General Human Anatomy and Physiology (4.00)  
**PSYC 140** - Introduction to Biopsychology (3.00)  
**BIOL 15** - Marine Biology (4.00)  
**BIOL 10** - Introduction to Biology (3.00)  
**ANTH 10** - Introduction to Forensic Anthropology (3.00)  
**ESS 10** - Conservation of Natural Resources (3.00)  
**ESS 1** - Introduction to Environmental Sciences and Sustainability (3.00)  
**BIOL 5** - Human Anatomy (5.00)  
**BIOL 2** - Botany (4.50)  
**BIOL 6** - Human Physiology (5.00)  
**BIOL 33** - Introduction to Zoology (4.00)  
**BIOL 14** - Natural History, Ecology and Conservation (4.00)  
Same-As: ESS 14  
**BIOL 3** - General Zoology (4.50)  
**BIOL 1** - General Biology (4.00)  
**AGRI 200** - Introduction to Animal Science (4.00)  
**AGRI 156** - Introduction to Plant Science (4.00)  
Same-As: BIOL 21  
**BIOL 4** - Microbiology (5.00)  
**BIOL 35** - Introduction to Entomology (3.00)  
**BIOL 36** - Introduction to Mammalogy (3.00)  
**ANTH 1** - Biological Anthropology (3.00)  
**BIOL 11** - Concepts of Biology (4.00)  
**ESS 8** - California Water (4.00)

--- Or ---

**PHYS 200** - General Physics I (4.00)



**PHYS 205** - Principles of Physics: Mechanics (4.00)

--- And ---

**PHYS 205L** - Principles of Physics Laboratory: Mechanics (1.00)

**BIOL 200** - Principles of Organismal and Population Biology (4.00)



**BIOL 2** - Botany (4.50)

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**BIOL 3** - General Zoology (4.50)

**BIOL 212** - Neurobiology and Cognitive Science (3.00)

Same-As: PSY 212



**PSYC 140** - Introduction to Biopsychology (3.00)

**UPPER DIVISION REQUIREMENTS**

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

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



**CSCI 26** - Discrete Structures 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**