

Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

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

From: Orange Coast 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

COMP 150 - Object-oriented Programming (4.00)	←	CS A170 - Java Programming 1 (4.00)
COMP 151 - Data Structures and Program Design (4.00)	←	CS A200 - Data Structures (4.00)
COMP 162 - Computer Architecture and Assembly Language (3.00)	←	CS A216 - Computer Architecture (4.00)
COMP 232 - Programming Languages (3.00)	←	No Comparable Course
COMP 262 - Computer Organization and Architecture (3.00)	←	CS A216 - Computer Architecture (4.00)

MATH 150 - Calculus I (4.00)	←	MATH A180 - Calculus 1 (4.00) --- Or --- MATH A180H - Honors Calculus 1 (4.00)
MATH 151 - Calculus II (4.00)	←	MATH A185 - Calculus 2 (4.00) --- Or --- MATH A185H - Honors Calculus 2 (4.00)

MATH 240 - Linear Algebra (3.00)	←	MATH A235 - Applied 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

PHYS 200 - General Physics I (4.00)	←	PHYS A185 - Calculus-Based Physics: Mechanics (4.00) --- Or --- PHYS A185H - Calculus-Based Physics: Mechanics Honors (4.00)
PHYS 201 - General Physics II (4.00)	←	PHYS A280 - Calculus-Based Physics: Electricity/Magnetism (4.00)

--- And ---

CSU GE Area: B2 - Life Science

- *Maximum credit, one course*



MRSC A180 - Marine Biology (3.00)
BIOL A182 - Zoology (3.00)
BIOL A183 - Botany (3.00)
MRSC A187 - Marine Mammals (3.00)
HORT A100 - Horticultural Science (3.00)
ANTH A185 - Physical Anthropology (3.00)
ESEC A100 - Introduction to Environmental Science (3.00)
MRSC A100 - Oceanography (3.00)
PSYC A250 - Psychobiology (3.00)
BIOL A100 - Introduction to Biology (4.00)
BIOL A125 - Human Biology (3.00)
BIOL A101 - The Biology of Cooking (4.00)
BIOL A180 - Introduction to Biology for Majors 1: Cell and Molecular Biology (4.00)
BIOL A115 - Introduction to the Biology of Animals (3.00)
BIOL A283 - Genetics (4.00)
ANTH A185H - Physical Anthropology Honors (3.00)
BIOL A210 - General Microbiology (5.00)
BIOL A185 - Introduction to Biology for Majors 2: Ecology, Evolution, Diversity, and Physiology (5.00)
BIOL A225 - Human Physiology (5.00)
BIOL A100H - Principles of Biology Honors (4.00)
BIOL A221 - Introduction to Anatomy & Physiology (4.00)
BIOL A220 - Human Anatomy (5.00)
MRSC A100H - Honors Oceanography (3.00)
ESEC A101 - Principles of Ecology (3.00)
BIOL A182H - Zoology Honors (3.00)
ESEC A100H - Introduction to Environmental Science Honors (3.00)

--- Or ---

PHYS 200 - General Physics I (4.00)



PHYS A185 - Calculus-Based Physics: Mechanics (4.00)

--- Or ---

PHYS A185H - Calculus-Based Physics: Mechanics Honors (4.00)

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



BIOL A182 - Zoology (3.00)

--- Or ---

BIOL A182H - Zoology Honors (3.00)

--- And ---

BIOL A182L - Zoology Laboratory (1.00)

--- And ---

BIOL A183 - Botany (3.00)

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BIOL A183L - Botany Laboratory (1.00)

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



PSYC A250 - Psychobiology (3.00)

UPPER DIVISION REQUIREMENTS

MATH 300 - Discrete Mathematics (3.00)

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



CS A262 - 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