

Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

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

From: Saddleback 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 1C - Introduction to Computer Science III (3.50)
COMP 151 - Data Structures and Program Design (4.00)	←	CS 1D - Data Structures (3.50)
COMP 162 - Computer Architecture and Assembly Language (3.00)	←	CS 3A - Computer Organization and Machine Language (3.50) --- Or --- CS 3B - Computer Organization and Assembly Language (3.50)
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)	←	MATH 3A - Analytic Geometry and Calculus (5.00) --- Or --- MATH 3AH - Honors Analytic Geometry and Calculus (5.00)
MATH 151 - Calculus II (4.00)	←	MATH 3B - Analytic Geometry and Calculus (5.00)

MATH 240 - Linear Algebra (3.00)	←	MATH 26 - Introduction to Linear Algebra (4.00)
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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 4A - General Physics (5.00)
PHYS 201 - General Physics II (4.00)	←	PHYS 4B - General Physics (5.00)

--- And ---

CSU GE Area: B2 - Life Science	←	BIO 22 - Human Genetics (3.00)
• Maximum credit, one course		ENV 24 - Natural History of California (4.00)
		BIO 43 - Animal Behavior (3.00)
		BIO 28 - Plants and Human Affairs (3.00)
		HORT 20 - Introduction to Horticultural Science (4.00)
		BIO 20 - Introduction to Biology (4.00)
		BIO 19 - Marine Biology (4.00)
		BIO 30 - Human Biology (3.00)
		BIO 12 - Human Physiology (4.00)
		PSYC 3 - Biological Psychology (4.00)
		BIO 4A - Principles of Cellular Biology (4.00)
		BIO 4B - Principles of Organismal Biology (4.00)
		BIO 3C - Biochemistry and Molecular Biology (5.00)
		BIO 11 - Human Anatomy (4.00)
		BIO 3AH - Honors General Biology I (5.00)
		BIO 113 - Human Anatomy and Physiology (4.00)
		BIO 3BH - Honors General Biology II (5.00)
		BIO 40 - Evolution (3.00)
		ANTH 1 - Biological Anthropology (3.00)
		ANTH 1H - Honors Biological Anthropology (3.00)
		ENV 18 - Introduction to Ecology (4.00)
		BIO 31 - Biology of Plants (4.00)
		BIO 15 - General Microbiology (5.00)
		ENV 5 - Biodiversity Conservation (3.00)

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PHYS 200 - General Physics I (4.00)



PHYS 4A - General Physics (5.00)

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



BIO 3BH - Honors General Biology II (5.00)

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BIO 4B - Principles of Organismal Biology (4.00)

BIOL 212 - Neurobiology and Cognitive Science (3.00)



PSYC 3 - Biological Psychology (4.00)

Same-As: PSY 212

UPPER DIVISION REQUIREMENTS

MATH 300 - Discrete Mathematics (3.00)

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



CS 30A - Computer Discrete Mathematics I (3.00)

Same-As: MATH 30A

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

--- Or ---

MATH 30A - Computer Discrete Mathematics I (3.00)

Same-As: CS 30A

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

END OF AGREEMENT