

Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

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

From: Santa Ana 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)	←	No Comparable Course
COMP 151 - Data Structures and Program Design (4.00)	←	No Comparable Course
COMP 162 - Computer Architecture and Assembly Language (3.00)	←	CMPR 129 - Introduction to Computer Organization (4.00)
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 180 - Single Variable Calculus I (4.00)
MATH 151 - Calculus II (4.00)	←	MATH 185 - Single Variable Calculus II (4.00)

MATH 240 - Linear Algebra (3.00)	←	No Comparable Course
---	---	----------------------

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 210 - Principles of Physics I (4.00)
		--- Or ---
		PHYS 217 - Engineering Physics I (4.00)
PHYS 201 - General Physics II (4.00)	←	PHYS 227 - Engineering Physics II (4.00)

--- And ---

CSU GE Area: B2 - Life Science	←	ANTH 101 - Introduction to Physical Anthropology (3.00)
• <i>Maximum credit, one course</i>		PSYC 200 - Introduction to Biological Psychology (3.00)
		BIOL 109 - Fundamentals of Biology (3.00)
		BIOL 177 - Human Genetics (3.00)
		BIOL 239 - General Human Anatomy (4.00)
		BIOL 259 - Environmental Biology (4.00)
		Same-As: ENVR 259
		BIOL 149 - Human Anatomy & Physiology (4.00)
		BIOL 139 - Health Microbiology (4.00)
		BIOL 249 - Human Physiology (4.00)
		BIOL 214 - Plant Diversity and Evolution (5.00)
		BIOL 115 - Concepts in Biology for Educators (4.00)
		BIOL 111 - Marine Biology (4.00)
		BIOL 229 - General Microbiology (5.00)
		BIOL 109H - Honors Fundamentals of Biology (3.00)
		BIOL 190 - Introduction to Biotechnology (3.00)
		BIOL 212 - Animal Diversity and Ecology (5.00)
		BIOL 211 - Cellular and Molecular Biology (5.00)

--- Or ---

PHYS 200 - General Physics I (4.00)	←	PHYS 210 - Principles of Physics I (4.00)
		--- Or ---
		PHYS 217 - Engineering Physics I (4.00)

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



BIOL 212 - Animal Diversity and Ecology (5.00)

--- And ---

BIOL 214 - Plant Diversity and Evolution (5.00)

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



PSYC 200 - Introduction to Biological Psychology (3.00)

UPPER DIVISION REQUIREMENTS

MATH 300 - Discrete Mathematics (3.00)

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



CMPR 140 - 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