

Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

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

From: El Camino College
2022-2023 General Catalog, Semester

Computer Science, B.S.

GENERAL INFORMATION

1. **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)	←	COMP SCI 1 - Problem Solving and Program Design Using C++ (4.00)
COMP 151 - Data Structures and Program Design (4.00)	←	COMP SCI 2 - Introduction to Data Structures (5.00)
COMP 162 - Computer Architecture and Assembly Language (3.00)	←	COMP SCI 16 - Assembly Language Programming for the x86 (IBM PC) Processors (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 190 - Single Variable Calculus and Analytic Geometry I (5.00)
MATH 151 - Calculus II (4.00)	←	MATH 191 - Single Variable Calculus and Analytic Geometry II (5.00)
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 1A - Mechanics of Solids (4.00)
PHYS 201 - General Physics II (4.00)	←	PHYS 1C - Electricity and Magnetism (4.00)
--- And ---		
CSU GE Area: B2 - Life Science	←	BIOL 15 - Environmental Aspects of Biology (3.00)
• <i>Maximum credit, one course</i>		BIOL 130 - Fundamentals of Molecular Biology (3.00)
		PSYCH 107 - Physiological Psychology (3.00)
		BIOL 11 - Fundamentals of Zoology (4.00)
		BIOL 12 - Field Zoology (4.00)
		ANATOMY 32 - General Human Anatomy (4.00)
		ANATOMY 30 - Essentials of Anatomy and Physiology (4.00)
		BIOL 16 - Field Entomology (4.00)
		BIOL 120 - Ecology Evolution, Diversity, and Physiology (5.00)
		BIOL 17 - Marine Biology (3.00)
		BIOL 10H - Honors Fundamentals of Biology (4.00)
		A/PHYSIO 34A - Anatomy and Physiology I (4.00)
		A/PHYSIO 34B - Anatomy and Physiology II (4.00)
		ANTH 1 - Introduction to Biological Anthropology (3.00)
		BIOL 10 - Fundamentals of Biology (4.00)
		PHYSIO 31 - Human Physiology (4.00)
		BIOL 8 - Biology of Plants (4.00)
		MICRO 33 - General Microbiology (5.00)
		BIOL 110 - Cell and Molecular Biology (5.00)
		BIOL 120H - Honors Ecology, Evolution, Diversity, and Physiology (5.00)
		BIOL 110H - Honors Cell and Molecular Biology (5.00)
		ANTH 1H - Honors Introduction to Biological Anthropology (3.00)
--- Or ---		

PHYS 200 - General Physics I (4.00)	← PHYS 1A - Mechanics of Solids (4.00)
BIOL 200 - Principles of Organismal and Population Biology (4.00)	← BIOL 110 - Cell and Molecular Biology (5.00)
	--- Or ---
	BIOL 110H - Honors Cell and Molecular Biology (5.00)
	--- And ---
	BIOL 120 - Ecology Evolution, Diversity, and Physiology (5.00)
	--- Or ---
	BIOL 120H - Honors Ecology, Evolution, Diversity, and Physiology (5.00)
BIOL 212 - Neurobiology and Cognitive Science (3.00) Same-As: PSY 212	← PSYCH 107 - Physiological Psychology (3.00)

UPPER DIVISION REQUIREMENTS

MATH 300 - Discrete Mathematics (3.00)	← MATH 210 - Introduction to Discrete Structures (5.00)
<ul style="list-style-type: none"> Content credit only Lower division credit only 	<ul style="list-style-type: none"> Course is an approved substitute for Computer Science majors only Course is an approved substitute for Information Technology majors only

END OF AGREEMENT