Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

To: California State University, Channel Islands 2022-2023 General Catalog, Semester	From: Southwestern 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)	←	**CIS 115** - Introduction to Programming Using C++ (4.00)
		--- Or ---
		MATH 130 - Introduction to Computer Programming (4.00)
COMP 151 - Data Structures and Program Design (4.00)	←	**MATH 140** - Data Structures and Algorithms (4.00)
COMP 162 - Computer Architecture and Assembly Language (3.00)	←	**MATH 230** - Computer Organization and Architecture (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 250** - Analytic Geometry and Calculus I (5.00)
MATH 151 - Calculus II (4.00)	←	**MATH 251** - Analytic Geometry and Calculus II (4.00)

MATH 240 - Linear Algebra (3.00)	←	**MATH 254** - Introduction to Linear Algebra (3.00)

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 270** - Principles of Physics I (3.00)
		--- And ---
		PHYS 271 - Principles of Physics Laboratory I (1.00)
PHYS 201 - General Physics II (4.00)	←	**PHYS 272** - Principles of Physics II (3.00)
		--- And ---
		PHYS 273 - Principles of Physics Laboratory II (1.00)

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CSU GE Area: B2 - Life Science • *Maximum credit, one course*	←	**BIOL 140** - Environmental Biology (3.00) **ANTH 101** - Biological Anthropology (3.00) **BIOL 180** - Human Heredity, Evolution and Society (3.00) **BIOL 160** - Marine Biology (3.00) **BIOL 145** - EcoMundo: Ecology and Environmental Science (3.00) **BIOL 151** - The Science of Brewing Beer (3.00) Same-As: CHEM 151 **BIOL 260** - Human Anatomy (4.00) **BIOL 150** - Natural History of Plants and Animals (4.00) **BIOL 210** - General Zoology (4.00) **BIOL 130** - Animal Biology: A Behavioral Approach (3.00) **BIOL 100** - Principles of Biology (3.00) **BIOL 185** - Biology of Alcohol and Other Drugs (3.00) **BIOL 190** - Human Anatomy and Physiology (4.00) **BIOL 261** - Principles of Human Physiology (4.00) **BIOL 212** - Biology of Plants (4.00) **BIOL 211** - Introduction to Cell and Molecular Biology (4.00) **BIOL 265** - General Microbiology (4.00)

PHYS 200 - General Physics I (4.00)	←	**PHYS 270** - Principles of Physics I (3.00) **--- And ---** **PHYS 271** - Principles of Physics Laboratory I (1.00)
BIOL 200 - Principles of Organismal and Population Biology (4.00)	←	No Comparable Course
BIOL 212 - Neurobiology and Cognitive Science (3.00) Same-As: PSY 212	←	**PSYC 260** - Introduction to Physiological Psychology (3.00)

UPPER DIVISION REQUIREMENTS

MATH 300 - Discrete Mathematics (3.00) • *Content credit only* • *Lower division credit only*	←	**MATH 265** - 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