

Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

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

From: City College of San Francisco
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 110B - Programming Fundamentals: C++ (4.00) --- Or --- CS 111B - Programming Fundamentals: Java (4.00)
COMP 151 - Data Structures and Program Design (4.00)	←	CS 110C - Data Structures and Algorithms: C++ (4.00) --- Or --- CS 111C - Data Structures and Algorithms: Java (4.00)
COMP 162 - Computer Architecture and Assembly Language (3.00)	←	CS 270 - Computer Architecture with Assembly Language (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 110A - Calculus I (5.00)
MATH 151 - Calculus II (4.00)	←	MATH 110B - Calculus II (5.00)

MATH 240 - Linear Algebra (3.00)	←	MATH 120 - 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)	←	PHYC 4A - Classical Mechanics for Scientists and Engineers (3.00) --- And --- PHYC 4AL - Mechanics Laboratory for Scientists and Engineers (1.00)
PHYS 201 - General Physics II (4.00)	←	PHYC 4B - Electromagnetism for Scientists and Engineers (3.00) --- And --- PHYC 4BL - Electromagnetism Laboratory for Scientists and Engineers (1.00)

--- And ---

CSU GE Area: B2 - Life Science

- *Maximum credit, one course*



BIO 15 - The Biology of HIV (3.00)
BIO 53 - Human Genetics (3.00)
PSYC 1B - Biological Psychology (3.00)
BIO 134 - Introduction to Nutrition for Health Sciences (3.00)
BIO 51 - Introduction to Genetics (3.00)
BIO 40 - Plants and Animals of California (3.00)
BIO 32 - Marine Biology (3.00)
ENVS 31 - Introduction to Environmental Science (3.00)
BIO 114 - Exploring Neuroscience: An Introduction to the Brain (3.00)
ASTR 4 - Life in the Universe (3.00)
BIO 106 - Introduction to Human Anatomy and Physiology (4.00)
BIO 10 - Animal Biology (4.00)
BIO 20 - Introduction to Ecology (3.00)
BIO 61 - The Biology of Cancer (3.00)
EMSA 28 - Environmental Microbiology Methods (3.00)
BIO 33 - Introduction to Conservation Biology (3.00)
BIO 9 - Human Biology (4.00)
BIO 14 - Plant Ecology (4.00)
BIO 100B - General Biology (5.00)
BIO 12 - Plant Biology (4.00)
BIO 108 - General Human Anatomy (4.00)
BIO 11 - Science of Living Organisms (4.00)
BIO 100A - General Biology (5.00)
BIO 111 - Human Physiology (5.00)
ANTH 1 - Biological Anthropology (3.00)
BIO 119 - Emerging Diseases (3.00)
BIO 120 - Introduction to Microbiology (4.00)
BIO 112 - Introduction to Human Physiology (4.00)
BIO 19 - Ecology (4.00)
BIO 118 - Introduction to Entomology (4.00)
BTEC 4 - Introduction to Biotechnology (3.00)
BIO 118B - Introduction to Entomology (3.00)

--- Or ---

PHYS 200 - General Physics I (4.00)



PHYC 4A - Classical Mechanics for Scientists and Engineers (3.00)

--- And ---

PHYC 4AL - Mechanics Laboratory for Scientists and Engineers (1.00)

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



BIO 100A - General Biology (5.00)

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



PSYC 1B - Biological Psychology (3.00)

UPPER DIVISION REQUIREMENTS

MATH 300 - Discrete Mathematics (3.00)

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



MATH 115 - Discrete Mathematics (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