

Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

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

From: Foothill College
2022-2023 General Catalog, Quarter

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)	←	C S 1A - Object-Oriented Programming Methodologies in JAVA (4.50) --- Or --- C S 2A - Object-Oriented Programming Methodologies in C++ (4.50)
COMP 151 - Data Structures and Program Design (4.00)	←	C S 1B - Intermediate Software Design in JAVA (4.50) --- And --- C S 1C - Advanced Data Structures & Algorithms in JAVA (4.50) --- Or --- C S 2B - Intermediate Software Design in C++ (4.50) --- And --- C S 2C - Advanced Data Structures & Algorithms in C++ (4.50)
COMP 162 - Computer Architecture and Assembly Language (3.00)	←	C S 10 - Computer Architecture & Organization (4.50)
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 1A - Calculus (5.00) --- And --- MATH 1B - Calculus (5.00) --- Or --- MATH 1AH - Honors Calculus I (5.00) --- And --- MATH 1B - Calculus (5.00)
MATH 151 - Calculus II (4.00)	←	MATH 1B - Calculus (5.00) --- And --- MATH 1C - Calculus (5.00)

MATH 240 - Linear Algebra (3.00)	←	MATH 2B - Linear Algebra (5.00)
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SCIENCE

Select 1 Sequence(s) from the following

Please refer to additional important General Information section above

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| PHYS 200 - General Physics I (4.00) | ← | PHYS 4A - General Physics (Calculus) (6.00) |
| PHYS 201 - General Physics II (4.00) | ← | PHYS 4B - General Physics (Calculus) (6.00) |

--- And ---

CSU GE Area: B2 - Life Science

- *Maximum credit, one course*



BIOL 12 - Human Genetics (4.00)
BIOL 40B - Human Anatomy & Physiology II (5.00)
BIOL 14 - Human Biology (5.00)
BIOL 10 - General Biology: Basic Principles (5.00)
BIOL 1C - Evolution, Systematics & Ecology (6.00)
BIOL 40C - Human Anatomy & Physiology III (5.00)
BIOL 45 - Introduction to Human Nutrition (4.00)
BIOL 40A - Human Anatomy & Physiology I (5.00)
BIOL 1B - Form & Function in Plants & Animals (6.00)
BIOL 1D - Introduction to Molecular Genetics (4.00)
BIOL 9 - Environmental Biology (4.00)
BIOL 1A - Principles of Cell Biology (6.00)
ANTH 1H - Honors Introduction to Physical Anthropology (4.00)
BIOL 13 - Marine Biology (5.00)
BIOL 41 - Microbiology (6.00)
BIOL 15 - California Ecology/Natural History (5.00)
ANTH 1 - Introduction to Physical Anthropology (4.00)
BIOL 300 - Human Pathophysiology & Pharmacology (4.00)

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PHYS 200 - General Physics I (4.00)



PHYS 4A - General Physics (Calculus) (6.00)

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



BIOL 1B - Form & Function in Plants & Animals (6.00)

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BIOL 1C - Evolution, Systematics & Ecology (6.00)

BIOL 212 - Neurobiology and Cognitive Science (3.00)



PSYC 4 - Introduction to Biopsychology (5.00)

Same-As: PSY 212

UPPER DIVISION REQUIREMENTS

MATH 300 - Discrete Mathematics (3.00)

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



C S 18 - Discrete Mathematics (5.00)

Same-As: MATH 22

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

--- Or ---

MATH 22 - Discrete Mathematics (5.00)

Same-As: C S 18

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

END OF AGREEMENT