Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

To: California State University, Channel Islands 2022-2023 General Catalog, Semester	From: Gavilan 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)	←	No Comparable Course
COMP 151 - Data Structures and Program Design (4.00)	←	No Comparable Course
COMP 162 - Computer Architecture and Assembly Language (3.00)	←	**CSIS 28** - Computer Architecture and Organization (3.00)
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 1A** - Single-Variable Calculus and Analytic Geometry (4.00)
MATH 151 - Calculus II (4.00)	←	**MATH 1B** - Single-Variable Calculus and Analytic Geometry (4.00)

MATH 240 - Linear Algebra (3.00)	←	**MATH 2** - 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 4A** - Physics for Scientists and Engineers - Mechanics (4.00)
PHYS 201 - General Physics II (4.00)	←	**PHYS 4B** - Physics for Scientists and Engineers - Electricity and Magnetism (4.00)

--- And ---

CSU GE Area: B2 - Life Science • *Maximum credit, one course*	←	**ANTH 1** - Introduction to Physical Anthropology (3.00) **BIO 10** - Principles of Biology (4.00) **BIO 4** - General Zoology (4.00) **BIO 1** - Cell and Molecular Biology (5.00) **BIO 12** - Introduction to Human Biology (4.00) **BIO 9** - Human Physiology (5.00) **ECOL 1** - Conservation of Natural Resources (4.00) **AH 15** - Survey of Human Anatomy and Physiology (5.00) Same-As: BIO 15 **BIO 8** - General Microbiology (5.00) **BIO 7** - Human Anatomy (4.00) **ENVS 1** - Introduction to Environmental Science (4.00) **BIO 5** - General Botany (4.00) **BIO 13** - Marine Biology (4.00) **BIO 2** - Organismal Biology (5.00)

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PHYS 200 - General Physics I (4.00)	←	**PHYS 4A** - Physics for Scientists and Engineers - Mechanics (4.00)
BIOL 200 - Principles of Organismal and Population Biology (4.00)	←	**BIO 4** - General Zoology (4.00) --- And --- **BIO 5** - General Botany (4.00)
BIOL 212 - Neurobiology and Cognitive Science (3.00) Same-As: PSY 212	←	**PSYC 11** - Biological Psychology (3.00)

UPPER DIVISION REQUIREMENTS

MATH 300 - Discrete Mathematics (3.00)

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

← **CSIS 26** - 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