# Articulation Agreement by Major

*Effective during the 2022-2023 Academic Year*

| To: California State University, Channel Islands<br>2022-2023 General Catalog, Semester | From: MiraCosta College<br>2022-2023 General Catalog, Semester |
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## 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**

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|---|---|---|
| **COMP 150** - Object-oriented Programming (4.00) | ← | **CS 111** - Introduction to Computer Science I: Java (3.00) |
| **COMP 151** - Data Structures and Program Design (4.00) | ← | **CS 113** - Basic Data Structures and Algorithms (3.00) |
| **COMP 162** - Computer Architecture and Assembly Language (3.00) | ← | **CS 220** - Computer Architecture and Assembly Language (3.00) |
| **COMP 232** - Programming Languages (3.00) | ← | No Comparable Course |
| **COMP 262** - Computer Organization and Architecture (3.00) | ← | No Comparable Course |

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| **MATH 150** - Calculus I (4.00) | ← | **MATH 150** - Calculus and Analytic Geometry I (5.00)<br>**--- Or ---**<br>**MATH 150H** - Calculus and Analytic Geometry I (Honors) (5.00) |
| **MATH 151** - Calculus II (4.00) | ← | **MATH 155** - Calculus and Analytic Geometry II (4.00)<br>**--- Or ---**<br>**MATH 155H** - Calculus and Analytical Geometry II (Honors) (4.00) |

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| **MATH 240** - Linear Algebra (3.00) | ← | **MATH 270** - Linear Algebra (4.00) |

## 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 151** - Principles of Physics I (4.00)<br>**--- Or ---**<br>**PHYS 151H** - Principles of Physics I (Honors) (4.00) |
| **PHYS 201** - General Physics II (4.00) | ← | **PHYS 152** - Principles of Physics II (4.00)<br>**--- Or ---**<br>**PHYS 152H** - Principles of Physics II (Honors) (4.00) |

**--- And ---**

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| **CSU GE Area:** B2 - Life Science<br>• *Maximum credit, one course* | ← | **PSYC 260** - Physiological Psychology (3.00)<br>**BIO 102** - Introductory Biology: Ecology and Environmental Biology (4.00)<br>**BIO 111** - Introductory Biology: Preparation for Pre-Health Professions (Lecture) (3.00)<br>**BIO 105** - Introductory Biology: Biotechnology in Society (3.00)<br>**BIO 108** - Introductory Biology: Ecology of the Oceans (3.00)<br>**ANTH 101H** - Biological Anthropology (Honors) (3.00)<br>**ANTH 105** - Evolution of Human Behavior (3.00)<br>**NUTR 100H** - Nutrition Today (Honors) (3.00)<br>**ANTH 190** - Primate Behavior and Ecology (3.00)<br>**BIO 103** - Introductory Biology: Animal Diversity (3.00)<br>**BIO 220** - Human Physiology (4.00)<br>**NUTR 100** - Nutrition Today (3.00)<br>**HORT 116** - Plant Science (4.00)<br>**BIO 107** - Introductory Biology: Marine Biology (4.00)<br>**BIO 204** - Foundations of Biology: Biochemistry, Cell Biology, Genetics and Molecular Biology (4.00)<br>**BIO 202** - Foundations of Biology: Evolution, Biodiversity and Organismal Biology (4.00)<br>**BIO 204H** - Foundations of Biology: Biochemistry, Cell Biology, Genetics, and Molecular Biology(Honors) (4.00)<br>**BIO 230** - Introduction to Microbiology (5.00)<br>**ANTH 101** - Biological Anthropology (3.00)<br>**HORT 115** - Soil Science (3.00)<br>**BIO 104** - Introductory Biology: Botany (Plant Life) (4.00)<br>**BIO 110** - Introductory Biology: Preparation for Pre-Health Professions (Lecture and Lab) (4.00)<br>**ANTH 105H** - Evolution of Human Behavior (Honors) (3.00)<br>**ANTH 190H** - Primate Behavior and Ecology (Honors) (3.00)<br>**BIO 106** - Introductory Biology: Infectious Diseases-A Global Concern (3.00)<br>**BIO 109** - Introductory Biology: The Fundamentals of Life on Earth (4.00)<br>**BTEC 108** - Biomanufacturing: from Gene to Product (3.00)<br>**BTEC 108H** - Biomanufacturing: from Gene to Product (Honors) (3.00) |

**--- Or ---**

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|---|---|---|
| **PHYS 200** - General Physics I (4.00) | ← | **PHYS 151** - Principles of Physics I (4.00)<br>**--- Or ---**<br>**PHYS 151H** - Principles of Physics I (Honors) (4.00) |
| **BIOL 200** - Principles of Organismal and Population Biology (4.00) | ← | **BIO 202** - Foundations of Biology: Evolution, Biodiversity and Organismal Biology (4.00) |
| **BIOL 212** - Neurobiology and Cognitive Science (3.00)<br>Same-As: PSY 212 | ← | **PSYC 260** - Physiological Psychology (3.00) |

## UPPER DIVISION REQUIREMENTS

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| **MATH 300** - Discrete Mathematics (3.00)<br>• *Content credit only*<br>• *Lower division credit only* | ← | **CS 226** - Discrete Structures (4.00)<br>• *Course is an approved substitute for Computer Science majors only*<br>• *Course is an approved substitute for Information Technology majors only* |

**END OF AGREEMENT**