

Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

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

From: American River College
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

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| COMP 150 - Object-oriented Programming (4.00) | ← | CISP 400 - Object Oriented Programming with C++ (4.00) --- Or --- CISP 401 - Object Oriented Programming with Java (4.00) |
| COMP 151 - Data Structures and Program Design (4.00) | ← | CISP 430 - Data Structures (4.00) |
| COMP 162 - Computer Architecture and Assembly Language (3.00) | ← | CISP 310 - Assembly Language Programming for Microcomputers (4.00) |
| COMP 232 - Programming Languages (3.00) | ← | No Course Articulated |
| COMP 262 - Computer Organization and Architecture (3.00) | ← | No Course Articulated |

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|--------------------------------------|---|---|
| MATH 150 - Calculus I (4.00) | ← | MATH 400 - Calculus I (5.00) --- Or --- MATH 355 - Calculus for Biology and Medicine I (4.00) |
| MATH 151 - Calculus II (4.00) | ← | MATH 401 - Calculus II (5.00) |

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| MATH 240 - Linear Algebra (3.00) | ← | MATH 410 - Introduction to 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

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|---|---|---|
| PHYS 200 - General Physics I (4.00) | ← | PHYS 410 - Mechanics of Solids and Fluids (5.00) |
| PHYS 201 - General Physics II (4.00) | ← | PHYS 421 - Electricity and Magnetism (4.00) |

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CSU GE Area: B2 - Life Science

- *Maximum credit, one course*

**BIOL 332** - Introduction to Ornithology (4.00)

Same-As: NATR 301

NATR 320 - Principles of Ecology (4.00)**NATR 302** - Introduction to Wildlife Biology (4.00)**ANTH 300** - Biological Anthropology (3.00)**BIOL 370** - Marine Biology (4.00)**BIOL 342** - The New Plagues: New and Ancient Infectious Diseases Threatening World Health (3.00)**BIOL 352** - Conservation Biology (3.00)**NATR 310** - Study Design and Field Methods (4.00)**NATR 306** - Introduction to Rangeland Ecology and Management (3.00)**ANTH 480** - Honors Biological Anthropology (3.00)**BIOL 300** - The Foundations of Biology (3.00)**PSYC 310** - Biological Psychology (3.00)**BIOL 305** - Natural History (4.00)**ANTH 303** - Introduction to Forensic Anthropology (3.00)**BIOL 301** - Evolution (3.00)**BIOL 310** - General Biology (4.00)**BIOL 303** - Survey of Biology (4.00)**NATR 305** - Fisheries Ecology and Management (4.00)**BIOL 440** - General Microbiology (4.00)**BIOL 400** - Principles of Biology (5.00)**BIOL 420** - Principles of Zoology (5.00)**BIOL 482** - Honors Marine Biology (4.00)**BIOL 410** - Principles of Botany (5.00)**BIOL 430** - Anatomy and Physiology (5.00)**BIOL 442** - General Microbiology and Public Health (5.00)**BIOL 415** - Introduction to Biology: Biodiversity, Evolution, and Ecology (5.00)**HEED 308** - Environmental Health Science (3.00)**BIOL 375** - Marine Ecology (3.00)

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PHYS 200 - General Physics I (4.00)**PHYS 410** - Mechanics of Solids and Fluids (5.00)**BIOL 200** - Principles of Organismal and Population Biology (4.00)**BIOL 415** - Introduction to Biology: Biodiversity, Evolution, and Ecology (5.00)

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BIOL 410 - Principles of Botany (5.00)

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BIOL 420 - Principles of Zoology (5.00)**BIOL 212** - Neurobiology and Cognitive Science (3.00)

Same-As: PSY 212

**PSYC 310** - Biological Psychology (3.00)**UPPER DIVISION REQUIREMENTS****MATH 300** - Discrete Mathematics (3.00)

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

**CISP 440** - Discrete Structures for Computer Science (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