Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

To: California State University, Channel Islands 2022-2023 General Catalog, Semester	From: Ventura 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)	←	**CS V15** - Data Structures and Algorithms (3.00)
COMP 151 - Data Structures and Program Design (4.00)	←	No Comparable Course
COMP 162 - Computer Architecture and Assembly Language (3.00)	←	**CS V19** - 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 V21A** - Calculus with Analytic Geometry I (5.00)
MATH 151 - Calculus II (4.00)	←	**MATH V21B** - Calculus with Analytic Geometry II (5.00)

MATH 240 - Linear Algebra (3.00)	←	**MATH V22** - Introduction to 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 V04** - Mechanics for Scientists and Engineers (4.00) --- And --- **PHYS V04L** - Mechanics Laboratory for Scientists and Engineers (1.00)
PHYS 201 - General Physics II (4.00)	←	**PHYS V05** - Electricity and Magnetism for Scientists and Engineers (4.00) --- And --- **PHYS V05L** - Electricity and Magnetism Laboratory for Scientists and Engineers (1.00)

--- And ---

CSU GE Area: B2 - Life Science

- *Maximum credit, one course*

← **BIOL V14** - Field Biology (4.00)
ANTH V01 - Biological Anthropology (3.00)
MICR V01 - General Microbiology (4.00)
PSY V03 - Introduction to Biological Psychology (3.00)
AG V04 - Introduction to Soil Science (3.00)
BIOL V18 - Human Heredity (3.00)
BIOL V29 - Marine Biology (3.00)
BIOL V03 - Introduction to Organismal Biology and Ecology (5.00)
BIOL V01 - Principles of Biology (3.00)
BIOL V04 - Introduction to Cell and Molecular Biology (5.00)
PHSO V01 - Human Physiology (4.00)
ESRM V01 - Introduction to Environmental Issues (3.00)
  Same-As: BIOL V10
BIOL V12 - Principles of Human Biology (3.00)
AG V22 - Introduction to Plant Pathology: Insects and Diseases of Plants (3.00)
ESRM V10 - Environmental Ecology (3.00)
ESRM V14 - Conservation of Natural Resources (3.00)
AG V06 - Introduction to Plant Science (with Laboratory) (3.00)
ANPH V01 - Introduction to Human Anatomy and Physiology (5.00)
BIOL V23 - Introduction to Plant Biology (4.00)
AG V30 - Plant Propagation and Production (3.00)
AG V61 - Introduction to Animal Science (3.00)
AG V66 - Anatomy and Physiology of Animals (4.00)

--- Or ---

PHYS 200 - General Physics I (4.00)

← **PHYS V04** - Mechanics for Scientists and Engineers (4.00)

--- And ---

PHYS V04L - Mechanics Laboratory for Scientists and Engineers (1.00)

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

← **BIOL V03** - Introduction to Organismal Biology and Ecology (5.00)

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

← **PSY V03** - Introduction to Biological Psychology (3.00)

UPPER DIVISION REQUIREMENTS

MATH 300 - Discrete Mathematics (3.00)

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

← **CS V17** - Discrete Structures (3.00)
  Same-As: MATH V52

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

--- Or ---

MATH V52 - Discrete Structures (3.00)
  Same-As: CS V17

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

END OF AGREEMENT