

Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

To: California State University, San Marcos
2022-2023 General Catalog, Semester

From: Riverside City College
2022-2023 General Catalog, Semester

Computer Science - CS Option

THE ARTICULATION AGREEMENT BELOW IS SUBJECT TO PERIODIC REVISION. PLEASE CONSULT A COUNSELOR EVERY SEMESTER TO OBTAIN CURRENT INFORMATION ABOUT POSSIBLE CHANGES IN THE AGREEMENT.

MINIMUM GRADE OF C

All courses counted toward the major, including Preparation for the Major courses, must be completed with a letter grade of C (2.0) or better. Credit/No Credit is not accepted.

LOWER AND UPPER DIVISION COURSE OPTIONS

The course below, MATH 264, can be used to satisfy a major requirement; an upper division course can also be used to satisfy this requirement.

[*Please see the 2022-2023 CSUSM catalog to view the upper division option within the Requirements for Non-Computer Science Supporting Courses section*](#)

PREPARATION FOR THE MAJOR

CS 111 - Computer Science I (4.00)



CSC 5 - Programming Concepts and Methodology I: C++ (4.00)
Same-As: CIS 5

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CSC 17A - Programming Concepts and Methodology II: C++ (3.00)
Same-As: CIS 17A

CS 211 - Computer Science II (4.00)



CSC 17B - C++ Programming: Advanced Objects (3.00)
Same-As: CIS 17B

--- And ---

CSC 17C - C++ Programming: Data Structures (3.00)
Same-As: CIS 17C

CS 231 - Assembly Language and Digital Circuits (4.00)



No Course Articulated

NON-COMPUTER SCIENCE SUPPORTING COURSES

MATH 160 - Calculus with Applications, I (5.00)



MAT 1A - Calculus I (4.00)

MATH 162 - Calculus with Applications, II (4.00)



MAT 1B - Calculus II (4.00)

MATH 270 - Basic Discrete Mathematics (3.00)



No Course Articulated

MATH 242 - Introduction to Statistics (3.00)



No Course Articulated

MATH 264 - Introduction to Linear Algebra (3.00)



MAT 3 - Linear Algebra (3.00)

Select 8 Unit(s) from the following

BIOL 104 - Principles of Biology-Human Emphasis (4.00)



No Course Articulated

BIOL 160 - Microbiology for Health Sciences (4.00)



BIO 55 - Microbiology (4.00)

BIOL 177 - Intro to Human Anatomy & Physiology for Kinesiology I (4.00)



BIO 50A - Anatomy and Physiology I (4.00)

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BIO 50B - Anatomy and Physiology II (4.00)

BIOL 178 - Intro to Human Anatomy & Physiology for Kinesiology II (4.00)	←	BIO 50A - Anatomy and Physiology I (4.00) --- And --- BIO 50B - Anatomy and Physiology II (4.00)
BIOL 210 - Introduction to Cellular and Molecular Biology (4.00)	←	BIO 60 - Introduction to Molecular and Cellular Biology (5.00) --- And --- BIO 61 - Introduction to Organismal and Population Biology (5.00)
BIOL 211 - Introduction to Organismal and Population Biology (4.00)	←	BIO 60 - Introduction to Molecular and Cellular Biology (5.00) --- And --- BIO 61 - Introduction to Organismal and Population Biology (5.00)
CHEM 105 - General, Organic, and Biochemistry for Life (4.00)	←	CHE 2B - Introductory Chemistry, II (4.00)
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CHEM 105L - General, Organic, and Biochemistry for Life Laboratory (1.00)	←	CHE 2B - Introductory Chemistry, II (4.00)
CHEM 150 - General Chemistry (4.00)	←	CHE 1A - General Chemistry, I (5.00)
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CHEM 150L - General Chemistry Laboratory (1.00)	←	CHE 1A - General Chemistry, I (5.00)
CHEM 160 - General Chemistry II (3.00)	←	CHE 1B - General Chemistry, II (5.00)
--- And ---		
CHEM 175 - General Chemistry Laboratory II (1.00)	←	CHE 1B - General Chemistry, II (5.00)
CHEM 201 - Organic Chemistry (3.00)	←	CHE 12A - Organic Chemistry, I (5.00)
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CHEM 201L - Organic Chemistry Laboratory (2.00)	←	CHE 12A - Organic Chemistry, I (5.00)
CHEM 202 - Organic Chemistry (3.00)	←	CHE 12B - Organic Chemistry, II (5.00)
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CHEM 202L - Organic Chemistry Laboratory (2.00)	←	CHE 12B - Organic Chemistry, II (5.00)
PHYS 101 - Introduction to Physics I (4.00)	←	No Course Articulated
PHYS 102 - Introduction to Physics II (4.00)	←	No Course Articulated
PHYS 201 - Physics of Mechanics and Sound (4.00)	←	PHY 4A - Mechanics (4.00)
PHYS 202 - Physics of Electromagnetism and Optics (4.00)	←	PHY 4B - Electricity and Magnetism (4.00) --- And --- PHY 4C - Heat, Light and Waves (4.00)
PHYS 205 - Physics for the Biological Sciences I (4.00)	←	No Course Articulated
PHYS 206 - Physics for the Biological Sciences II (4.00)	←	No Course Articulated

END OF AGREEMENT