

# Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

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

From: Mt. San Jacinto 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)	←	CSIS- 113A - C++ Programming - Level 1 (3.00)
CS 211 - Computer Science II (4.00)	←	CSIS- 123A - C++ Programming - Level 2 (3.00)
CS 231 - Assembly Language and Digital Circuits (4.00)	←	No Comparable Course

### NON-COMPUTER SCIENCE SUPPORTING COURSES

MATH 160 - Calculus with Applications, I (5.00)	←	MATH- 211 - Analytic Geometry and Calculus I (4.00)
MATH 162 - Calculus with Applications, II (4.00)	←	MATH- 212 - Analytic Geometry and Calculus II (4.00)
		--- Or ---
		MATH- 212H - Honors Analytic Geometry and Calculus II (4.00)
MATH 270 - Basic Discrete Mathematics (3.00)	←	CSIS- 213 - Discrete Structures (3.00)
MATH 242 - Introduction to Statistics (3.00)	←	No Comparable Course
MATH 264 - Introduction to Linear Algebra (3.00)	←	MATH- 218 - Linear Algebra (3.00)

### Select 8 Unit(s) from the following

BIOL 104 - Principles of Biology-Human Emphasis (4.00)	←	BIOL- 100 - Human Biology (4.00)
BIOL 160 - Microbiology for Health Sciences (4.00)	←	BIOL- 125 - Microbiology (4.00)
BIOL 177 - Intro to Human Anatomy & Physiology for Kinesiology I (4.00)	←	ANAT- 101 - Human Anatomy & Physiology I (4.00)
		--- And ---
		ANAT- 102 - Human Anatomy & Physiology II (4.00)
BIOL 178 - Intro to Human Anatomy & Physiology for Kinesiology II (4.00)	←	ANAT- 101 - Human Anatomy & Physiology I (4.00)
		--- And ---
		ANAT- 102 - Human Anatomy & Physiology II (4.00)
BIOL 210 - Introduction to Cellular and Molecular Biology (4.00)	←	BIOL- 150 - General Biology I (4.00)
		--- Or ---
		BIOL- 150H - Honors General Biology I (4.00)
BIOL 211 - Introduction to Organismal and Population Biology (4.00)	←	BIOL- 151 - General Biology II (4.00)
		--- Or ---
		BIOL- 151H - Honors General Biology II (4.00)

<b>CHEM 105</b> - General, Organic, and Biochemistry for Life (4.00)	←	<b>CHEM- 107</b> - Chemistry of Life (5.00)
--- And ---		
<b>CHEM 105L</b> - General, Organic, and Biochemistry for Life Laboratory (1.00)	←	<b>CHEM- 107</b> - Chemistry of Life (5.00)
<b>CHEM 150</b> - General Chemistry (4.00)	←	<b>CHEM- 101</b> - General Chemistry I (5.00)
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<b>CHEM 150L</b> - General Chemistry Laboratory (1.00)	←	<b>CHEM- 101</b> - General Chemistry I (5.00)
<b>CHEM 160</b> - General Chemistry II (3.00)	←	<b>CHEM- 102</b> - General Chemistry II (5.00)
--- And ---		
<b>CHEM 175</b> - General Chemistry Laboratory II (1.00)	←	<b>CHEM- 102</b> - General Chemistry II (5.00)
<b>CHEM 201</b> - Organic Chemistry (3.00)	←	<b>CHEM- 112</b> - Organic Chemistry I (5.00)
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<b>CHEM 201L</b> - Organic Chemistry Laboratory (2.00)	←	<b>CHEM- 112</b> - Organic Chemistry I (5.00)
<b>CHEM 202</b> - Organic Chemistry (3.00)	←	<b>CHEM- 113</b> - Organic Chemistry II (5.00)
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<b>CHEM 202L</b> - Organic Chemistry Laboratory (2.00)	←	<b>CHEM- 113</b> - Organic Chemistry II (5.00)
<b>PHYS 101</b> - Introduction to Physics I (4.00)	←	<b>PHY- 101</b> - Basic Physics: Energy and Motion (4.00)
<b>PHYS 102</b> - Introduction to Physics II (4.00)	←	<b>PHY- 102</b> - Basic Electricity and Modern Physics (4.00)
<b>PHYS 201</b> - Physics of Mechanics and Sound (4.00)	←	<b>PHY- 201</b> - Mechanics and Wave Motion (4.00)
<b>PHYS 202</b> - Physics of Electromagnetism and Optics (4.00)	←	<b>PHY- 202</b> - Electricity and Magnetism (4.00)
		--- Or ---
		<b>PHY- 202H</b> - Honors Electricity and Magnetism (4.00)
<b>PHYS 205</b> - Physics for the Biological Sciences I (4.00)	←	No Comparable Course
<b>PHYS 206</b> - Physics for the Biological Sciences II (4.00)	←	No Comparable Course

**END OF AGREEMENT**