Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

To: California State University, Long Beach 2022-2023 General Catalog, Semester	From: Mount San Antonio College 2022-2023 General Catalog, Semester

Computer Science

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

GENERAL INFORMATION 2022-23

Important Admissions Information for Fall 2023

ALL MAJORS ARE IMPACTED AT CSU, LONG BEACH. As a result, incoming students must complete a series of major specific preparation coursework and meet GPA requirements. Please visit our Major Specific Degree Requirements webpage for more information and to find the correct path and year for your major.

Review the following for information related to transfer admissions to CSULB:

- Transfer Admission Eligibility Overview
- Transfer Application Process
- Lower Division Requirements Information for Major Agreements

GENERAL INFORMATION - DEGREE NOTES

Degree Progress: Transfer students must complete the following requirements within one calendar year of declaring the major: A grade of C or better must be achieved in MATH 123 (Calculus II) and PHYS 151 (Mechanics and Heat) within one calendar year after transfer to CSULB (if the equivalent was not taken before transfer). Questions can be directed to the College of Engineering Recruitment and Retention Center at (562) 985-1800 or coe-admit@csulb.edu.

ENGR 101 and 102 are substituted for transfer students who have three units of CSU GE Area E.

Special Notes: A grade of "C" or better is required in all required and elective courses.

LOWER DIVISION CORE REQUIREMENTS, TAKE ALL OF THE FOLLOWING COURSES:

Minimum grade required: C or better
Please refer to additional important General Information section above

CECS 105 - Introduction to Computer Engineering and Computer Science (1.00)	←	No Course Articulated
CECS 174 - Introduction to Programming and Problem Solving (3.00)	←	**CISP 21** - Programming in Java (3.00) --- And --- **CISP 21L** - Programming in Java Laboratory (0.50) --- Or --- **CSCI 110** - Fundamentals of Computer Science (3.50) --- Or --- **CSCI 145** - JAVA Language and Object Oriented Programming (4.00)
CECS 225 - Digital Logic and Assembly Programming (3.00)	←	No Course Articulated
CECS 228 - Discrete Structures with Computing Applications (3.00)	←	**CSCI 190** - Discrete Mathematics Applied to Computer Science (4.00)
CECS 229 - Discrete Structures with Computing Applications II (3.00)	←	No Course Articulated
CECS 274 - Data Structures (3.00)	←	No Course Articulated
CECS 277 - Object Oriented Application Development (3.00)	←	No Course Articulated
ENGR 101 - Introduction to Engineering Profession (1.00) Same-As: ENGR 101H • *Please refer to additional important General Information section above*	←	**ENGR 1** - Introduction to Engineering (2.00)
ENGR 102 - Academic Success Skills (1.00) Same-As: ENGR 102H • *Please refer to additional important General Information section above*	←	No Course Articulated

MATH 122 - Calculus I (4.00)	←	**MATH 180** - Calculus and Analytic Geometry (4.00)
MATH 123 - Calculus II (4.00) • *Please refer to additional important General Information section above*	←	**MATH 181** - Calculus and Analytic Geometry (4.00)

APPROVED SCIENCES ELECTIVES (MINIMUM OF EIGHT UNITS), TAKE:

Please refer to additional important General Information section above

PHYS 151 - Mechanics and Heat (4.00) • *Please refer to additional important General Information section above*	←	**PHYS 4A** - Engineering Physics (5.00)

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CHEM 111A - General Chemistry (5.00)	←	**CHEM 50** - General Chemistry I (5.00)
		--- Or ---
		CHEM 50H - General Chemistry I - Honors (5.00)

REMAINING UNITS TO BE CHOSEN FROM THE FOLLOWING:

Please refer to additional important General Information section above

BIOL 200 - General Biology (4.00)	←	**BIOL 1** - General Biology (4.00)
BIOL 205 - Human Biology (4.00)	←	**ANAT 10A** - Introductory Human Anatomy (4.00) --- And --- **ANAT 10B** - Introductory Human Physiology (4.00)
		--- Or ---
		ANAT 35 - Human Anatomy (5.00) --- And --- **ANAT 36** - Human Physiology (5.00)
BIOL 207 - Human Physiology (4.00)	←	**ANAT 10B** - Introductory Human Physiology (4.00) --- Or --- **ANAT 36** - Human Physiology (5.00)

END OF AGREEMENT