Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

To: California State University, Long Beach 2022-2023 General Catalog, Semester

From: American River 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 <u>Major Specific Degree Requirements</u> 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 400 - Object Oriented Programming with C++ (4.00) Or CISP 360 - Introduction to Structured Programming (4.00)
CECS 225 - Digital Logic and Assembly Programming (3.00)	\leftarrow	No Course Articulated
CECS 228 - Discrete Structures with Computing Applications (3.00)	\leftarrow	CISP 440 - Discrete Structures for Computer Science (3.00)
CECS 229 - Discrete Structures with Computing Applications II (3.00)	\leftarrow	MATH 410 - Introduction to Linear Algebra (3.00)
CECS 274 - Data Structures (3.00)	\leftarrow	CISP 430 - Data Structures (4.00)
CECS 277 - Object Oriented Application Development (3.00)	\leftarrow	No Course Articulated
ENGR 101 - Introduction to Engineering Profession (1.00) Same-As: ENGR 101H	←	ENGR 300 - Introduction to Engineering (1.00)
 Please refer to additional important General Information section above 		
ENGR 102 - Academic Success Skills (1.00) Same-As: ENGR 102H	←	No Course Articulated
 Please refer to additional important General Information section above 		
MATH 122 - Calculus I (4.00)	\leftarrow	MATH 400 - Calculus I (5.00)
MATH 123 - Calculus II (4.00)	\leftarrow	MATH 401 - Calculus II (5.00)
 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 410 - Mechanics of Solids and Fluids (5.00) Please refer to additional important General Information section above --- Or -- CHEM 111A - General Chemistry (5.00) CHEM 400 - General Chemistry I (5.00)

Please refer to additional important General Information section above BIOL 200 - General Biology (4.00) BIOL 205 - Human Biology (4.00) BIOL 303 - Survey of Biology (4.00) BIOL 310 - General Biology (4.00) --- Or -- BIOL 430 - Anatomy and Physiology (5.00) BIOL 430 - Anatomy and Physiology (5.00) BIOL 431 - Anatomy and Physiology (5.00)

END OF AGREEMENT