Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

To: California State University, Long Beach 2022-2023 General Catalog, Semester	From: Diablo Valley 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)	←	**COMSC 110** - Introduction to Programming (4.00) **--- Or ---** **COMSC 255** - Programming with Java (4.00)
CECS 225 - Digital Logic and Assembly Programming (3.00)	←	No Course Articulated
CECS 228 - Discrete Structures with Computing Applications (3.00)	←	**MATH 195** - Discrete Mathematics (4.00)
CECS 229 - Discrete Structures with Computing Applications II (3.00)	←	**MATH 194** - Linear Algebra (3.00)
CECS 274 - Data Structures (3.00)	←	**COMSC 210** - Program Design and Data Structures (4.00)
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*	←	No Course Articulated
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 192** - Analytic Geometry and Calculus I (5.00)
MATH 123 - Calculus II (4.00) • *Please refer to additional important General Information section above*	←	**MATH 193** - Analytic Geometry and Calculus II (5.00)

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 130** - Physics for Engineers and Scientists A: Mechanics and Wave Motion (4.00)
--- Or ---		
CHEM 111A - General Chemistry (5.00)	←	**CHEM 120** - General College Chemistry I (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)	←	**BIOSC 102** - Fundamentals of Biological Science with Laboratory (4.00)
BIOL 205 - Human Biology (4.00)	←	**BIOSC 117** - Human Biology with Laboratory (4.00)
BIOL 207 - Human Physiology (4.00)	←	**BIOSC 140** - Human Physiology (5.00)

END OF AGREEMENT