# Articulation Agreement by Major

*Effective during the 2022-2023 Academic Year*

| To: California State University, Long Beach<br>2022-2023 General Catalog, Semester | From: Las Positas College<br>2022-2023 General Catalog, Semester |
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## 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**

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| **CECS 105** - Introduction to Computer Engineering and Computer Science (1.00) | ← | No Course Articulated |
| **CECS 174** - Introduction to Programming and Problem Solving (3.00) | ← | **CS 1** - Computing Fundamentals I (4.00) |
| **CECS 225** - Digital Logic and Assembly Programming (3.00) | ← | No Course Articulated |
| **CECS 228** - Discrete Structures with Computing Applications (3.00) | ← | **CS 17** - Discrete Mathematical Structures (4.00)<br>Same-As: MATH 10<br>--- Or ---<br>**MATH 10** - Discrete Mathematical Structures (4.00)<br>Same-As: CS 17 |
| **CECS 229** - Discrete Structures with Computing Applications II (3.00) | ← | **MATH 7** - Elementary Linear Algebra (3.50) |
| **CECS 274** - Data Structures (3.00) | ← | **CS 2** - Computing Fundamentals II (4.00) |
| **CECS 277** - Object Oriented Application Development (3.00) | ← | No Course Articulated |
| **ENGR 101** - Introduction to Engineering Profession (1.00)<br>Same-As: ENGR 101H<br><br>- *Please refer to additional important General Information section above* | ← | No Course Articulated |
| **ENGR 102** - Academic Success Skills (1.00)<br>Same-As: ENGR 102H<br><br>- *Please refer to additional important General Information section above* | ← | No Course Articulated |
| **MATH 122** - Calculus I (4.00) | ← | **MATH 1** - Calculus I (5.00) |

**MATH 123** - Calculus II (4.00)
- *Please refer to additional important General Information section above*

← **MATH 2** - 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 1A** - General Physics I (5.00)

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**CHEM 111A** - General Chemistry (5.00)

← **CHEM 1A** - 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)

← **BIO 10** - Introduction to the Science of Biology (4.00)

**BIOL 205** - Human Biology (4.00)

← **BIO 50** - Anatomy and Physiology (4.00)

**BIOL 207** - Human Physiology (4.00)

← **BIO 7B** - Human Physiology (5.00)

## END OF AGREEMENT