# Articulation Agreement by Major

*Effective during the 2022-2023 Academic Year*

| To: University of California, Los Angeles<br>2022-2023 General Catalog, Quarter | From: Cypress College<br>2022-2023 General Catalog, Semester |
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## Computer Science/B.S.

## IMPORTANT MAJOR DETAILS

Admission to the Henry Samueli School of Engineering and Applied Sciences at UCLA is highly competitive. **The most important selection criteria are completion of the required preparatory courses and academic performance. Listed below are the lower division preparation courses for the major. All applicants must have a minimum transferable cumulative GPA of 3.4. Preparatory courses must be completed by the end of spring prior to fall enrollment. All major courses must be taken for a letter grade. HSSEAS admits students by major and does NOT consider applicants for alternate majors.**

Applicants are not required to complete the HSSEAS General Education Requirements in order to be admitted, although it is beneficial for students to complete 1 course from each of the following areas: arts, humanities, social sciences, and life sciences. Applicants can fulfill the lower division General Education requirement by completion of the Intersegmental General Education Transfer Curriculum (IGETC). **Partial IGETC is NOT accepted. For more information regarding this major and UCLA's transfer selection process, visit** www.admission.ucla.edu. If you still have specific questions, you may email the HSSEAS admissions office at erkki@seas.ucla.edu.

**PLEASE NOTE: The community college courses listed on this major agreement have been approved as substitutes to satisfy the *admission preparation requirements* for this major, but they may not be exact equivalents of the UCLA courses listed. In addition, upper division requirements for the major may be satisfied by lower division community college course(s) listed below, however, credit will be determined by the department after transfer.**

## PROGRAMMING REQUIREMENT

**C++ is the Preferred language for this major, however (Java, & C) are also acceptable programming courses.**

**NOTE: A course equivalent to UCLA's CS 31 is acceptable to meet the programming requirement for this major.**

## LOWER DIVISION MAJOR REQUIREMENTS

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| **MATH 31A** - Differential and Integral Calculus (4.00) | ← | **MATH 150AC** - Calculus I (4.00) |
| **MATH 31B** - Integration and Infinite Series (4.00) | ← | **MATH 150BC** - Calculus II (4.00) |
| **MATH 32A** - Calculus of Several Variables (4.00) | ← | **MATH 250AC** - Multivariable Calculus (4.00) |
| **MATH 32B** - Calculus of Several Variables (4.00) | ← | **MATH 250AC** - Multivariable Calculus (4.00) |
| **MATH 33A** - Linear Algebra and Applications (4.00) | ← | **MATH 250BC** - Linear Algebra and Differential Equations (5.00) |
| **MATH 33B** - Differential Equations (4.00) | ← | **MATH 250BC** - Linear Algebra and Differential Equations (5.00) |
| PHYSICS 1A+ 1B+1C+ 4AL or 4BL | ← | **PHYS 221 C** - General Physics I (4.00)<br>**--- And ---**<br>**PHYS 222 C** - General Physics II (4.00)<br>**--- And ---**<br>**PHYS 223 C** - General Physics III (4.00) |
| **ENGCOMP 3** - English Composition, Rhetoric, and Language (5.00) | ← | **ENGL 100 C** - College Writing (4.00)<br>**--- Or ---**<br>**ENGL 100HC** - Honors College Writing (4.00)<br>**--- Or ---**<br>**ENGL 101 C** - Enhanced College Writing (5.00)<br>**--- Or ---**<br>**ESL 110 C** - College Composition for Non-Native Speakers (5.00) |

**--- And ---**

**Select 1 Course(s) from the following**

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| One additional course in English composition | ← | **ENGL 102HC** - Honors Intro to Literature (3.00)<br>**--- Or ---**<br>**ENGL 102 C** - Introduction to Literature (3.00)<br>**--- Or ---**<br>**ENGL 103 C** - Critical Reasoning and Writing (4.00)<br>**--- Or ---**<br>**ENGL 103HC** - Honors Critical Reasoning and Writing (4.00)<br>**--- Or ---**<br>**ENGL 104 C** - Critical Analysis & Literature (4.00)<br>**--- Or ---**<br>**ENGL 104HC** - Honors Critical Analysis & Lit (4.00)<br>**--- Or ---**<br>**PHIL 172 C** - Critical Thinking and Writing (3.00) |
| **--- And ---** | | |
| **Select 1 Course(s) from the following** | | |
| One course in computer programming: C++ preferred | ← | **CSCI 123 C** - Introduction to Programming Concepts in C++ (3.00)<br>**--- Or ---**<br>**CIS 223 C** - Visual/C++ Programming (3.00) |

## STRONGLY RECOMMENDED COURSES

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|---|---|---|
| **COM SCI 31** - Introduction to Computer Science I (4.00) | ← | **CSCI 123 C** - Introduction to Programming Concepts in C++ (3.00) |
| **COM SCI 32** - Introduction to Computer Science II (4.00) | ← | No Course Articulated |
| **COM SCI 33** - Introduction to Computer Organization (5.00) | ← | No Course Articulated |
| **COM SCI M51A** - Logic Design of Digital Systems (4.00) | ← | No Course Articulated |
| **MATH 61** - Introduction to Discrete Structures (4.00) | ← | No Course Articulated |

**END OF AGREEMENT**