Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

To: University of California, Los Angeles 2022-2023 General Catalog, Quarter	From: Cerro Coso Community College 2022-2023 General Catalog, Semester

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

UCLA		Cerro Coso Community College
MATH 31A - Differential and Integral Calculus (4.00)	←	**MATH C151** - Analytic Geometry & Calculus I (4.00)
MATH 31B - Integration and Infinite Series (4.00)	←	**MATH C152** - Analytic Geometry & Calculus II (4.00)
MATH 32A - Calculus of Several Variables (4.00)	←	**MATH C251** - Analytic Geometry and Calculus III (4.00)
MATH 32B - Calculus of Several Variables (4.00)	←	**MATH C251** - Analytic Geometry and Calculus III (4.00)
MATH 33A - Linear Algebra and Applications (4.00)	←	**MATH C257** - Linear Algebra (4.00)
MATH 33B - Differential Equations (4.00)	←	**MATH C255** - Ordinary Differential Equations (4.00)
PHYSICS 1A+ 1B+1C+ 4AL or 4BL	←	**PHYS C111** - Mechanics (5.00) --- And --- **PHYS C113** - Electricity & Magnetism (5.00) --- And --- **PHYS C211** - Waves, Optics, and Modern Physics (5.00)
ENGCOMP 3 - English Composition, Rhetoric, and Language (5.00)	←	**ENGL C101** - Freshman Composition (4.00)

--- And ---

Select 1 Course(s) from the following

| One additional course in English composition | ← | **ENGL C101** - Freshman Composition (4.00)
--- Or ---
ENGL C102 - Critical Thinking Through Literature (4.00)
--- Or ---
ENGL C102H - Critical Thinking Through Literature - Honors (5.00)
--- Or ---
ENGL C211 - Survey of Literary Genres (3.00)
--- Or ---
SPCH C101 - Elements of Speech (3.00) |

--- And ---

Select 1 Course(s) from the following

One course in computer programming: C++ preferred	←	No Course Articulated

COM SCI 31 - Introduction to Computer Science I (4.00)	←	**CSCI C265** - Introductory C++ Programming (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