# Articulation Agreement by Major

*Effective during the 2022-2023 Academic Year*

| To: University of California, Los Angeles<br>2022-2023 General Catalog, Quarter | From: Woodland Community College<br>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

| | | |
|---|---|---|
| **MATH 31A** - Differential and Integral Calculus (4.00) | ← | **MATH 1A** - Single Variable Calculus I - Early Transcendentals (5.00) |
| **MATH 31B** - Integration and Infinite Series (4.00) | ← | **MATH 1B** - Single Variable Calculus II - Early Transcendentals (4.00) |
| **MATH 32A** - Calculus of Several Variables (4.00) | ← | **MATH 1C** - Multivariable Calculus (4.00) |
| **MATH 32B** - Calculus of Several Variables (4.00) | ← | **MATH 1C** - Multivariable Calculus (4.00) |
| **MATH 33A** - Linear Algebra and Applications (4.00) | ← | **MATH 3** - Linear Algebra (3.00) |
| **MATH 33B** - Differential Equations (4.00) | ← | **MATH 2** - Ordinary Differential Equations (3.00) |
| PHYSICS 1A+ 1B+1C+ 4AL or 4BL | ← | **PHYS 4A** - Mechanics (4.00)<br>**--- And ---**<br>**PHYS 4B** - Electromagnetism (4.00)<br>**--- And ---**<br>**PHYS 4C** - Thermodynamics, Light and Modern Physic (4.00) |
| **ENGCOMP 3** - English Composition, Rhetoric, and Language (5.00) | ← | **ENGL 1A** - College Composition and Reading (4.00) |

**--- And ---**

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

| | | |
|---|---|---|
| One additional course in English composition | ← | **ENGL 1B** - Argumentative Writing and Critical Thinking through Literature (4.00)<br>**--- Or ---**<br>**ENGL 1C** - Critical Thinking/Advanced Composition (3.00) |

**--- And ---**

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

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

## STRONGLY RECOMMENDED COURSES

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|---|---|---|
| **COM SCI 31** - Introduction to Computer Science I (4.00) | ← | No Course Articulated |
| **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**