Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

To: University of California, Los Angeles 2022-2023 General Catalog, Quarter From: Ventura 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 <u>substitutes</u> to satisfy the <u>admission preparation</u> <u>requirements</u> 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.

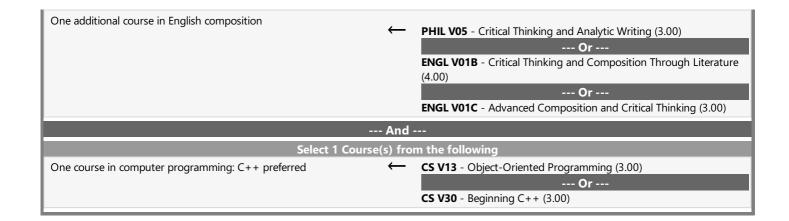
PROGRAMMING REQUIREMENT

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

IATH 31A - Differential and Integral Calculus (4.00)	← MATH V21A - Calculus with Analytic Geometry I (5.00)
IATH 31B - Integration and Infinite Series (4.00)	← MATH V21B - Calculus with Analytic Geometry II (5.00)
IATH 32A - Calculus of Several Variables (4.00)	← MATH V21C - Multivariable Calculus (5.00)
IATH 32B - Calculus of Several Variables (4.00)	← MATH V21C - Multivariable Calculus (5.00)
IATH 33A - Linear Algebra and Applications (4.00)	← MATH V22 - Introduction to Linear Algebra (3.00)
IATH 33B - Differential Equations (4.00)	← MATH V23 - Introduction to Differential Equations (3.00)
PHYSICS 1A+ 1B+1C+ 4AL or 4BL	PHYS V04 - Mechanics for Scientists and Engineers (4.00)
	PHYS V05 - Electricity and Magnetism for Scientists and Engineers (4.00)
	And
	PHYS V06 - Optics, Heat, and Modern Physics for Scientists a Engineers (4.00)
	And
	PHYS V04L - Mechanics Laboratory for Scientists and Engine (1.00)
	And
	PHYS V05L - Electricity and Magnetism Laboratory for Scient and Engineers (1.00)
	And
	PHYS V06L - Optics, Heat and Modern Physics Laboratory fo Scientists and Engineers (1.00)



STRONGLY RECOMMENDED COURSES

COM SCI 31 - Introduction to Computer Science I (4.00)	←	CS V30 - Beginning C++ (3.00)
COM SCI 32 - Introduction to Computer Science II (4.00)	\leftarrow	No Course Articulated
COM SCI 33 - Introduction to Computer Organization (5.00)	\leftarrow	No Course Articulated
COM SCI M51A - Logic Design of Digital Systems (4.00)	\leftarrow	No Course Articulated
MATH 61 - Introduction to Discrete Structures (4.00)	←	CS V17 - Discrete Structures (3.00) Same-As: MATH V52 And MATH V52 - Discrete Structures (3.00) Same-As: CS V17

END OF AGREEMENT