Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

To: University of California, Los Angeles 2022-2023 General Catalog, Quarter From: De Anza College 2022-2023 General Catalog, Quarter

Materials Engineering/B.S.

IMPORTANT MAJOR DETAILS

Admission to the Henry Samueli School of Engineering and Applied Science (HSSEAS) at UCLA is highly competitive. The most important selection criteria is 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 the spring term prior to fall enrollment. All major prep courses must be taken for a letter grade. HSSEAS admits students by major and does NOT consider applicants for alternate majors.

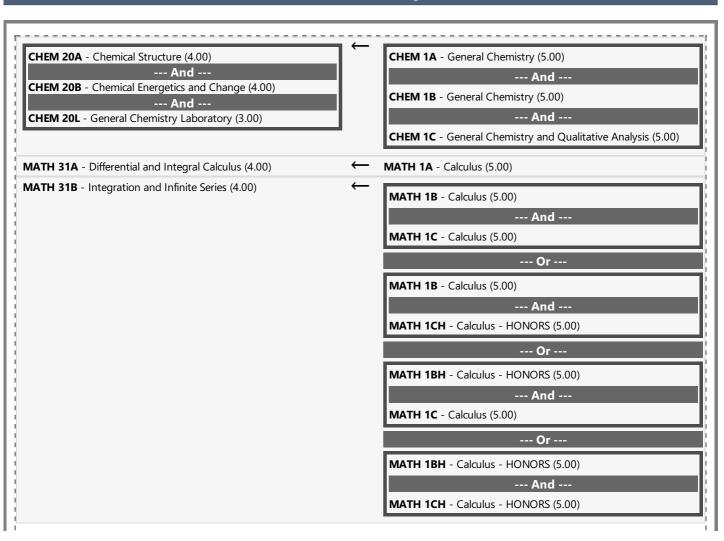
Applicants are not required to complete the HSSEAS General Education Requirements in order to be admitted, although it is beneficial for students to complete 1 course from each of the following areas: arts, humanities, social sciences, and life sciences. Applicants can fulfill the lower division General 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 https://samueli.ucla.edu** and https://admission.ucla.edu. If you still have specific questions, you may contact 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

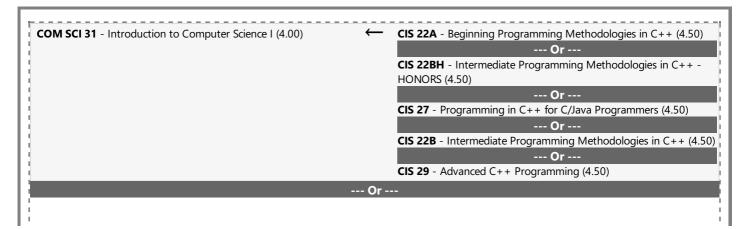
MATLAB IS THE PREFERRED LANGUAGE FOR THIS MAJOR.

LOWER DIVISION MAJOR REQUIREMENTS



MATH 32A - Calculus of Several Variables (4.00)	\leftarrow	MATH 1C - Calculus (5.00)
MATH 32B - Calculus of Several Variables (4.00)	\leftarrow	MATH 1D - Calculus (5.00)
MATH 33A - Linear Algebra and Applications (4.00)	\leftarrow	MATH 2B - Linear Algebra (5.00)
MATH 33B - Differential Equations (4.00)	←	MATH 2A - Differential Equations (5.00)
	- Or	
MECH&AE 82 - Mathematics of Engineering (4.00)	\leftarrow	MATH 2A - Differential Equations (5.00)
		Or MATH 2AH - Differential Equations - HONORS (5.00)
PHYSICS 1A - Physics for Scientists and Engineers: Mechanics (5.00)	←	PHYS 4A - Physics for Scientists and Engineers: Mechanics (6.00)
PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields (5.00)	\leftarrow	PHYS 4B - Physics for Scientists and Engineers: Electricity and Magnetism (6.00)
PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity (5.00)	←	PHYS 4C - Physics for Scientists and Engineers: Fluids, Waves, Optics and Thermodynamics (6.00)
ENCOMP 2 English Composition Photogic and Language (F.O.)	_	EMPT 1A Composition and Deading (F 00)
	←	EWRT 1A - Composition and Reading (5.00) Or EWRT 1AH - Composition and Reading - HONORS (5.00)
	← And ·	Or EWRT 1AH - Composition and Reading - HONORS (5.00)
 Select 1 Course		Or EWRT 1AH - Composition and Reading - HONORS (5.00)
 Select 1 Course		Or EWRT 1AH - Composition and Reading - HONORS (5.00) The following COMM 9 - Argumentation: Analysis of Oral and Written Communication (5.00) Or
 Select 1 Course		Or EWRT 1AH - Composition and Reading - HONORS (5.00) The following COMM 9 - Argumentation: Analysis of Oral and Written Communication (5.00) Or EWRT 1B - Reading, Writing and Research (5.00)
 Select 1 Course		Or EWRT 1AH - Composition and Reading - HONORS (5.00) The following COMM 9 - Argumentation: Analysis of Oral and Written Communication (5.00) Or EWRT 1B - Reading, Writing and Research (5.00) Or
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 Select 1 Course		EWRT 1AH - Composition and Reading - HONORS (5.00) The following COMM 9 - Argumentation: Analysis of Oral and Written Communication (5.00) Or EWRT 1B - Reading, Writing and Research (5.00) Or EWRT 1BH - Reading, Writing and Research - HONORS (5.00) Or EWRT 1C - Literature and Composition (5.00) Or EWRT 2 - Critical Reading, Writing and Thinking (5.00) Or
Select 1 Course ne additional course in English composition	(s) froi	Or EWRT 1AH - Composition and Reading - HONORS (5.00) The following COMM 9 - Argumentation: Analysis of Oral and Written Communication (5.00) Or EWRT 1B - Reading, Writing and Research (5.00) Or EWRT 1BH - Reading, Writing and Research - HONORS (5.00) Or EWRT 1C - Literature and Composition (5.00) Or EWRT 2 - Critical Reading, Writing and Thinking (5.00) Or PHIL 3 - Critical Thinking and Writing (5.00)
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STRONGLY RECOMMENDED COURSES



C&EE M20 - Introduction to Computer Programming with MATLAB (4.00) Same-As: MECH&AE M20	← No Course Articulated
C&EE 91 - Statics (4.00)	← ENGR 35 - Statics (4.00)
MECH&AE 101 - Statics and Strength of Materials (4.00)	← No Course Articulated
EC ENGR 100 - Electrical and Electronic Circuits (4.00)	← ENGR 37 - Introduction to Circuit Analysis (5.00)
MAT SCI 104 - Science of Engineering Materials (4.00)	← No Course Articulated

END OF AGREEMENT