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

Bioengineering/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 are completion of the required preparatory courses and academic performance. All applicants must have a minimum cumulative GPA of 3.4. Preparatory courses should be completed by the end of spring term prior to fall enrollment. All major preparation 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. Partial IGETC is NOT accepted. For more information regarding IGETC acceptance, this major and UCLA's transfer selection process, please visit https://admission.ucla.edu. If you still have specific questions, you may email the HSSEAS admissions office at erkki@seas.ucla.edu.

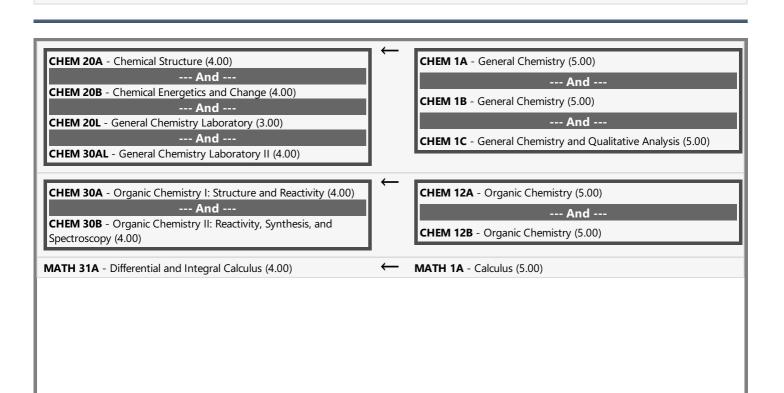
PLEASE NOTE: The community college courses listed on this major agreement have been approved as <u>substitutes</u> to satisfy the <u>admission preparation requirements</u> for this major, but they may not be exact equivalents of the UCLA courses listed. In addition, upper division requirements for the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

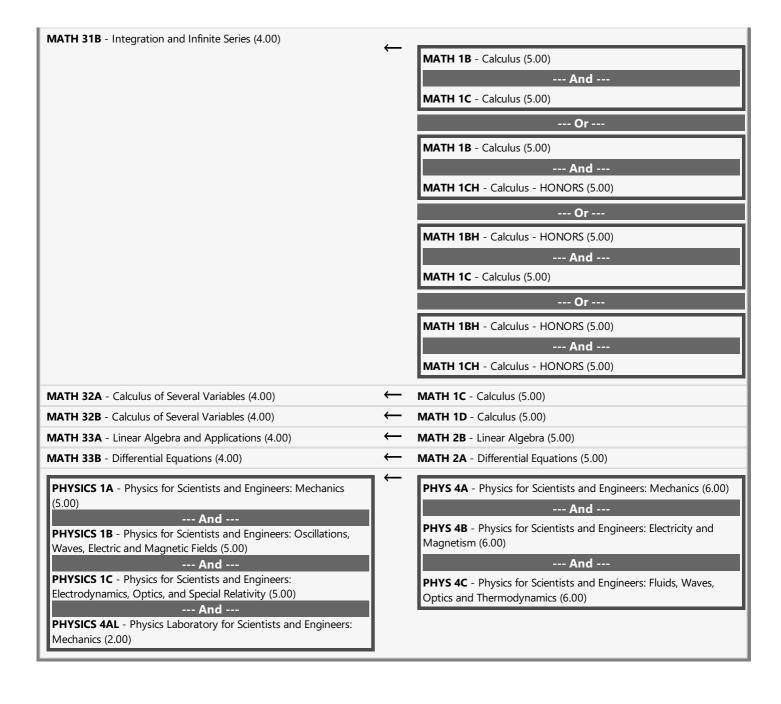
PROGRAMMING REQUIREMENT

MATLAB is the Preferred language for this major, however, a course equivalent to UCLA's Com Sci 31 will be accepted to meet the programming requirement for this major.

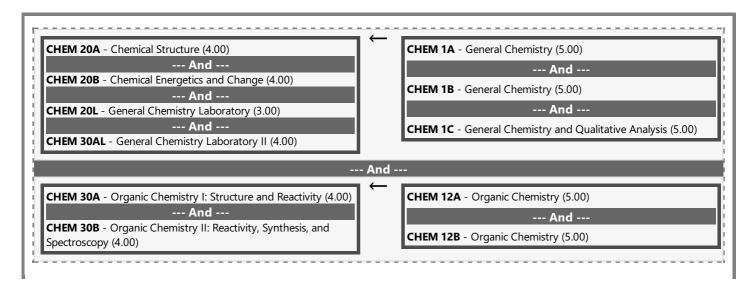
ADDITIONAL GE INFORMATION

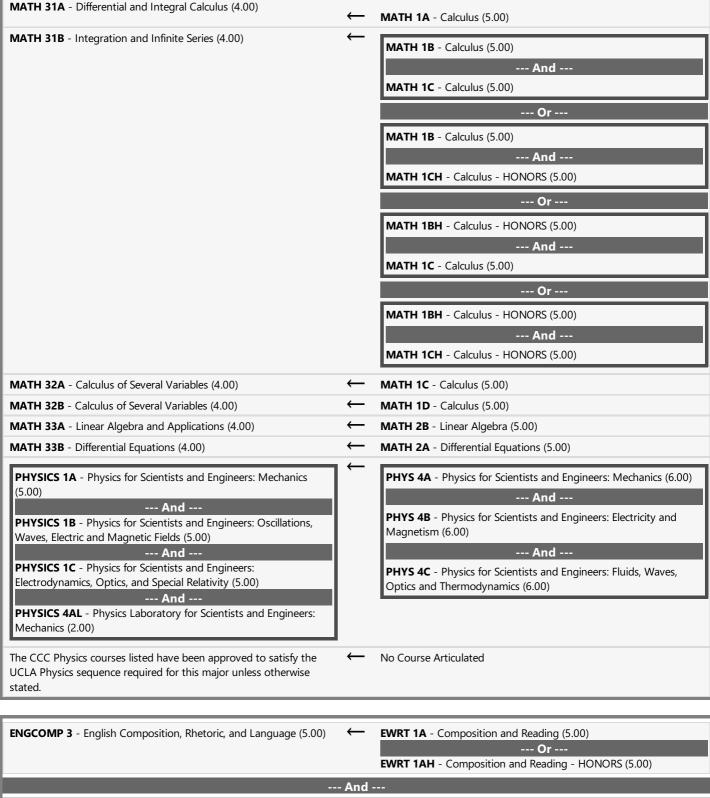
IMPORTANT NOTE: For BioEngineering, completion of one course in the Life Science 7ABC series will automatically fulfill the Life Science Œ within their major requirement.

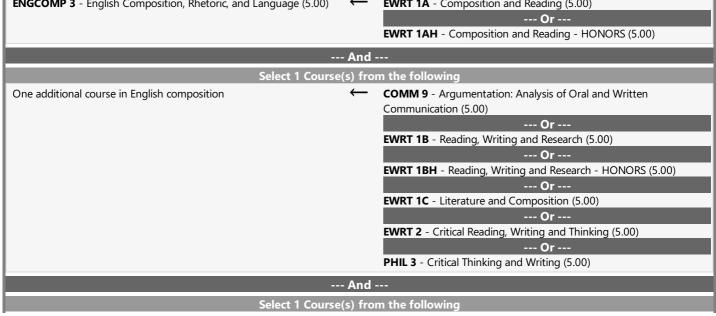




LOWER DIVISION MAJOR REQUIREMENTS







CIS 27 - Programming in C++ for C/Java Programmers (4.50)

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CIS 29 - Advanced C++ Programming (4.50)

STRONGLY RECOMMENDED COURSES

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COM SCI 31 - Introduction to Computer Science I (4.00)	\leftarrow	CIS 22A - Beginning Programming Methodologies in C++ (4.50)
		Or
		CIS 22BH - Intermediate Programming Methodologies in C++ -
		HONORS (4.50)
11		Or
		CIS 27 - Programming in C++ for C/Java Programmers (4.50)
		Or
		CIS 22B - Intermediate Programming Methodologies in C++ (4.50)
		Or
		CIS 29 - Advanced C++ Programming (4.50)
	Or	
C&EE M20 - Introduction to Computer Programming with	\leftarrow	No Course Articulated
MATLAB (4.00)		
Same-As: MECH&AE M20		
h		
EC ENGR 100 - Electrical and Electronic Circuits (4.00)	\leftarrow	ENGR 37 - Introduction to Circuit Analysis (5.00)

LIFESCI 7A - Cell and Molecular Biology (5.00)	← BIOL 6B - Cell and Molecular Biology (6.00)	
And		
LIFESCI 7C - Physiology and Human Biology (5.00)	← BIOL 6A - Form and Function in the Biological World (6.00)	

END OF AGREEMENT