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

Engineering Geology/B.S.

IMPORTANT MAJOR INFORMATION

Listed below are the lower division preparation courses for the major. **To be considered for this major, you must complete the following preparatory courses by the end of spring before transfer: one introductory course in Earth Sciences with lab, two general chemistry courses with lab for majors and one year of calculus. A second semester of calculus-based physics with lab is recommended.** All courses must be taken for a letter grade. **For more information regarding this major and UCLA's transfer selection process, visit** https://epss.ucla.edu and https://admission.ucla.edu.

PLEASE NOTE: the community college courses listed below have been approved to satisfy the preparation requirement for this major at UCLA, but they may not be exact equivalents of the UCLA courses listed.

ADDITIONAL RECOMMENDED COURSES

A semester of calculus based physics with lab is recommended.

LOWER DIVISION MAJOR REQUIREMENTS

EPS SCI 1 - Introduction to Earth Science (5.00)	←	**GEOL 10** - Introductory Geology (5.00)
EPS SCI 51 - Mineralogy: Earth and Planetary Materials (4.00)	←	No Course Articulated
EPS SCI 61 - Geologic Maps (4.00)	←	No Course Articulated
CHEM 20A - Chemical Structure (4.00) **--- And ---** **CHEM 20B** - Chemical Energetics and Change (4.00) **--- And ---** **CHEM 20L** - General Chemistry Laboratory (3.00)	←	**CHEM 1A** - General Chemistry (5.00) **--- And ---** **CHEM 1B** - General Chemistry (5.00) **--- And ---** **CHEM 1C** - General Chemistry and Qualitative Analysis (5.00)
C&EE M20 - Introduction to Computer Programming with MATLAB (4.00) Same-As: MECH&AE M20	←	No Course Articulated
MATH 31A - Differential and Integral Calculus (4.00) **--- And ---** **MATH 31B** - Integration and Infinite Series (4.00)	←	**MATH 1A** - Calculus (5.00) **--- And ---** **MATH 1B** - Calculus (5.00)
MATH 32A - Calculus of Several Variables (4.00)	←	**MATH 1C** - Calculus (5.00)
MATH 33A - Linear Algebra and Applications (4.00)	←	**MATH 2B** - Linear Algebra (5.00)
PHYSICS 1A - Physics for Scientists and Engineers: Mechanics (5.00) **--- And ---** **PHYSICS 1B** - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields (5.00) **--- And ---** **PHYSICS 1C** - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity (5.00) **--- And ---** **PHYSICS 4AL** - Physics Laboratory for Scientists and Engineers: Mechanics (2.00) **--- And ---** **PHYSICS 4BL** - Physics Laboratory for Scientists and Engineers: Electricity and Magnetism (2.00) • *Articulates as a sequence only*	←	**PHYS 4A** - Physics for Scientists and Engineers: Mechanics (6.00) **--- And ---** **PHYS 4B** - Physics for Scientists and Engineers: Electricity and Magnetism (6.00) **--- And ---** **PHYS 4C** - Physics for Scientists and Engineers: Fluids, Waves, Optics and Thermodynamics (6.00)

RECOMMENDED PREPARATION

MATH 32B - Calculus of Several Variables (4.00)	←	**MATH 1D** - Calculus (5.00)

END OF AGREEMENT