Articulation Agreement by Major

Effective during the 2022-2023 Academic Yea

To: University of California, Irvine 2022-2023 General Catalog, Quarter

From: De Anza College 2022-2023 General Catalog, Quarter

Environmental Engineering, B.S.

GENERAL INFORMATION

Admission to the Henry Samueli School of Engineering is highly competitive. The most important selection criteria is the completion of the required major preparation courses and academic performance.

Required for admission:

Students must have a cumulative UC transferable GPA of 3.0 (3.4 for TAG). Students must earn a grade of C or better in all listed major preparation courses while maintaining a cumulative GPA of 3.0 in the following required courses.

- Single Variable Calculus I (C-ID MATH 210 or MATH 211)
- Single Variable Calculus II (C-ID MATH 220 or MATH 221) or 2 semester/quarters of Single Variable Calculus Sequence (C-ID MATH 900S or 910S)
- Multivariable Calculus (C-ID MATH 230)
- Ordinary Differential Equations (C-ID MATH 240) or Differential Equations and Linear Algebra (C-ID MATH 910S)
- Introduction to Linear Algebra (C-ID MATH 250) or Differential Equations and Linear Algebra (C-ID MATH 910S)
- Calculus-Based Physics for Scientists and Engineers: A (C-ID PHYS 205)
- Calculus-Based Physics for Scientists and Engineers: B (C-ID PHYS 210) or Calculus-Based Physics for Scientists and Engineers: ABC (C-ID PHYS 200S)
- General Chemistry for Science Majors Sequence A (C-ID CHEM 120S)
- Programming and Problem Solving in MATLAB (C-ID ENGR 220) preferred or Introduction to Programming Concepts and Methodologies for Engineers (C-ID ENGR 120)

Recommended for admission/Time to degree:

The following courses are not required for admission, however the degree cannot be completed in two years without them:

• Introduction to Statistics (C-ID MATH 110)

PHYSICS 7LC - Classical Physics Laboratory (1.00)

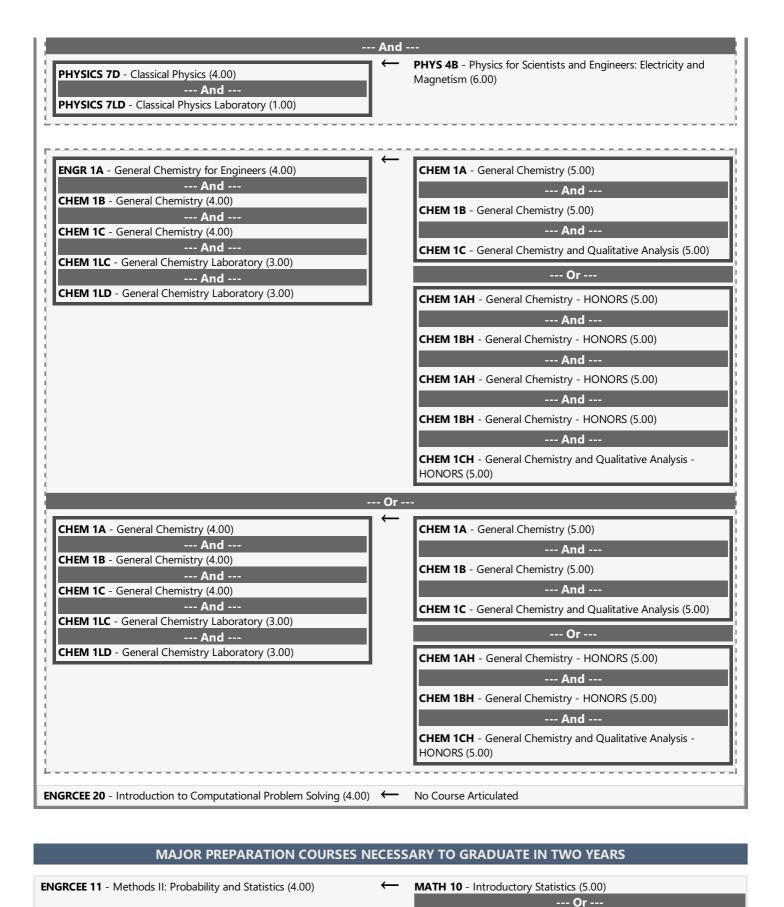
- Statics (C-ID ENGR 130)
- Engineering Graphics (C-ID ENGR 150)

For information regarding the AP and IB examination credit policies refer to the UCI General Catalogue

For information regarding the UC Irvine Transfer Admission Guarantee program please visit TAG

MAJOR PREPARATION COURSES REQUIRED FOR TRANSFER

MATH 2A - Single-Variable Calculus (4.00)	← MATH 1A - Calculus (5.00)
	Or
	MATH 1AH - Calculus - HONORS (5.00)
MATH 2B - Single-Variable Calculus (4.00)	← MATH 1B - Calculus (5.00)
	Or
	MATH 1BH - Calculus - HONORS (5.00)
MATH 2D - Multivariable Calculus (4.00)	← MATH 1D - Calculus (5.00)
	Or
	MATH 1DH - Calculus - HONORS (5.00)
MATH 2E - Multivariable Calculus (4.00)	← MATH 1D - Calculus (5.00)
	Or
	MATH 1DH - Calculus - HONORS (5.00)
MATH 3A - Introduction to Linear Algebra (4.00)	← MATH 2B - Linear Algebra (5.00)
	Or
	MATH 2BH - Linear Algebra - HONORS (5.00)
MATH 3D - Elementary Differential Equations (4.00)	← MATH 2A - Differential Equations (5.00)
	Or
	MATH 2AH - Differential Equations - HONORS (5.00)
	
PHYSICS 7C - Classical Physics (4.00)	PHYS 4A - Physics for Scientists and Engineers: Mechanics (6.00)
And	
Allu	



ADDITIONAL MAJOR REQUIREMENTS

ENGR 30 - Statics (4.00)

Same-As: ENGRMAE 30, ENGRCEE 30

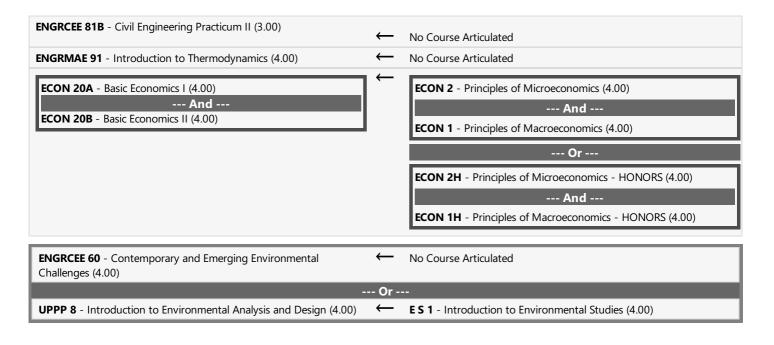
ENGRCEE 81A - Civil Engineering Practicum I (3.00)

MATH 10H - Introductory Statistics - HONORS (5.00)

ENGR 35 - Statics (4.00)

No Course Articulated

CHEM 51A - Organic Chemistry (4.00)	\leftarrow	CHEM 12A - Organic Chemistry (5.00)
ENGRCEE 21 - Computational Problem Solving (4.00)	\leftarrow	No Course Articulated



ADDITIONAL MAJOR ELECTIVES

TWO BASIC SCIENCE ELECTIVES IN BIOLOGICAL SCIENCES AND EARTH SYSTEM SCIENCE

BIO SCI 93 - DNA to Organisms (4.00)	← BIOL 6B - Cell and Molecular Biology (6.00)	
EARTHSS 1 - Introduction to Earth System Science (4.00)	← MET 12 - Introduction to Climate Change (5.00)	
EARTHSS 3 - Oceanography (4.00)	← GEOL 20 - General Oceanography (4.00)	

EARTHSS 5 - The Atmosphere (4.00) MET 10 - Weather and Climate Processes (5.00)

EARTHSS 7 - Physical Geology (5.00) **GEOL 10** - Introductory Geology (5.00) **EARTHSS 15** - Introduction to Global Climate Change (4.00) MET 12 - Introduction to Climate Change (5.00)

EARTHSS 17 - Hurricanes, Tsunamis, and other Catastrophes (4.00) No Course Articulated

EARTHSS 19 - Introduction to Modeling the Earth System (4.00) No Course Articulated

ONE COURSE FROM THE FOLLOWING:

CBE 40A - Chemical Processes and Material Balances (4.00)	\leftarrow	No Course Articulated
EECS 70A - NETWORK ANALYSIS I (4.00)	\leftarrow	ENGR 37 - Introduction to Circuit Analysis (5.00)
ENGR 7A - Introduction to Engineering I (2.00)	←	No Course Articulated
	And -	
ENGR 7B - Introduction to Engineering II (2.00)	←	No Course Articulated
ENGR 54 - Principles of Materials Science and Engineering (4.00)	\leftarrow	No Course Articulated
ENGRCEE 80 - Dynamics (4.00) Same-As: ENGR 80, ENGRMAE 80	←	No Course Articulated

END OF AGREEMENT