

Last updated 12/01/11. The information in this guide is subject to change. UC Irvine requires additional lower division courses beyond those listed or articulated. Please review a current UCI catalog and consult with a counselor. The most recent articulation information is available at www.assist.org.

AEROSPACE ENGINEERING

Required for admission: one year of calculus, one year of calculus-based physics with labs (mechanics, electricity, & magnetism), one course in general chemistry with lab, and two additional approved courses for the major.

CHEM 1A or 4A; CS 10 or ENGR 6; ECON 1B; ENGR 16, 34, 45; MATH 1A+1B, 1C, 2, 5; PHYS 40+41+42;
one course from BIO 2.1 or CHEM 1B or 4B

BIOMEDICAL ENGINEERING

Required for admission: one year of calculus, one year of calculus-based physics with labs (mechanics, electricity, & magnetism), one year of general chemistry with labs, and one additional approved course for the major.

CHEM 1A+1B or 4A+4B; CS 10 or 17.11; ENGR 16; MATH 15; MATH 1A+1B, 1C, 2, 5; PHYS 40+41+42

BIOMEDICAL ENGINEERING – PRE-MEDICAL

Required for admission: one year of calculus, one year of calculus-based physics with labs (mechanics, electricity, & magnetism), one year of general chemistry with labs, and one additional approved course for the major.

CHEM 1A+1B or 4A+4B; CHEM 12A+12B; CS 10 or 17.11; MATH 1A+1B, 1C, 2, 5; PHYS 40+41+42

CHEMICAL ENGINEERING

Required for admission: one year of calculus, one year of calculus-based physics with labs (mechanics, electricity, & magnetism), one year of general chemistry with labs, and one additional approved course for the major.

CHEM 1A+1B or 4A+4B; CHEM 12A+12B; CS 10 or ENGR 6; ENGR 45; MATH 1A+1B, 1C, 2, 5; PHYS 40+42

CIVIL ENGINEERING

Required for admission: one year of calculus, one year of calculus-based physics with labs (mechanics, electricity, & magnetism), one year of chemistry with labs, and one additional approved course for the major.

BIO 12 or SOCS 12; CHEM 1A+1B or 4A+4B; CS 10 or 17.11 or ENGR 6; ECON 1A, 1B; ENGR 34; MATH 1A+1B, 1C, 2, 5; PHYS 40, 42; one course from CHEM 1B or 4B, ENGR 16 or 45, or PHYS 41

COMPUTER ENGINEERING

Required for admission: one year of calculus, one year of calculus-based physics with labs (mechanics, electricity, & magnetism), one course in computational methods (e.g., C, C++), and two additional approved courses for the major.

CS 10 or 17.11; CS 11+17.11; ENGR 6, 16; MATH 1A+1B, 1C, 2, 4, 5; PHYS 40+41+42

COMPUTER SCIENCE AND ENGINEERING

Complete as many of the requirements as possible prior to transfer, including one year of calculus, one year of calculus-based physics with labs (mechanics, electricity, & magnetism), one year of transferable computer science courses involving concepts such as those found in Java, Scheme, C++, or other object-oriented, high-level programming language (Java recommended), and one additional approved course for the major (math, science or CSE course).

CS 10+11+17.11; ENGR 16; MATH 1A+1B, 1C, 4, 5; PHYS 40+42

ELECTRICAL ENGINEERING

Required for admission: one year of calculus, one year of calculus-based physics with labs (mechanics, electricity, & magnetism), one course in computational methods (e.g., C, C++), and two additional approved courses for the major.

CHEM 1A or 4A; CS 10 or ENGR 6; ENGR 16, 45; MATH 1A+1B, 1C, 2, 5; PHYS 40+41+42

ENVIRONMENTAL ENGINEERING

Required for admission: one year of calculus, one year of calculus-based physics with labs (mechanics, electricity, & magnetism), one year of general chemistry with labs, and one additional approved course for the major.

BIO 12 or SOCS 12; CHEM 1A+1B or 4A+4B; CHEM 12A; CS 10 or 17.11 or ENGR 6; ECON 1A, 1B; ENGR 34; MATH 1A+1B, 1C, 2, 5; PHYS 40+42

GENERAL ENGINEERING

Required for admission: one year of calculus, one year of calculus-based physics with labs (mechanics, electricity, & magnetism), one year of general chemistry with labs, and one course in computational methods (e.g., C, C++).

CS 10 or ENGR 6; MATH 1A+1B, 1C, 2, 5; PHYS 40

MATERIALS SCIENCE ENGINEERING

Required for admission: one year of calculus, one year of calculus-based physics with labs (mechanics, electricity, & magnetism), one year of general chemistry with labs, and one additional approved course for the major.

CHEM 1A+1B or 4A+4B; CS 10 or ENGR 6; ENGR 16, 34, 45; MATH 1A+1B, 1C, 2, 5; PHYS 40+41+42;
one course from BIO 2.1, CHEM 12A, ENGR 25, or MATH 15

MECHANICAL ENGINEERING

Required for admission: one year of calculus, one year of calculus-based physics with labs (mechanics, electricity, & magnetism), one course in general chemistry with lab, and two additional approved courses for the major.

CHEM 1A or 4A; CS 10 or ENGR 6; ECON 1B; ENGR 16, 25, 34, 45; MATH 1A+1B, 1C, 2, 5; PHYS 40+41+42;
one course from BIO 2.1 or CHEM 1B or 4B