

Last updated 08/16/11. The information in this guide is subject to change. UC Riverside may require additional lower division courses beyond those listed or articulated. Please review a current UCR catalog and consult with a counselor. The most recent articulation information is available at www.assist.org.

Admission to the Bourns College of Engineering at UC Riverside is competitive. Certain course preparation is required prior to transfer. Students must attain a GPA of at least 2.80 in all UC transferable coursework. A GPA of at least 2.50 in the calculus sequence and in at least one additional sequence (chemistry, physics, second year calculus, or biology) is also required.

See the articulation agreements for each major at www.assist.org for a list of approved Humanities and Social Sciences breadth courses mentioned in the requirements below. Although IGETC is not recommended, completion of IGETC is accepted as satisfying the majority of the BCOE's breadth requirements for transfer students. Lower division major preparation should be prioritized ahead of completion of breadth requirements.

BIOENGINEERING

Required prior to transfer: BIO 2.1; CHEM 1A+1B or 4A+4B; MATH 1A+1B; *Completion of at least TWO of the following courses or sequences:* BIO 2.2+2.3; PHYS 40; PHYS 40+41; PHYS 42

Strongly recommended prior to transfer: BIO 2.2+2.3; CHEM 12A+12B; CS 10 or 17.11; MATH 1C, 2; ENGR 16; PHYS 40+41, 42
Complete at least ONE approved Humanities or Social Sciences breadth course prior to transfer.

CHEMICAL ENGINEERING

Required prior to transfer: CHEM 1A+1B or 4A+4B; MATH 1A+1B; PHYS 40; *Completion of at least TWO of the following courses or sequences:* BIO 2.1; PHYS 40+41; PHYS 42; CHEM 12A+12B

Strongly recommended prior to transfer: BIO 2.1; CHEM 12A+12B; CS 10 or 17.11; MATH 1C, 2; PHYS 40+41, 42

Recommended for the Bioengineering option within the Chemical Engineering major: BIO 2.1+2.2+2.3

Complete THREE approved Humanities or Social Sciences breadth courses prior to transfer.

COMPUTER ENGINEERING

Required prior to transfer: CS 10 or 17.11; CS 11; MATH 1A+1B; PHYS 40; *Completion of at least THREE of the following courses or sequences:* CS 12; ENGR 16; MATH 4; PHYS 40+41, 42

Strongly recommended prior to transfer: BIO 2.1 or 10 or 13; CS 10+11; CS 12; ENGR 16; MATH 1C, 2, 4; PHYS 40+41, 42

Complete FOUR approved Humanities or Social Sciences breadth courses prior to transfer.

ELECTRICAL ENGINEERING

Required prior to transfer: CS 10 or 17.11; CS 12; MATH 1A+1B; PHYS 40; *Completion of at least THREE of the following courses or sequences:* CS 11; ENGR 16; MATH 1C, 2; PHYS 40+41, 42

Strongly recommended prior to transfer: BIO 2.1 or 10 or 13; CHEM 1A or 4A; CS 11; ENGR 16; MATH 1C, 2; PHYS 40+41, 42

Complete TWO approved Humanities or Social Sciences breadth courses prior to transfer.

ENVIRONMENTAL ENGINEERING

Required prior to transfer: CHEM 1A+1B or 4A+4B; MATH 1A+1B; PHYS 40; *Completion of at least TWO of the following courses or sequences:* BIO 2.1; CHEM 12A+12B; PHYS 40+41; PHYS 42

Strongly recommended prior to transfer: BIO 2.1; CHEM 12A+12B; CS 10 or 17.11; ENGR 34; MATH 1C, 2; PHYS 40+41, 42

Complete FOUR approved Humanities or Social Sciences breadth courses prior to transfer.

MATERIALS SCIENCE AND ENGINEERING

Required prior to transfer: CHEM 1A+1B or 4A+4B; MATH 1A+1B; *Completion of at least THREE of the following courses or sequences:* MATH 1C; MATH 2; CHEM 12A; PHYS 40; PHYS 40+41; PHYS 42

Strongly recommended prior to transfer: BIO 2.1 or 10 or 13; CHEM 12A; CS 10 or 17.11; ENGR 16, 34; MATH 1C, 2; PHYS 40+41, 42

Complete at least ONE approved Humanities or Social Sciences breadth courses prior to transfer.

MECHANICAL ENGINEERING

Required prior to transfer: CHEM 1A+1B or 4A+4B; MATH 1A+1B; PHYS 40; *Completion of at least THREE of the following courses or sequences:* BIO 2.1; ENGR 6; ENGR 16; ENGR 25; ENGR 34; PHYS 40+41; PHYS 42

Strongly recommended prior to transfer: BIO 2.1; ENGR 6, 16, 25, 34; MATH 1C, 2; PHYS 40+41, 42

Complete TWO approved Humanities or Social Sciences breadth courses prior to transfer.