Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

To: University of California, Riverside 2022-2023 General Catalog, Quarter	From: De Anza College 2022-2023 General Catalog, Quarter

Mechanical Engineering, B.S.

GENERAL REQUIREMENTS

All majors in the Bourns College of Engineering are selective, based on academic preparation and GPA in all transferable coursework, with a minimum GPA of 2.80. (This is a baseline GPA for consideration and not a guarantee of admission).

Effective Fall 2024 transfer students must complete all Chemistry lab courses in-person to receive articulation to UCR's equivalent Chemistry lab courses. Completing Chemistry lab courses online will not impact your ability to transfer. Transfer students who complete Chemistry lab courses online will be required to retake the lab courses at UCR.

As shown below, certain major course preparation is required prior to transfer, with a GPA of at least 2.50 in the calculus sequence, and in at least one additional sequence.

AP Exam - Satisfy Course Requirement Section
Mathematics: AB Exam or AB Subscore from BC Exam
Minimum score of 3 satisfies MATH 9A **or** MATH 7A
Mathematics: BC Exam
Minimum score of 3 satisfies MATH 9A and MATH 9B **or** MATH 7A and MATH 7B
Minimum score of 4 satisfies MATH 9A, MATH 9B, MATH 9C **or** MATH 7A, MATH 7B, MATH 9C

For more information regarding this major and UCR's transfer selection process. Please visit: Bourns College of Engineering General Requirements.
For information about the UC Transfer Admission Guarantee (TAG) program, please visit Transfer Admission Guarantee.

IGETC and General Education/Breadth Information
The Bourns College of Engineering (BCOE) accepts completion of IGETC as satisfying the college's lower division general education/breadth requirements for transfer students. Additional upper division breadth requirements may be required after enrollment in BCOE. For more information on BCOE breadth requirements, go to: http://student.engr.ucr.edu/policies/requirements/breadth.html.

Prospective applicants are strongly encouraged to focus instead on preparatory course work for the major, such as the mathematics, science and other technical preparatory course work listed below, rather than IGETC. Strong technical preparation is essential for success in the admissions process, and subsequently, in all coursework at BCOE.

LOWER DIVISION MAJOR REQUIREMENTS

Required for admission
All courses in this section are required

CHEM 1A - General Chemistry (4.00) **--- And ---** **CHEM 1B** - General Chemistry (4.00) **--- And ---** **CHEM 1LA** - General Chemistry Lab (1.00) **--- And ---** **CHEM 1LB** - General Chemistry Lab (1.00)	←	**CHEM 1A** - General Chemistry (5.00) **--- And ---** **CHEM 1B** - General Chemistry (5.00)
MATH 9A - First-Year Calculus (4.00) **--- And ---** **MATH 9B** - First-Year Calculus (4.00) **--- And ---** **MATH 9C** - First-Year Calculus (4.00) • *An AP exam may be used to satisfy this course requirement*	←	**MATH 1A** - Calculus (5.00) **--- And ---** **MATH 1B** - Calculus (5.00) **--- And ---** **MATH 1C** - Calculus (5.00)
PHYS 40A - General Physics (5.00)	←	**PHYS 4A** - Physics for Scientists and Engineers: Mechanics (6.00)

Select 3 Course(s) from the following
Required for admission

EE 5 - Circuits and Electronics (4.00)	←	No Course Articulated
ME 2 - Intro to Mechanical Engineering (4.00)	←	No Course Articulated
ME 9 - Engineering Graphics and Design (4.00)	←	No Course Articulated

ME 10 - Statics (4.00)	←	**ENGR 35** - Statics (4.00)
PHYS 40B - General Physics (5.00)	←	**PHYS 4C** - Physics for Scientists and Engineers: Fluids, Waves, Optics and Thermodynamics (6.00)
PHYS 40C - General Physics (5.00)	←	**PHYS 4B** - Physics for Scientists and Engineers: Electricity and Magnetism (6.00)
ME 18A - Introduction to Engineering Computation (4.00) **--- And ---** **ME 18B** - Introduction to Computational Modeling in Mechanical Engineering (4.00)	←	No Course Articulated

STRONGLY RECOMMENDED COURSES

MATH 10A - Calculus of Several Variables (4.00) **--- And ---** **MATH 10B** - Calculus of Several Variables (4.00)	←	**MATH 1C** - Calculus (5.00) **--- And ---** **MATH 1D** - Calculus (5.00)
MATH 46 - Intro to Ordinary Differential Equations (4.00)	←	**MATH 2A** - Differential Equations (5.00)

END OF AGREEMENT