

Articulation Agreement by Major

Effective during the 2021-2022 Academic Year

To: University of California, Riverside
2021-2022 General Catalog, Quarter

From: Merritt College
2021-2022 General Catalog, Semester

Computer Science with Business Applications 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.

Prior to transfer, a minimum of GPA of 2.50 is required for two major-specific course sequences.

AP Exam - Satisfy Course Requirement Section

Computer Science: A Exam

Minimum score of 4 satisfies CS 10A

Economics: Macroeconomics Exam

Minimum score of 3 satisfies ECON 2

Economics: Microeconomics Exam

Minimum score of 3 satisfies ECON 3

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

If the sending institution offers honors courses, the articulation for the same course number will be used.

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. Please visit "[GE Areas - Transfer Institution](#)" for the complete list of required GE/Breadth Articulation Agreement. For more information on BCOE breadth requirements, go to [Bourns College of Engineering Breadth Requirements](#). 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

BUS 20 - Financial Accounting and Reporting (4.00)

← **BUS 1A** - Financial Accounting (4.00)

CS 10A - Intro to Computer Science for Science, Mathematics, and Engineering I (4.00)

← **CIS 6** - Introduction to Computer Programming (5.00)

- An AP exam may be used to satisfy this course requirement

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 3A - Calculus I (5.00)

--- And ---

MATH 3B - Calculus II (5.00)

Select 3 Course(s) from the following

Required for admission

CS 11 - Intro to Discrete Structures (4.00)

Same-As: MATH 11

← **CIS 11** - Discrete Structures and Logic (4.00)

CS 10B - Intro to Computer Science for Science, Mathematics, and Engineering II (4.00)

← **CIS 7** - Control Structures and Objects (4.00)

--- And ---

CIS 33 - Software Architectures and Algorithms (4.00)

CS 10C - Intro to Data Structures and Algorithms (4.00)	← No Course Articulated
CS 61 - Machine Organization and Assembly Language Programming (4.00)	← CIS 78 - Digital Architectures for Computation (4.00)
ECON 2 - Intro to Macroeconomics (5.00) • <i>An AP exam may be used to satisfy this course requirement</i>	← ECON 1 - Principles of Economics (Macroeconomics) (3.00)
ECON 3 - Intro to Microeconomics (5.00) • <i>An AP exam may be used to satisfy this course requirement</i>	← ECON 2 - Principles of Economics (Microeconomics) (3.00)

STRONGLY RECOMMENDED COURSES

Recommended

MATH 10A - Calculus of Several Variables (4.00)	← No Course Articulated
MATH 10B - Calculus of Several Variables (4.00)	← MATH 3C - Calculus III (5.00)
MATH 31 - Applied Linear Algebra (5.00)	← MATH 3E - Linear Algebra (3.00)

END OF AGREEMENT