Assessment Placement Results:

ENGLISH _________ _____ unit course

MATH _________ _____ unit course

You can find the courses required for your transfer major by looking at www.assist.org since you are transferring to University of California, Riverside.

The department offers both Bachelor of Arts and Bachelor of Science degrees that cover a broad range of advanced course sequences in both theoretical and applied mathematics, including sequences in combinatorics, set theory and topology, numerical analysis, probability and mathematical statistics, and optimization and game theory. Offered by the Department of Mathematics in the College of Natural and Agricultural Sciences.

The B.S. in Math offers three tracks:
1. Pure Math
2. Computational Math
3. Applied Math with Options in Biology, Chemistry, Economics, Environmental Science, Physics, Statistics
### General Education & Major Prep Courses (60 units)

The following courses are suggested as co-courses for a Bachelor of Science in Environmental Science. Any course may be chosen from the [CNAS General Education Pattern](#) (see attached).

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td><strong>ENGL 101 Freshman Composition: (Area 1, Group A)</strong></td>
<td>4</td>
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<tr>
<td><strong>MATH 105 College Algebra: (Area 2, Math)</strong></td>
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<tr>
<td><strong>Humanities Course: (CNAS Requirement)</strong></td>
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<tr>
<td><em><em>ENGL 103</em> or PHIL112</em> Critical Thinking: (Area 1, Group B)**</td>
<td>4</td>
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<tr>
<td><strong>MATH 110 Pre-calculus: Prerequisite for MP (Not UC Transferrable)</strong></td>
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<tr>
<td><strong>CSIS 113A C++ Programming Level I (pre-req for CSIS 123A) -Computational Option</strong></td>
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<tr>
<td><strong>ECON 202: (CNAS Requirement) (MP for Econ Option)</strong></td>
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<td><strong>MATH 211 Calculus I: MP</strong></td>
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<td><strong>MATH 140 Statistics: MP for Statistics Option</strong></td>
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<tr>
<td><strong>CSIS 123A C++ Programming Level 2 (MP for B.S &amp; Computational Option)</strong></td>
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<td><strong>CHEM 101 General Chemistry MP for Chem &amp; Env. Options (pre-req for BIOL 150)</strong></td>
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<tr>
<td><strong>MATH 212 Calculus II: MP</strong></td>
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<td><strong>CSIS 211 Intro to Data Structures &amp; Algorithms MP for Computational Option</strong></td>
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<td><strong>CHEM 102 General Chemistry II: MP for Chem &amp; Environmental Options</strong></td>
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<td><strong>BIO 150 General Biology I: MP for Biology Option</strong></td>
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<tr>
<td><strong>Math 213 Calculus III: MP</strong></td>
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<td><strong>BIO 151 General Biology II: MP for Biology Option</strong></td>
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<td><strong>PHY 201 Mechanics and Move Motion: MP for Chem Option</strong></td>
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<td><strong>GEOL 100: (CNAS Requirement) MP for Environmental Option</strong></td>
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<td><strong>Math 215 Differential Equations MP</strong></td>
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<tr>
<td><strong>Math 218 Linear Algebra MP</strong></td>
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<tr>
<td><strong>PHY 202: Electricity and Magnetism: MP for Chem Option</strong></td>
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<td><strong>IGETC Course: (Area 6, Language Other than English) If not met in High School</strong></td>
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<tr>
<td><strong>ECON 203: (CNAS Requirement) MP for Environmental Option</strong></td>
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### ADDITIONAL REQUIREMENTS

1. Application must be submitted between November 1st to November 30th, one year prior to transfer.
2. All students should meet with a counselor at least once a semester to update their plan and review admission requirements to the university of their choice.
3. **The IGETC is not accepted for majors housed in the College of Natural and Agricultural Sciences (CNAS). Courses taken for IGETC will be applied to the College’s breadth pattern as appropriate. Please see the attached for the General Education breadth requirements for CNAS.**

*Every effort is made to keep this information current. Articulation is an ongoing project and subject to modification. Please use this form as a guideline and consult with a university representative or Mt. San Jacinto College Counselor. Also refer to [www.assist.org](http://www.assist.org) for the current IGETC/CSU GE Breath list for MSJC.*
Advising Notes:
Course work taken to satisfy a UCR breadth category must carry at least 3 semester or 4 quarter units of credit.

Unless otherwise indicated, the requirements listed below apply to both the B.A. and the B.S. degree.

This College requires students to complete the native college breadth pattern, rather than the IGETC.

Students planning to transfer into this College are encouraged to focus primarily on completion of lower division major preparation, prior to transfer. Some majors in this college require that specific lower division major course work has been completed prior to transfer. Refer to the "By Major" agreements for details about lower division preparation for these majors.

Questions regarding the applicability of community college courses to the UCR breadth requirements for this College should be directed to the College of Natural and Agricultural Sciences, Student Academic Affairs at (951) 827-7294.

- English Composition (both are required)
  (Grade of C or better required)
  ENGL 101 or 101H
  ENGL 103 or 103H

- Natural Sciences & Mathematics (5 courses required)
  (These requirements are normally satisfied through completion of the lower division requirements for the major.)
  One course in Mathematics, Statistics or Computer Science
  One course in Biological Sciences (Biochemistry, Biology, Botany, Entomology). A lab component is required.
  One course in Physical Sciences (Chemistry, Physics, Earth Sciences- excluding cultural geography courses). A lab component is required.
  Two additional courses from the Biological and/or Physical Sciences or physical or biological sciences courses offered through the Environmental Sciences department.

  (Mathematics majors: See the Mathematics major preparation agreement for specific information regarding satisfying breadth requirements.)

- Ethnic Studies (choose one)
  ANTH 125, HIST 150, 150H, 160, SOCI 106 or 115

- Social Sciences:
  B.S. Degree (3 course required)
  One course in Economics or Political Science
  PS 101, 101H, 102, 102H, 103, 103H, 104, ECON 201, 201H, 202, 202H
  One course in Anthropology; Psychology; or Sociology
  One course from Economics; Political Science; Anthropology; Psychology; Sociology; Cultural Geography; or from social science-based courses in the disciplines of Environmental Sciences; Human Development; or Women's Studies.
  Any course listed above or HIST 115

- Social Sciences:
  B.A. Degree (5 course required)
  One course in World History
  HIST 103, 103H, 104, 104H, 106 or 106H
  One course in Fine Arts. (Such courses include Art; Art History; Dance; Film and Visual Culture; Music; Theatre; or Creative Writing courses in poetry, fiction or playwriting.)
  ART 100, 101, 101H, 102, 102H, 103, 103H, 104, 104H, DAN 100, 125, 133, 140, MUS 100, 100H, 106, 107, 108, 109, ENGL 130, 130H, 225, 225H or 235, THA 101, 101H, 102, 135, 136, 137, 150, or 155
  Two courses from Literature; Philosophy; or Religious Studies
  One course from any of the following: Fine Arts (as defined above); History; Literature; Philosophy; Religious Studies; or a language other than English at the 3rd semester or 4th quarter level; or a humanities-based course in the discipline of Ethnic Studies, Linguistics, Latin American Studies; or Women's Studies.
  Any course listed above or COMM 100, HIST 101, 102, 107, 108, 111H, 112H, 126, 127, 136, 140, 151, 154, ENGL 250, 250H, SPAN 201, 201H, FREN 201 or ASL 103
B.S. Degree (3 course required)
One course in World History
HIST 103, 103H, 104, 104H, 106 or 106H
One course from Literature; Philosophy; Religious Studies; or
the Fine Arts; (Art, Art History, Dance, Film and Visual Culture,
Music, Theatre, or Creative Writing courses in poetry, fiction or
playwriting).
ART 100, 101, 101H, 102, 102H, 103, 103H, 104, 104H, DAN
100, 125, 133, MUS 100, 100H, 106, 107, 108, 109, ENGL 130,
130H, 225, 225H or 235, THA 101, 101H, 102, 135, 136, 137,
150, or 155
One course from any of the following: Fine Arts (as defined
above); History; Literature; Philosophy; Religious Studies;
or a language other than English at the 3rd semester or 4th
quarter level; or a humanities-based course in the discipline of
Ethnic Studies, Linguistics, Latin American Studies; or Women's
Studies.
Any course listed above or COMM 100, HIST 101, 102, 107, 108,
111H, 112H, 126, 127, 136, 140, 151, 154, ENGL 250, 250H,
SPAN 201, 201H, FREN 201 or ASL 103

Foreign Language: (Required for the B.A. Degree ONLY)
This requirement can be satisfied in one of two ways:
1) By demonstrating 2nd semester or 3rd quarter proficiency in
each of two different languages, with "C" grades or better.
SPAN 102, 102H, FREN 102, 102H or ASL 101

OR
2) By demonstrating 3rd semester or 4th quarter proficiency in
one language, with "C" grades or better. (Note: Biology and
Neuroscience majors earning the B.A. degree must complete
this option.)
SPAN 201, 201H, FREN 201 or ASL 103

This document is not created nor monitored by UC Riverside. It has been created by the MSJC Counseling Department for the sole purpose of transfer advising of GE Breadth into the College of Natural & Agricultural Sciences (CNAS). Courses on this document are subject to change. Please see www.assist.org.