You will be registering for Fall classes in 2 stages this summer: for most students, the first opportunity allows you to enroll in up to 16 units, and a second opportunity in September will allow you to increase to 20 units. To create your initial list of up to 16 units of courses for the Fall 2010 Quarter, follow these steps:

1) Determine your placement level in Mathematics and English (see notes on page 3). You should enroll in the appropriate courses as discussed below—one course in Mathematics, one course in English, and one Freshman Advising Seminar, if applicable. List them on your UCR Enrollment Worksheet found later in this Orientation Guide (Students planning to participate in a CNAS Freshmen Scholars Learning Community will proceed as indicated on page 4);

2) Find the recommended courses for your major listed below in the Freshman Course Planning Guide flowchart;

3) Add to your UCR Enrollment Worksheet one remaining course recommended for your major, to obtain a final list of three regular academic courses and one Freshman Advising Seminar, as directed. Do not enroll in more than 16 units total for now (you can add a 4th course in September);

4) Write down the Call Number for your preferred lecture/discussion/lab section for each course. Use the printed version of the Schedule of Classes or the online Schedule of Classes, which can be found at www.classes.ucr.edu.

5) Proceed with Growl registration as directed in the Schedule of Classes.

The average course load per quarter for UCR students who graduate in four years is 16 units, typically consisting of 4 regular academic courses, most of which are 4 units each. Students who plan to graduate in four years should complete, on average, a minimum of 45 quarter units per academic year (three regular quarters plus summer session, if applicable) in order to meet the 180-unit minimum required for graduation. Students enrolled in 12 units or more per quarter are considered full-time students for financial aid purposes.

**CNAS College Majors should enroll in the following Fall courses:**

1. **One Course in Mathematics (As indicated by your MAE score or AP Score):**
   - Calculus: Math9A (First Quarter Calculus) or Math8B (2nd Quarter Intro to College Math for the Sciences).
   - Precalculus: Math5 (Precalculus) or Math8A (1st Quarter Intro to College Math for the Sciences).
   Students with AP credit for calculus may enroll in more advanced courses such as Math 9B and 9C. Students who placed into the Intermediate Algebra Workshop (IAW) should take and complete an intermediate algebra course with a grade of C or better at a community college or UCR this summer, or at UCR (LNCR 35) this Fall. You must complete an IAW course by the end of Fall quarter to remain in the College of Natural and Agricultural Sciences. Please meet with your academic advisor for more details. (Follow the placement based on your Mathematics Advisory Exam score. Your advisor will assist you in interpreting the score. You may select a higher level of calculus only if you have Advanced Placement (AP), International Baccalaureate (IB) or transferrable college credit for calculus. See notes on page 3).

2. **One Course in English Composition:**
   - English 1A or an English Writing Course (ENGL 4 or 5) or a Basic Writing Course (BSWT 3) as placed by AP, IB or transferrable college credit. (Students who have not met the University of California Entry Level Writing Requirement should take an English Writing or a Basic Writing course determined by placement from the University of California Analytical Writing Placement Exam. Students with AP or IB credit for only one quarter of English will not enroll in English now, but will wait to take English 1B when it is available in the Winter Quarter.)

3. **One Freshman Advising Seminar,** if applicable: If you plan to be in the CNAS Scholars Learning Community, we will enroll you in the proper Freshman Advising Seminar, NASC 93 or BCH 95. Students majoring in Physics or Environmental Sciences will also need to add an additional seminar in their major field—PHYS 39 or ENSC 92, respectively. All students who are majoring in Biochemistry will enroll in BCH
Notes:

1. **Major Advice:** Before registration, you may receive specific advising on course enrollment from your major academic advisor or from undeclared academic advisors. You should follow your advisor’s specific advice. The information in this guide will provide general information about recommended Fall 2010 courses.

2. **English Requirement:** Students must take the University of California Analytical Writing Placement Exam (AWPE) for English placement. Students placed in an English Writing or Basic Writing course have not met the University of California Entry Level Writing Requirement (ELWR). Students placed in a Basic Writing course (BSWT3) must pass this course with an “S” in order to proceed to an English Writing course. Students placed in an English Writing course (ENGL 4 or 5) must pass this course with a grade of “C” or better in order to meet the University of California Entry Level Writing Requirement. See the UCR Entry Level Writing Requirement (ELWR) web site [http://english.ucr.edu/elwr/index.html](http://english.ucr.edu/elwr/index.html) for more information. Once students meet the University of California Entry Level Writing Requirement, they must then complete one full-year of English Composition or equivalent. **Students who do not meet the University of California Entry Level Writing Requirement by the end of their first year after becoming eligible to enroll in ENGL 4 or 5 are not allowed to continue as students at UCR.**

   If you did not take the University of California Analytical Writing Placement Exam in May, you must take it in July during the make-up dates listed on the following web site: [http://english.ucr.edu/elwr/test_dates.html](http://english.ucr.edu/elwr/test_dates.html). Students who have credit for English1A (AP/IB or otherwise) are exempt. Students who met the University of California Entry Level Writing Requirement as a result of their placement from the May system-wide University of California Analytical Writing Placement Exam should enroll in English1A. If you did not meet this requirement, you should have received a letter from the Director of UCR’s Entry Level Writing Requirement Office telling you in which course to enroll. Usually, students may take the University of California Analytical Writing Placement Exam only once before their initial quarter at UCR. However, students who complete preparatory work in English Writing during the summer may be retested before Fall classes begin. For more information, see the ELWR web site given above or the section entitled, **Summer Bridge Program** at UCR below. If you are not sure if you need to take the exam, or if you have any questions about your placement, please call Jill Cantonwine at the UCR University Writing Program at (951) 827-1384 or via email to jill.cantonwine@ucr.edu

3. **Mathematics:** Most freshmen in the College of Natural and Agricultural Sciences (CNAS) take either Math5, 8A, 8B, or 9A in their first quarter at UCR. However, to be properly placed in the correct level class, students must have an appropriate score on the Mathematics Advisory Examination. All entering freshmen who have not completed a transferable mathematics course or who do not have AP or IB credit in mathematics must take this placement exam before orientation. If you have not yet taken this exam you will not be able to enroll in a Mathematics course until you have completed this requirement. You will only be allowed to enroll in a mathematics course for which you have met the prerequisites.

   Students placed into MATH8A or MATH 5 precalculus course may complete it during the summer at UCR. If you complete precalculus during the summer, you will need to modify the planning for your course schedule for fall (See also **Summer Bridge Program at UCR below**). **Students who have not successfully completed Math5 or Math 8A by the beginning of their second year at UCR are not normally allowed to continue as students in the College.**

4. **Freshman Advising Seminars:** Freshman planning to participate in a CNAS Freshman Scholars Learning Community will enroll in an NASC 93 Freshman Advising for the Fall quarter. (Biochemistry majors will take BCH 95 instead of NASC 93.) Physics majors should also enroll in PHYS 39, and Environmental Science majors should enroll in ENSC 92 as well. These seminars have no prerequisites and carry one or two units of academic credit that do not meet specific degree requirements, but they will contribute to the 180-unit minimum requirement for a degree. These seminars will be graded on a Satisfactory/No Credit (S/NC) basis, and enrollments will be limited. Enrollment in one of these seminars is strongly recommended for these CNAS students as a way to get information from a member of the faculty about your intended major, academic values, ethics in research and education, the importance of faculty mentors, research opportunities, academic and career goals, and campus resources. This will be an excellent opportunity for you to take a small seminar class with a regular UCR faculty member. Students enrolling in a CNAS Freshman Scholars Learning Community will be enrolled in the applicable Freshman Advising Seminar.

5. **Chemistry:** The prerequisites for Chem1A require that you satisfy at least one of the following requirements:

   (a) Eligible to enroll in Math8B, Math9A, or higher, (see Mathematics above), or
(b) Have AP credit for Chemistry (score of 3 or better on the AP Chemistry Exam), or
(c) Pass the California Chemistry Diagnostic Test (CCDT)

Students whose major recommends chemistry should enroll in Chem 1A for Fall, if they meet course prerequisites. Otherwise, they should enroll in and pass Math 5 or Math 8A. Once the student has passed MATH 5 or 8A with a C- or higher, they can then enroll in CHEM 1A the following term. If you take Math 5 or 8A in the Fall, then you may also enroll in Chem 1W, a 3-unit chemistry workshop preparation course in the Fall. Students who enroll in Math 5 or Math 8A must also take Chem 1W if they wish to be in the CNAS Freshman Scholars Learning Community.

6. **CNAS Freshman Scholars Learning Communities:** A special UC Riverside program exclusively for first-year CNAS students interested in enhancing their academic performance and UCR experience. This program promotes student success by providing workshops and seminars to small groups of students (20-24) to ensure a successful freshman year in the sciences. The program is space-limited and applicants are considered in the order they apply without any bias or reservation. A maximum of 800 freshmen will be allowed to sign up for this program for the 10-11 academic year. The CNAS Freshman Scholars Learning Communities is a special program exclusively for first-year CNAS students who qualify (planning on enrolling in one of the several UC Riverside Math placements (Math 5, Math 8A, Math 8B, Math 9A, Math 9B, or Math 9C) and who are also eligible and will enroll into an appropriate chemistry course (Chem 1W, Chem 1A, or Chem 1HA) during Fall Quarter. Participation in the year-long program requires students to enroll and participate in a Freshman Advising Seminar (NASC 93 or BCH 95) during the Fall quarter and at least one Learning Center Workshop (LNCR 72/73) per quarter. These seminars and workshops have been statistically shown to enhance student GPA as well as an overall UC Riverside experience.

Students benefit from designed course tracks which are tailored toward their major and math placement. Students also benefit from enrollment priority and guaranteed placement in these learning community courses. Upon completion of the program, students will have the opportunity to apply for a stipend-supported, research position with a UCR tenured faculty member during Summer 2011.

Students who wish to apply for this exclusive program should listen closely to the information presented by Dr. Christopher Olivera immediately following the college academic advising session at this orientation. For more information, please email the coordinator at cnasscholars@ucr.edu.

7. **Humanities/Social Science Breadth or General Education Requirement:** Any lower division course (numbered less than 100) in the field of Humanities or Social Science can be taken, but some courses count towards fulfilling general education or breadth requirements. Your advisor may suggest specific courses for your major. Many of our students take Anthropology 1, Comparative Literature 17A, Economics 2, or 3, English 23A, History 10 or 20, Music 1, Philosophy 1 or 7, Political Science 10, or Sociology 1 as a start in fulfilling the required courses in breadth. See also the Breadth Requirements section later in this guide for a complete list of courses.

8. **Summer Bridge Program at UCR:** The Summer Bridge Program at UCR runs from July 28 through August 30. During this program, some courses will be offered that meet prerequisites for recommended Fall courses. These courses are Math 5 or Math 8A and English 4. For more information about the program call (951) 827 – 5321 or visit the website [http://www.summerbridge.ucr.edu](http://www.summerbridge.ucr.edu). CNAS students who placed into Math 8A or Math 5 should take their Math 8A or Math 5 course during Summer Bridge in order to be ready for calculus in Fall. Students placed in either English 4 or English 5 may take the Summer Bridge English 4 course to meet the Entry Level Writing Requirement. Students may take either the Math course or the English course, but not both.

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1 Economics 2 and 3 are normally taken by students majoring in Pre-Business, Economics, or Business Economics.

Freshman Advising Seminar: Biochemistry majors will take BCH 95 instead of NASC 93. CNAS Freshman Scholars students in the University Honors Program will also need to enroll in HNPG 9. See page 3 for more information regarding the CNAS Freshmen Advising Seminars.

Learning Center Workshop: The CNAS Scholars workshops are coordinated by the Learning Center, led by successful, upper-division science majors, and are designed to promote a successful freshman transition by offering valuable, supplementary instruction in the respective CNAS Scholars math and science courses. During the Fall Quarter the Learning Center will offer workshops for the following classes: Math 5, Math 8A, and Chemistry 1A.
Professional Academic Advisors

If you would like to meet with your Academic Advisor, please visit us at:

CNAS Undergraduate Academic Advising Center
1223 Pierce Hall

Phone: (951) 827-7294 or (951) 827-3102
Fax: (951) 827-2243
www.cnasstudent.ucr.edu

Faculty Advisors

<table>
<thead>
<tr>
<th>MAJOR</th>
<th>FACULTY ADVISOR</th>
<th>CONTACT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biochemistry:</td>
<td>Prof. Richard Debus</td>
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</table>
College of Natural and Agricultural Sciences B.S. Breadth Requirements

ENGLISH (12 UNITS)

ENGL001A
ENGL001B
ENGL001C (or ENGL01SC)

HUMANITIES (12 UNITS)

One (1) 4-unit course from the following:

World History 10, 15, or 20

One (1) 4-unit course from the following:

Mathematics, Statistics, or Computer Science

One (1) 4-unit course from the following:

One (1) additional 4-unit course from the subjects listed above:

SOCIAL SCIENCES (12 UNITS)

One (1) 4-unit course from the following:

Economics, Political Science

One (1) 4-unit course from the following:

Anthropology, Psychology, Sociology

One (1) additional 4-unit courses from the subjects listed above:

*Note: The Neuroscience major requires 4 additional units both in the Humanities and Social Sciences areas.

ETHNIC STUDIES (4 UNITS)

One (1) 4-unit Ethnic Studies course

*Note: The course used to fulfill the Ethnic Studies requirement can simultaneously be included in either the Humanities or Social Sciences area, but not both.

BIOLOGICAL SCIENCES (4 UNITS)

One (1) 4-unit course (with lab) from the following:

Biochemistry, Biology, Entomology, Nematology, Botany and Plant Sciences, or Plant Pathology and Microbiology

One (1) 4-unit course from the following:

Mathematics, Statistics, or Computer Science

PHYSICAL SCIENCE (4 UNITS)

One (1) 4-unit course from the following:

Chemistry, Physics, or Geology

Two (2) additional 4-unit courses from Biological or Physical Sciences:

*Note: The Biological Science, Mathematics, Physical Science and additional science requirements will be primarily met by major requirements.

Typical courses used to fulfill breadth requirements:

HUMANITIES:

Note: No more than two (2) courses in performance may be counted toward the Humanities requirement.

a. Fine Arts:

Art (ART) 1, 2, 3, 4 (performance, same as MSC 4), 5, 6 (same as MSC 6), 7 (same as MSC 7), 8, 9, 28 (same as THEA 38 & FVC 28), 65, 66

Art History (AHS) 7,8 (same as MSC 8), 15, 17A, 17B, 17C, 18 (same as ART 18), 20 (same as MSC 23), 21 (same as URST 21), 27 (same as ANTH 27), 28, 30 (same as CLA 17 & HIST 27)

Asian Studies (AST) 18 (same as AHS 18), 22 (same as MSC 22, JPN 22)

Creative Writing (CRWT) 12 (same as CPLT 12), 40 (same as MSC 39), 41, 42, 43, 44, 45, 46A, 46B, 46C, 56, 57A, 57B, 57C, 66 (same as MSC 66 & THEA 66), 70

Dance (DNCE) 5 (performance) 7, 14, 19

Media & Cultural Studies (MCS) 4 (same as ART 4), 6 (same as ART 6), 7 (same as ART 7), 8 (same as AHS 8), 15, 20, 21 (same as ART 21), 22 (same as ART 22, JPN 22), 23, (same as AHS 20), 24 (same as CPLT 24), 25 (same as ENGL 21 & THEA 21), 26 (same as CPLT 26 & EUR 26), 28 (same as THEA 38 and ART 28), 33 (same as ENGL 33), 36, 38 (CLA 45/MSC 38 can count as a Fine Art or Literature requirement, but not both), 39 (same as CRWT 40), 43, 46, 66 (same as CRWT 66 & THEA 66)

Music (MUS) 1, 2, 3, 5, 6 (same as ANTH 6), 8, 9, 10, 14 (same as ETST 14, URST 14), 15 (same as LNST 15), 16 (same as LNST 16), 20, 30A, 30B, 30C

Theater (THEA) 10 (performance), 21 (same as ENGL 21 & MSC 25), 22, 38 (same as ART 28 & MSC 28), 66 (same as CRWT 66 & MSC 66), 70

b. Literature:

Asian Studies (AST) 62 (same as CPLT 62), 63 (same as CPLT 63)

English (ENGL) 12A, 12B, 12C, 12D, 12E-Z thru 22, 33 (same as MSC 33), 21 (same as THEA 21 & MSC 21), 22

Classics (CLA) 10A, 10B, 10C, 17 (same as HIST 27 & AHS 30), 27A, 27B 40, 45 (CLA 45/FVC 38 can count as a Fine Art or Literature requirement, but not both)

Comparative Literature (CPLT) 12 (same as CRWT 12), 15,17A, 17B, 17C,20, 21 (same as MCLT 21), 22A (same as WMST 22A), 22B (same as WMST 22B), 24 (same as MSC 24), 25, 26 (same as EUR 26 & MCLT 26), 27, 28,29, 62 (same as AST 62), 63 (same as AST 63)

c. Philosophy:

Philosophy (PHIL) 1, 2, 3, 4, 5, 6, 7, 8, 9, 9H, 10, 10H, 12, 30I

d. Religious Studies:

Religious Studies (RLST) 2, 5, 7, 8, 9, 10, 11, 12 (same as ETST12), 14, 15, 24 (same as HIST 34), 30, 39, 44 (same as HIST 44)

**Additional courses that can be used for the unspecified portion of the Humanities Requirement:

Asian Studies (AST) 30 (same as CHN 30), 32 (same as JPN 32), 34 (same as JPN 34), 40 (same as CHN 40), 45E-Z, 65

Classics (CLA) 20, 30

Ethnic Studies (ETST) 1, 3, 4 (same as HIST 4), 5, 7, 8, 12 (same as RLST12), 14 (same as MUS 14, URST 14), 61 (same as HIST 61), 71, 91

Foreign Language (For B.A. at level 3 or above; For B.A. at level 4 or above)

History (HIST) 1, 4 (same as ETST 4), 17A, 17B, 24, 25, 26, 27 (same as CLA 17 & AHS 30), 30, 32, 33, 34 (same as RLST 24), 35, 36, 37, 38, 44 (same as RLST 44), 45E-Z (same as AST 45E-Z), 51, 52, 60, 61 (same as ETST 61), 75


European Civilization (EURO) 17A, 17B, 26 (same as CPLT26 & MSC 26), 30W, 47

Linguistics (LING) 20, 21

Media & Cultural Studies (MCS) 20

Urban Studies (URST) 10 (same as SOC 10), 14 (same as MUS 14, ETST 14), 21 (same as AHS 21)

Women's Studies (WMST) 10, 20, 22A (same as CPLT 22A), 22B (same as CPLT 22B)

Comparative Ancient Civilizations (CPAC) 1, 2

Latin American Studies (LNST) 1

Global Studies (GBST) 1

SOCIAL SCIENCES:

Economics (ECON) 1, 2, 3, 4, 6 (Same as ENSC 6)

Political Science (POSC) 5, 7, 10, 15, 17, 20 (NOTE: Credit is awarded for only one of POSC 15 or 17)

Anthropology (ANTH) 1, 2, 3, 4, 5, 6 (same as MUS 6), 10, 12, 20, 26, 27 (same as AHS 27), 28, 30

Psychology (PSYC) 1, 2, 49

Sociology (SOC) 1, 1H, 4, 5, 6, 10 (same as URST10), 15, 20, 25, 28, 30, 31, 35, 36, 40, 41

**Additional courses that can be used for the unspecified portion of the Social Science Requirement:

Ethnic Studies (ETST) 1, 2, 3, 4, 5, 7, 12 (same as RLST12), 72, 91

Environmental Sciences (ENMC) 6 (same as ECON)

Humanities & Social Sciences (HASS) 20A, 20B, 21A, 22A (NOTE: HASS 21A and HASS 22A can be counted toward either the additional humanities or the additional social sciences requirement, but not both)

Comparative Ancient Civilizations (CPAC) 1, 2

Global Studies (GBST) 2

Women's Studies (WMST) 1, 11, 20
**Typical courses used to fulfill breadth requirements:**

**HUMANITIES:**
Note: No more than two (2) courses in performance may be counted toward the Humanities requirement.

- a. Fine Arts:
  - Art (ART) 1, 2, 3, 4 (performance, same as MSC 4), 5, 6 (same as MSC 6), 7 (same as MSC 7), 8, 9, 28 (same as THEA 38 & FVC 28), 65, 66
  - Art History (AHS) 7,8 (same as MSC 8), 15, 17A, 17B, 17C, 18 (same as ART 18), 20 (same as MSC 23), 21 (same as URST 21), 27 (same as ANTH 27), 28, 30 (same as CLA 17 & HIST 27)
  - Asian Studies (AST) 18 (same as AHS 18), 22 (same as MSC 22, JPN 22)
  - Creative Writing (CRWT) 12 (same as CLP 12), 40 (same as MSC 39), 41, 42, 43, 44, 45, 46, 46B, 46C, 56, 57A, 57B, 57C, 66 (same as MSC 66 & THEA 66), 70

- b. Literature:
  - Asian Studies (AST) 62 (same as CPLT 62), 63 (same as CPLT 63)
  - English (ENGL) 12A, 12B, 12C, 12D, 12E-Z thru 22, 33 (same as MSC 33), 21 (same as THEA 21 & MSC 21), 22
  - Classics (CLA) 10A, 10B, 10C, 17 (same as HIST 27 & AHS 30), 27A, 27B 40, 45 (same as CLP 45/ FVC 38 can count as a Fine Art or Literature requirement, but not both), 39 (same as CRWT 40), 43, 46, 66 (same as CRWT 66 & THEA 66)
  - Music (MUS) 1, 2, 3, 5, 6 (same as ANTH 6), 8, 9, 10, 14 (same as ETST 14, URST 14), 15 (same as LNST 15), 16 (same as LNST 16), 20, 30A, 30B, 30C
  - Theater (THEA) 10 (performance), 21 (same as ENGL 21 & MSC 25), 22, 38 (same as ART 28 & MSC 28), 66 (same as CRWT 66 & MSC 66), 70

- c. Philosophy:
  - Philosophy (PHIL) 1, 2, 3, 4, 5, 6, 7, 8, 9, 9H, 10, 10H, 12, 30I

- d. Religious Studies:
  - Religious Studies (RLST) 2, 5, 7, 8, 9, 10, 11, 12 (same as ETST12), 14, 15, 24 (same as HIST 34), 30, 39, 44 (same as HIST 44)

- **Additional courses that can be used for the unspecified portion of the Humanities Requirement:**
  - Asian Studies (AST) 30 (same as CHN 30), 32 (same as JPN 32), 34 (same as JPNI 34), 40 (same as CHN 40), 45E-Z, 65
  - Classics (CLA) 20, 30
  - Ethnic Studies (ETST) 1, 3, 4 (same as HIST 4), 5, 7, 8, 12 (same as RLST12), 14 (same as MUS 14, URST 14), 61 (same as HIST 61), 71, 91
  - Foreign Language (For B.S. at level 3 or above; For B.A. at level 4 or above)
  - History (HIST) 1, 4 (same as ETST 4), 17A, 17B, 24, 25, 26, 27 (same as CLA 17 & AHS 30), 30, 32, 33, 34 (same as RLST 24), 35, 36, 37, 38, 44 (same as RLST 44), 45E-Z (same as AST 45E-Z), 51, 52, 60, 61 (same as ETST 61), 75
  - European Civilization (EURO) 17A, 17B, 26 (same as CPLT26 & MSC 26), 30W, 47
  - Linguistics (LING) 20, 21
  - Media & Cultural Studies (MCS) 20
  - Urban Studies (URST) 10 (same as SOC 10), 14 (same as MUS 14, ETST 14), 21 (same as AHS 21)
  - Women's Studies (WMST) 10, 20, 22A (same as CPLT 22A), 22B (same as CPLT 22B)
  - Comparative Ancient Civilizations (CPAC) 1, 2
  - Latin American Studies (LNS1) 1
  - Global Studies (GBST) 1

**SOCIAL SCIENCES:**
- Economics (ECON) 1, 2, 3, 4, 6 (Same as ENSC 6)
- Political Science (POSC) 5, 7, 10, 15, 17, 20 (NOTE: Credit is awarded for only one of POSC 15 or 17)
- Anthropology (ANTH) 1, 2, 3, 4, 5, 6 (same as MUS 6), 10, 12, 20, 26, 27 (same as AHS 27), 28, 30
- Psychology (PSYC) 1, 2, 49
- Sociology (SOC) 1, 1H, 4, 5, 6, 10 (same as URST10), 15, 20, 25, 28, 30, 31, 35, 36, 40, 41

- **Additional courses that can be used for the unspecified portion of the Social Science Requirement:**
  - Ethnic Studies (ETST) 1, 2, 3, 5, 7, 12 (same as RLST12), 72, 91
  - Environmental Sciences (ENSC) 6 (same as ECON)
  - Humanities & Social Sciences (HASS) 20A, 20B, 21A, 22A (NOTE: HASS 21A and HASS 22A can be counted toward either the additional humanities or the additional social sciences requirement, but not both)
  - Comparative Ancient Civilizations (CPAC) 1, 2
  - Global Studies (GBST) 2
  - Women's Studies (WMST) 1, 11, 20
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<th>Option 1</th>
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Art History (AHS)- Art History provides the framework for the critical study of a wide range of global visual culture from different periods of human history and in all media.

Anthropology (ANTH)- Anthropologists study the way diverse groups of people understand and live in various settings ranging from urban environments to rural villages all over the world.

Art (ART)- Courses are offered in the following curricular areas: photography, digital art, video, two- and three-dimensional media (painting, drawing, sculpture, installation), and critical theory.

Asian Studies (AST)- Asian Studies is designed to engage students with the histories, cultures, and peoples of South, Southeast, East, and Northeast Asia.

Biochemistry (BCH)- Biochemistry is the study of the chemical processes in living organisms. It deals with the structure and function of cellular components, such as proteins, carbohydrates, lipids, nucleic acids, and other biomolecules.

Bioengineering (BIEN)- Bioengineering is rooted in physics, mathematics, chemistry, biology, and the life sciences. It is the application of a systematic, quantitative, and integrative way of thinking about and approaching the solutions of problems important to biology, health, and clinical practice.

Biology (BIOL)- Biology conducts research, teaching, and service in many areas of the life sciences, including animal behavior, behavioral endocrinology, bioinformatics, cell biology, conservation biology, developmental biology, ecology, evolution, molecular biology, physiology, population biology, and systematics.

Conservation Biology (BLCN)- Conservation biology is an interdisciplinary subject drawing on biological, physical and social sciences, economics, and the practice of natural-resource management.

Biological Sciences (BLSC)-

Botany and Plant Sciences (BPSC)- The department has strong programs in basic plant cell biology, responses of plant to environmental stresses, plant ecology, genetics, genomics, and evolution.

Business Administration (BSAD)- Business Administration provides courses in marketing, management science, production and operations management, corporate finance and investment, cost and management accounting, and organizational behavior introduce the student to the functional areas of business.

Basic Writing (BSWT)- Designed for students who need instruction in English as a second language.

Business Administration (BUS)- Business Administration provides courses in marketing, management science, production and operations management, corporate finance and investment, cost and management accounting, and organizational behavior introduce the student to the functional areas of business.

Cell Biology and Neuroscience (CBNS)- Cell Biology and Neuroscience uses multidisciplinary approaches to understanding basic cellular processes in various tissues, including the nervous system, as well as more integrative levels of analysis, including behavior.

Chemical and Environmental Engineering (CEE)- Chemical Engineering focuses on transforming raw materials into useful everyday products. Environmental Engineering deals with design and construction of processes and equipment intended to lessen the impact of man's activities on the environment.

Chemical Engineering (CHE)- Chemical Engineering focuses on transforming raw materials into useful everyday products.

Chemistry (CHEM)- Chemistry is the science concerned with the composition, structure, and properties of matter, as well as the changes it undergoes during chemical reactions.

CHASS F1rst Year (CHFY)- CHASS F1RST provides first-year students with courses designed to help with the transition to UCR, a major research university setting, which involves high academic standards and rigorous course work. The courses offer students the resources and tools necessary to excel in the first year and beyond.

Chinese (CHN)- The study of Chinese culture, literature, or language.

Classical Studies (CLA)- Classical Studies combines the study of Greek and/or Latin language and literature with courses which explore the historical, philosophical, political, and cultural developments of Greece and Rome and their impact on Western civilization.

Cell, Molecular, and Developmental Biology (CMDB)- The Cell, Molecular, and Developmental Biology focuses on the bridge between basic and applied research and on the interface between cell, molecular, and developmental biology.

Comparative Ancient Civilizations (CPAC)- Comparative Ancient Civilizations, students employ the methods of humanities and social sciences in the comparison study of several major cultures of the past.

Comparative Literature (CPLT)- Comparative Literature encourages study of interliterary relationships among various cultural traditions.

Creative Writing (CRWT)- Creative Writing offers a series of workshop courses in poetry, fiction, playwriting, screenwriting, and nonfiction as well as reading courses in poetry and fiction presented from a writer’s point of view.

Computer Science (CS)- Computer Science stresses the study of core and advanced computer science topics. It prepares students for a large variety of careers in computing, including software engineering, networks, databases, graphics, algorithms, security, system analysis, and embedded systems.

Dance (DNCE)- Dance focuses on choreography and cultivation of cultural and historical perspectives on dance. Movement practices, dance composition, performance, pedagogies, cultural and historical studies, and digital or screen studies courses are required.

Economics (ECON)- Economics studies the production and distribution of goods and services, as well as the way in which productive activity helps shape social existence.
Education (EDUC): Education encompasses both the teaching and learning of knowledge, proper conduct, and technical competency.

Electrical Engineering (EE): Electrical Engineering studies the application of electricity, electronics and electromagnetism.

English (ENGL): English courses develop the skill of writing effective prose, a skill essential to undergraduate work and to communication in society generally.

Engineering (ENGR): Engineering is the discipline and profession of applying technical and scientific knowledge and utilizing natural laws and physical resources in order to design and implement materials, structures, machines, devices, systems, and processes that realize a desired objective and meet specified criteria.

Environmental Sciences (ENSC): Environmental Sciences seeks to expand knowledge of the physical, chemical, biological and human components of the Earth System, through cutting edge research, rigorous student training and service to the community.

Entomology (ENTM): Entomology is the scientific study of insects.

Environmental Toxicology (ENTX): Environmental Toxicology is designed to teach students the scientific principles of toxicology and it focuses primarily upon the biology, chemistry, and mechanisms by which xenobiotics and natural toxins interact with the biosphere, including humans.

Environmental Engineering (ENVE): Environmental Engineering deals with design and construction of processes and equipment intended to lessen the impact of man’s activities on the environment.

Ethnic Studies (ETST): Ethnic Studies is the systematic and comparative study of the social construction of race, racism, and racial or ethnic subordination, and the history, culture, and contemporary experiences of racial or ethnic groups who have not been fully incorporated into U.S. society.

French (FREN): The study of French culture, literature, or language.

Global Studies (GBST): Global Studies is a broad-based study of processes and problems that transcend national boundaries, preparing students to become global thinkers and problem solvers for the twenty-first century.

Genetics (GEN): Genetics is a discipline of biology, is the science of heredity and variation in living organisms.

Geosciences (GEO): Geology studies the structure, composition, processes, and history of the earth. In particular, Geology stresses features of the Earth’s surface and interactions between its atmosphere, hydrosphere, biosphere, rocky crust, and interior.

German (GER): The study of German culture, literature, or language.

Greek (GRK): The study of Greek culture, literature, or language.

Humanities, Arts, and Social Sciences (HASS): The Humanities, Arts, and Social Sciences courses are designed for students who have specific interests that cannot be accommodated within any one of the departments in the College of Humanities, Arts, and Social Sciences.


History of Europe (HISE): The study of the History throughout Europe.

History (HIST): History stresses an understanding of changes that take place in society over time. It also provides a meaning to the past that has many implications for the future.

Honors Program (HNP): Honors courses are special seminars, projects, and other courses designed to introduce honors students to the rewards of scholarship and research.

Italian (ITAL): The study of Italian culture, literature, or language.

Japanese (JPN): The study of Japanese culture, literature, or language.

Korean (KOR): The study of Korean culture, literature, or language.

Labor Studies (LABR): Labor studies focuses on the conditions, activities, and struggles of workers and other members of the working class from an international, contemporary, comparative and historical perspective.

Latin (LATN): The study of Latin culture, literature, or language.

Linguistics (LING): Linguistics is the science of language. It seeks to discover the psychological and motor mechanisms of human speech, the similarities and differences among languages, how languages change, and the way in which language is acquired.

Learning Center (LNCR): Study skills courses designed to engage students in the learning process.

Latin American Studies (LNS): Latin American Studies explores a wide range of subjects of particular interest—from religious cults in the Caribbean to indigenous video in the Andes or the dynamics of agrarian reform in rural Mexico.

Lesbian, Gay, Bisexual, Intersexual, and Transgender Studies (LGBS): Lesbian, Gay, Bisexual, Intersexual, and Transgender Studies reflects current critical, theoretical, and methodological developments across several disciplines that focus on lesbian, gay, and bisexual issues.

Law and Society (LWSO): Law and Society provides understanding in some complex relationships between social institutions.

Mathematics (MATH): Mathematics is the body of knowledge centered on such concepts as quantity, structure, space, and change, and also the academic discipline that studies them.

Microbiology (MCBL): Microbiology is the study of microorganisms, which are unicellular or cell-cluster microscopic organisms.

Media & Cultural Studies (MCST): An interdisciplinary examination of film, video, television, multimedia, and visual culture with a primary emphasis on history and theory and a secondary focus on production.

Mechanical Engineering (ME): Mechanical Engineering is an engineering discipline that involves the application of principles of physics for analysis, design, manufacturing, and maintenance of mechanical systems.

Management (MGT): The course of study provides a balanced approach to the art and science of management, with an emphasis on managing through information, and recognizes the global context of management in today’s business world.

Materials Science and Engineering (MISE): Materials Science & Engineering is the study of materials and how we use them to create useful things for everyday life.
Music (MUS): Music courses offer knowledge and awareness of music as a worldwide cultural phenomenon and develops critical acumen through a manifold approach to sound in its many cultural settings.

Natural and Agricultural Sciences (NASC): Seminar courses designed to supplement the learning process.

Nematology (NEM): Nematology is the study of roundworms, the most genetically diverse invertebrate phylum that occurs worldwide in virtually every environment. Only about 3 percent of all species have been studied or identified, and these include significant parasites of humans, animals, and plants.

Neuroscience (NRESC): Neuroscience emphasizes the functioning of nervous systems at the molecular, cellular, system, behavioral, and cognitive levels. Some of the topics covered include neuroanatomy, neurophysiology, and neurochemistry in humans and other animals; neural mechanisms underlying sensory system function and perception; neural organization of behavior; development of the nervous system; and neural mechanisms of learning and memory.

Public Policy (PBPL): Public policy analysis is the use of decision making theory and evidence-based methods to the study of substantive public policy problems.

Philosophy (PHIL): Philosophy discusses important issues and arguments surrounding such subjects as morality, knowledge, the nature of the mind and of the physical world, science, and language.

Physics (PHYS): Physics is the science of matter and its motion, as well as space and time. It uses concepts such as energy, force, mass, and charge. Physics is an experimental science, creating theories that are tested against observations.

Plant Pathology (PLPA): Plant pathology is the scientific study of plant diseases caused by pathogens and environmental conditions.

Portuguese (PORT): The study of Portuguese culture, literature, or language.

Political Science (POSC): Political science aims to provide an understanding of basic political processes and institutions as these operate in different national and cultural contexts.

Psychology (PSYC): Psychology is an academic and applied discipline involving the scientific study of mental processes and behavior. Psychologists study such phenomena as perception, cognition, emotion, personality, behavior, and interpersonal relationships.

Religious Studies (RLST): Religious Studies provides an opportunity for students to gain a broad, cross cultural perspective by studying the diverse religious traditions of the world.

Russian Studies (RUSSN): The study of Russian culture, literature, or language.

Southeast Asian Studies (SEAS): Southeast Asian Studies is the study of the arts and cultural life in Southeast Asia and the diasporas.

Sociology (SOC): Sociology is the scientific study of human behavior, interaction and organization.

Spanish (SPN): The study of Spanish culture, literature, or language.

Statistics (STAT): Statistics presents a comprehensive spectrum of statistical and probability theory, in so far as such theory is necessary for the understanding and analysis of observational data.

Soil and Water Sciences (SWSC): Soil and Water Science is the study of vital resources in urban, agricultural, and natural ecosystems.

Tagalog (TAG): The study of Tagalog culture, literature, or language.

Theatre (THEA): Theatre courses focus on three broad areas of theatre — its literature, history, and criticism; performance, design, direction, and technology; and the elements of production.

Urban Studies (URST): Urban Studies is an adaptation of a well-developed interdisciplinary focus on urban concepts, issues, and problems in order to offer the chance for increased understanding of urban processes.

Vietnamese (VNM): The study of Vietnamese culture, literature, or language.

Women’s Studies (WMST): Women’s Studies offers a coherent interdisciplinary curriculum with a major field of study in the areas of gender and sexuality.
Included in each Freshman Orientation session below is time for the freshmen to meet with their major academic advisor (or an undeclared advisor) for major-specific advising for approximately 1.5 hours.

### Freshmen

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<th>Major</th>
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<td>All Biochemistry Freshman</td>
<td>Monday, September 20th</td>
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<td><em>Humanities Theater 400</em></td>
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<tr>
<td>All Biological Sciences Freshman</td>
<td>Monday, September 20th</td>
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<td><em>Humanities Theater 400</em></td>
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<td>All Biology Freshman</td>
<td>Tuesday, September 21st</td>
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<td><em>Bourns B118</em></td>
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<td>All Freshman majors in Entomology, Neuroscience, Plant Biology, and</td>
<td>Tuesday, September 21st</td>
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<td>Undeclared Life Sciences</td>
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<tr>
<td>All Freshman majors in Chemistry, Environmental Sciences, Geology,</td>
<td>Wednesday, September 22nd</td>
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<td>Geophysics, Geoscience Education, Mathematics, Mathematics for</td>
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<td>Secondary School Teachers, Physics, Statistics, Undeclared Mathematical</td>
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<td>Sciences, and Undeclared Physical Sciences</td>
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### Transfer Students

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