

BS CHEMISTRY - ACS CERTIFIED

- CHEM 1450: College Chemistry 1
- CHEM 1451: College Chemistry 2
- CHEM 2401: Organic 1
- CHEM 3411: Organic 2
- CHEM 3211: Organic Spectroscopy
- CHEM 3520: Quantitative Analysis
- CHEM 4451: Advanced Analytical
- CHEM 4450: Physical Chemistry 1
- CHEM 4460: Physical Chemistry 2
- CHEM 4380: Advanced Inorganic
- CHEM 3150: Inorganic Laboratory
- CHEM 4320: Biochemistry 1
- CHEM 4201: Research
- CHEM 4112: Seminar
- One of the following
 - CHEM 3360: Intermediate Inorganic
 - CHEM 4335: Biochemistry 2
 - CHEM 4351: Environmental Chemistry
 - CHEM 4385: Special Topics
- MATH 1496: Calculus 1
- MATH 1497: Calculus 2
- MATH 2441: Calculus 3
- MATH 3331: Differential Equations
- PHYS 1441: University Physics 1(or PHYS 1410, College Physics 1, if approved)
- PHYS 1442: University Physics 2(or PHYS 1420, College Physics 2, if approved)
- BIOL 1440 (prerequisite for CHEM 4320)

For complete current guidelines and course descriptions including all prerequisites consult the current UCA bulletin online.

UCA CORE LOWER-DIVISION (GENERAL EDUCATION) CHECK SHEET

- Students **MUST** take one of the courses listed below from the Critical Inquiry, Diversity, or Responsible Living areas as a First Year Seminar (FYS) in their first year. See the online class schedule to find FYS sections. Students needing remediation in reading or writing may not enroll in a FYS until they have completed their remediation.
- Students **MUST** take a Quantitative course, a Natural Science course, and the Written Communication course sequence (Writing Foundation + Research and Writing) in their first year unless the requirement was already met or remediation is required.
- Students **MUST** take at least one course in the Fine Arts (designated FA) and one course in the Humanities (designated HUM).
- A notation in [SQUARE BRACKETS] following selected courses indicates the corresponding Arkansas Course Transfer System (ACTS) index number. For more information, see [UBulletin, ACTS](#)

CRITICAL INQUIRY (20 hours)

QUANTITATIVE (3 hours)

- MATH 1360 Quantitative Literacy [MATH1003]
- MATH 1390 College Algebra [MATH1103]

OR, if required by the student's program of study or with consent of the dept.

- MATH 1392 Plane Trigonometry* [MATH1203]
- MATH 1395 Business Calculus*
- MATH 1491 Calculus for the Life Sciences*
- MATH 1580 Algebra and Trigonometry* [MATH1305]
- MATH 1496 Calculus I* [MATH2405]

NATURAL SCIENCES (8 hours)

Physical Science – Choose 1

- CHEM 1400 Chemistry in Society [CHEM1004]
- PHYS 1400 Physical Science for General Education [PHSC1004]
- PHYS 1401 Descriptive Astronomy [PHSC1204]

OR, if required by the student's program of study or with consent of the dept.

- CHEM 1450 College Chemistry I* [CHEM1414]
- CHEM 1402 General Chemistry for Health Sciences* [CHEM1214]
- PHYS 1405 Applied Physics*
- PHYS 1410 College Physics 1* [PHYS2014]
- PHYS 1441 University Physics 1* [PHYS2034]

Life Science – Choose 1

- BIOL 1400 Biology for General Education [BIOL1004]
- BIOL 1440 Principles of Biology I* [BIOL1014]

INQUIRY AND ANALYSIS (9 hours)

American History and Government – Choose 1

- HIST 2301 American Nation I [HIST2113]
- HIST 2302 American Nation II [HIST2123]
- PSCI 1330 U.S. Government and Politics [PLSC2003]

Social Science – Choose 1

Students MUST take an additional Social Science course (designated SS) either in the Diversity and World Cultures category or in the Responsible Living category.

- BUAD 2301 CoB Travel Class for Critical Inquiry (SS)
- ECON 2320 Principles of Macroeconomics* [ECON2103]
- ECON 2321 Principles of Microeconomics* [ECON2203]
- GEOG 1305 Principles of Geography [GEOG1103]
- MGMT 2341 Principles of Management
- PSCI 1300 Introduction to Political Science
- PSCI 1330 US Government and Politics [PLSC2003]
- PSCI 2300 International Relations
- PSYC 1300 General Psychology [PSYC1103]
- SOC 1300 Principles of Sociology [SOC1013]

Fine Arts/Humanities – Choose 1

- ART 2300 Art Appreciation (FA) [ARTA1003]
- AFAM 1330 African and African-American Studies (HUM)
- ENGL 1350 Introduction to Literature (HUM)
- ENGL 1355 Film and Literature (HUM)
- FILM 2300 Film Appreciation (FA)
- CHIN 2320 Intermediate Chinese II or FREN 2320 Intermediate II [FREN2023] or GERM 2320 Intermediate II [GERM2023] or SPAN 2320 Intermediate III (HUM)*
- LALS 2310 Latinos in the United States (HUM)
- PHIL 1301 Philosophy for Living (HUM) [PHIL1103]
- PHIL 2305 Critical Thinking (HUM) [PHIL1003]
- RELG 1330 Exploring Religion (HUM)
- THEA 2300 Theatre Appreciation (FA) [DRAM1003]
- WLAN/LING 2350 World Languages (HUM)
- HONC 1310 Honors Core I (HUM)**

COMMUNICATION (9 hours)

WRITING FOUNDATION (3 hours)

Writing Foundation MUST be taken on initial enrollment unless the requirement was already met or remediation is required.

- WRTG 1310 Introduction to College Writing [ENGL1013] or
- HONC 1310 Honors Core I**

RESEARCH AND WRITING (3 hours)

- WRTG 1320 Academic Writing and Research [ENGL1023] or
- HONC 1320 Honors Core II** or
- ENGL 1320 Interdisciplinary Writing and Research [ENGL1023]

ORAL COMMUNICATION (3 hours)

- SPCH 1300 Principles of Communication [SPCH1003]
- MGMT 2301 Business Communication [BUSI2013]

OR, if required by the student's program of study or with consent of the dept.

- MKTG 2376 Business Innovation and Creativity

DIVERSITY (6 hours)

DIVERSITY IN CREATIVE WORKS (3 hours)

- ENGL 2370 Introduction to Fiction (HUM)
- ENGL 2380 Introduction to Poetry (HUM)
- ENGL 2390 Introduction to Drama (HUM)
- MUS 2300 Music Appreciation (FA) [MUSC1003]
- SPCH 1305 Communication, Culture, and the Arts (FA)
- WLAN 2315 Cultural Studies (HUM)
- WRTG 2310 Introduction to Creative Writing (FA)
- HONC 2320 Honors Core IV (FA)**

DIVERSITY IN WORLD CULTURES (3 hours)

- ANTH 1302 Introduction to Anthropology (SS) [ANTH1013]
- BUAD 2302 CoB Travel Class for Diversity in World Cultures (SS)
- ECON 2310 Global Environment of Business (SS)
- ENGL 2305 World Literature I (HUM) [ENGL2113]
- ENGL 2306 World Literature II (HUM) [ENGL2123]
- ENGL 2320 Asian Literature (HUM)
- GEOG 1300 Geography of World Regions (SS) [GEOG2103]
- HIST 1310 World History I (SS) [HIST1113]
- HIST 1320 World History II (SS) [HIST1123]
- LALS 2300 Latin American Cultures (HUM)
- LING 1310 Language, Culture, and Society (SS)
- PHIL 1330 World Philosophies (HUM)
- RELG 1320 World Religions (HUM)
- WLAN 2325 Cultural Identity in the African Diaspora (HUM)
- HONC 2310 Honors Core III (HUM)**

RESPONSIBLE LIVING (3 hours)

- BUAD 2303 CoB Travel Class for Responsible Living (SS)
- ECON 1310 Modern Political Economy (SS)
- FACS 2341 Lifespan Development
- FACS 2351 Family Relations
- FINA 2330 Personal Finance (SS)
- HED 1320 Concepts of Lifetime Health and Fitness
- HED 2320 Mental Health (SS)
- KPED 1320 Concepts of Lifetime Health and Fitness
- MCOM 1300 Media and Society
- NUTR 1300 Nutrition in the Lifecycle
- PHIL 2325 Contemporary Moral Problems (HUM)
- PHIL 2360 Gender, Race, and Class (HUM)
- PSCI 2315 Introduction to Political Theory (SS)
- SOC 2325 Social Problems (SS) [SOC1013]
- SPCH 1306 Communication and Civic Engagement
- WRTG 2325 Introduction to Rhetoric
- HONC 1320 Honors Core II (SS)**
- HONC 2310 Honors Core III (HUM)**

* This course has prerequisites: Check the Undergraduate Bulletin for details.

** HONC courses require consent of the Honors College.

ADDITIONAL INFORMATION:

- If the ACT subscore in Reading, English, or Mathematics is below 19, remediation is required before enrolling in certain UCA Core courses.
- Some majors require specific UCA Core courses.
- Courses may be used only once to satisfy the UCA Core.
- A grade of C or better is required in some UCA Core courses.
- For additional information, consult your academic advisor or the Undergraduate Bulletin.