Arts & Sciences Minors for Business Majors
J. William Fulbright College of Arts and Sciences

Students in the Walton College may choose to pursue an academic minor in the J. William Fulbright College of Arts and Sciences. Academic minors usually consist of 15 to 18 hours of course work, and students are encouraged to meet with an advisor within their minor department for instruction on appropriate courses. Specific requirements for each minor may be found in the Catalog of Studies. Each student must notify the Undergraduate Programs Office of his/her intent to minor. Minors may be chosen from the following fields:

- African and African American Studies
- Anthropology
- Arabic
- Art History/Criticism
- Asian Studies
- Biology
- Business (A&S majors only)
- Chemistry
- Chinese
- Classical Studies
- Communication
- Computer Science
- Drama
- Economics (A&S majors only)
- English
- European Studies
- French
- Gender Studies
- Geography
- Geology
- German
- Historic Preservation
- History
- Japanese
- Latin American and Latino Studies
- Legal Studies
- Mathematics
- Medieval and Renaissance Studies
- Middle East Studies
- Music
- Philosophy
- Physics
- Political Science
- Psychology
- Religious Studies
- Social Work
- Sociology
- Spanish
- Statistics
- Sustainability

**African and African American Studies:** HIST 3233, HIST 3243 and one of the following ANTH 4513, ANTH 4583, or SOCI 4073. In addition, at least 6 hours of approved elective courses. Interested students should consult with the African/African American Studies Chairman for selection of appropriate classes.

**Anthropology:** 15 hours including ANTH 1023. At least 9 hours must be in courses numbered 3000 or above. Students who minor in anthropology should consult with an anthropology adviser to select appropriate courses.

**Art History/Criticism:** A minimum of 18 semester hours to include ARTS 1013, ARHS 2913, ARHS 2923, and three additional art history courses exclusive of seminars.

**Asian Studies:** Students may earn a minor in Asian Studies by taking courses in art, anthropology, economics, geography, history, languages, sociology, political science, and literature of Asia. Language Requirement: Students must fulfill the Fulbright College requirement in either Chinese or Japanese. At the discretion of the chair of studies, proficiency in other Asian languages may also satisfy this requirement. Beyond the language requirement, students must complete 15 credit hours of approved courses, including at least three hours in the
Asian Studies Colloquium (AIST 4003). The following courses may be taken in fulfillment of the elective requirements:

Approved AIST Electives
- ECON 3933 Japanese Economic System
- ECON 4633 International Trade Policy
- HIST 4813 History of China to 1644
- HIST 4823 Modern China
- JAPN 4213 Japanese Culture
- JAPN 4313/4313H Language and Society of Japan
- MUSY 4113H Honors Ethnomusicology
- MUSY 4313H Special Topics in Asian and Middle Eastern Musics
- MUSY 477V/477VH Independent Research in Ethnomusicology
- PLSC 3503 Government and Politics of East Asia
- PLSC 4823 Foreign Policy of East Asia

Students may also apply three hours of credit in an approved study-abroad program in an Asian country and three hours of upper-level Chinese or Japanese toward the minor.

Other courses, MGMT 4583, International Management, and Performing Arts of East Asia, may be taken for credit toward the minor with the approval of the chair of Asian Studies.

**Biology:** Students must take BIOL 1543/1541L, or equivalent, three biology core courses and two BIOL electives as outlined in the requirements for a B.A. degree in biology. A fourth biology core course may be selected as one of the electives.

**Chemistry:** 18 hours of courses above the 1000 level including CHEM 2263, CHEM 2261L, CHEM 3603/3601L, CHEM 3613/3611L, CHEM 3453, and a 3-hour course at the 3000-4000 level.

**Classical Studies:** Students should select appropriate courses from the following areas:
1. 9 hours of Ancient Greek or Latin courses numbered above 2000,
2. 6 hours of additional work in classical languages and/or specific classical studies-related electives, to be selected from the following courses: ARCH 2233, ARHS 4833, ARHS 4843, CLST 1003, CLST 1013, HIST 4003, HIST 4013, HIST 4023, HIST 4043, HIST 4053, PHIL 4003, PHIL 4013, PHIL 4023.
3. Three hours of a classical studies colloquium (CLST 4003H).

**Communication:** 21 hours including at least 12 hours must be numbered 3000 or above. A student should consult with an adviser in the department for appropriate courses.

**Computer Science:** CSCE 2004, CSCE 2014, CSCE 3193, and three additional CSCE courses numbered above 2000.

**Drama:** A minimum of 18 semester hours in drama, including DRAM 1223 or DRAM 1003 or DRAM 1003H. One of the following courses or course/lab combinations is also required: DRAM 1313 and 1311L, or DRAM 1323 and 1321L, or DRAM 1683. The remaining hours
must be selected from courses at the 3000- or 4000-level, the specific courses to be determined by the student in consultation with a drama department faculty adviser.

**English:** 18 hours of English (not counting ENGL 0003, ENGL 1013, ENGL 1023, and ENGL 2003) to include any nine hours of survey courses (chosen from ENGL 2303, ENGL 2313, ENGL 2323, ENGL 2343, and ENGL 2353) and nine additional hours chosen from English courses numbered above 3000 and WLIT courses above 2333.

**European Studies:** EUST 2013 Introduction to Europe and EUST 4003 Colloquium and 6 hours language 3000-4000-level. described below under the requirements for the major. They also must complete at least 12 hours from among the electives on page 157 Catalog Studies 2011. At least 3 of these credit hours may come from the study abroad experience. Study Abroad for Minors: Students wishing to minor in EUST will be required to participate in a European study abroad program of at least 3 weeks duration. Exemptions to this requirement will be considered on the same basis as exemptions to the study abroad requirement for the major.

**Requirements for a Minor in Foreign Languages:**

**Arabic:** 15 hours in courses numbered 3000 or above. Specific courses required are ARAB 3016, ARAB 4016, and ARAB 4023 or ARAB 4053.

**French:** 15 hours in courses numbered 3000 or above. Specific courses required are FREN 3003, FREN 3113, FREN 4003, and FREN 4033. In some cases, specific course requirements may be adjusted to the individual needs of the candidate with the permission of the French adviser.

**German:** 15 hours in courses numbered 3000 or above. Specific courses required are GERM 3003, GERM 4003, GERM 4213 and three hours of literature.

**Spanish:** 15 hours in courses numbered 3000 or above. Specific courses required are SPAN 3003, SPAN 3033, and SPAN 4003 with six additional hours selected in consultation with the Spanish adviser.

**Requirements for a Minor in Foreign Languages with a Business Orientation:**

**Chinese:** Students in the Minor program in Chinese with a Business Orientation must complete 15 credit hours of upper-level Chinese courses. Required courses are CHIN 3003, CHIN 3033, CHIN 3103, and CHIN4333; in addition to these four courses, students must choose one of the following elective courses: CHIN 3983 or CHIN 4313. In some cases, elective courses may be adjusted to the individual needs of the candidate with the permission of the Chinese adviser.

**French:** Courses required are FREN 3003, FREN 3103, FREN 4003, FREN 4033, and FREN 4333.

**Spanish:** Courses required are SPAN 3003, SPAN 3033, SPAN 3103, SPAN 4003, and SPAN 4333. In some cases, specific course requirements may be adjusted
to the individual needs of the candidate with the permission of the Spanish adviser.

**Japanese:** Students in the Minor program in Japanese with a Business Orientation must complete 15 credit hours of upper-level Japanese courses. Required courses are:
- Advanced Japanese (6 credit hours): JAPN 3003, JAPN 3013, or JAPN 3116
- Core Requirements: (6 credit hours): JAPN 3033, and JAPN 4333
- Electives (3 credit hours): JAPN 3983, JAPN 4213 or JAPN 4313

In some cases, elective courses may be adjusted to the individual needs of the candidate with the permission of the Japanese adviser.

**Gender Studies:** The student must complete 15 credit hours of regular courses listed below or special topics and seminars found in each semester’s schedule of classes under Gender Studies, including HUMN 2003 Introduction to Gender Studies:
- ANTH 3163 Male and Female
- ANTH 3523 Gender and Politics in Latin America
- CLST 4003H Rome on Film
- COMM 3433 Family Communication
- COMM 3983 Rhetoric of American Women
- COMM 4333 Communication and Gender
- HIST 3083 Women and Christianity
- HIST 3923H Honors Colloquium: The History of Sex/Sexuality in America
- HIST 3923H Honors Colloquium: Russian and Soviet Women
- HIST 4133 Society and Gender in Modern Europe
- HIST 4413 New Women in the Middle East
- HUMN 2003 Intro. to Gender Studies
- HUMN 3923H Honors Intro. to Gender Studies
- LAST 4003 Latina Writers
- PLSC 4573 Gender and Politics
- SOCI 4133 The Family
- WLIT 3983 Women and Arabic Literature

**Geography:** 15 hours in geography to include GEOG 1123. At least 6 hours must be numbered 3000 or above and must include one regional and one topical course.

**Historic Preservation:** 18 hours from each of the following:
- ARCH 1003, or both ARCH 1212 and 1222, or equivalent class in architecture
- GEOG 4063, or LARC 3413, or equivalent class in urban studies
- ANTH 4443, or equivalent class in cultural resources
- GEOL 1133, or equivalent class in the human and physical aspects of the Earth
- GEOS 3023 or equivalent class in spatial representation and visualization
- GEOG 3033 Building Materials Field Studies and Laboratory is the required field and laboratory-based capstone course that will require two weekends (Saturday and Sunday) for completion. One semester participation in the University of Arkansas’ Rome Program will substitute for six (6) credits from class sections “a” (Architectural History) and “b” (Urban Studies) listed above.
Geology: A minor in geology shall be awarded upon completion of the following course work: GEOL 1113/1111L (or 3002), GEOL 1133/1131L, GEOL 2313, two courses at the 3000-level, and one course at the 4000 level.

History: 21 semester hours to include the following: HIST 1113 or HIST 1123 (or HUMN 1114H or HUMN 1124H) HIST 2003 or HIST 2013 15 hours of upper-level credit, at least 6 hours of which are at the 4000-level.

Latin American and Latino Studies: LAST 4003 and language SPAN 2013 (or equivalent) and must complete 12 hours from among the electives listed on page 172 Catalog of Studies 2011-2012. Electives must include courses from at least two different academic departments. Included in the 12 hours may be 3 additional hours of LAST 4003, provided the topic is different.

Mathematics: MATH 2603, 2564, and 9 hours (3 courses) selected from MATH 2574, MATH 3083 or 3093, MATH 3103, MATH 3113, MATH 3404, and MATH 4513.

Medieval and Renaissance Studies (MRST): (15 credit hours) Students must take HIST 1113H or HIST 1113, Honors World Civilization I or non-honors section, or HUMN 1124H (the Medieval segment of the Honors Humanities Project) and complete at least 12 additional credit hours listed on page 176 Catalog of Studies 2011-2012 or approved by the Chair of Studies. A maximum of 6 hours may be presented from courses taken in the student’s designated major.

Middle East Studies: Total Hours Required: (18 semester hours) Students must complete MEST 2013 Introduction to Middle East Studies (3 hours), MEST 4003 MEST Colloquium, 6 hours of Arabic beyond the Fulbright College language proficiency requirement (ARAB 2013), and a minimum of 6 additional hours of MEST core courses.

Music: A minimum of 18 semester hours in music courses, of which at least nine hours must be selected from MUTH, MUHS, and/or MLIT courses, the specific courses to be determined by the student in consultation with a music faculty adviser, the adviser to be appointed by the music faculty on the basis of each student’s particular interests.

Philosophy: 18 semester hours in philosophy to include PHIL 2203 or PHIL 4253, and either PHIL 4003 or PHIL 4033. A student may earn either a minor or a combined major in philosophy but not both.

Physics: Students wishing to obtain a minor in physics must take either PHYS 2013/2011L, PHYS 2033/2031L or PHYS 2054/2050L, PHYS 2074/2070L, plus at least seven additional hours of physics courses numbered 3000 or above.

Political Science: 18 hours including PLSC 2003 or PLSC 2013. At least 9 of these hours must be in courses numbered 3000 or above, and courses must be chosen from at least two of the five political science fields.

Psychology: Minimum of 18 hours including PSYC 2003, PSYC 2013, and PSYC 3073. A maximum of three hours of PSYC 206V and/or PSYC 207V can be counted toward meeting the
minor requirement. A grade of “C” or better is required in all psychology courses used to satisfy the 18 hours of the minor. In addition, a 2.00 cumulative grade-point average is required on all work completed in the Department of Psychology.

**Religious Studies Minor:** Students must complete 15 upper level (3000-4000) credit hours selected from the areas of emphasis listed on page 192 Catalog of Studies 2011-2012

**Social Work:** 18 hours including SCWK 2133, SCWK 3193, and SCWK 4153 (required) and any other nine hours of social work electives.

**Sociology:** 19 semester hours in sociology to include SOCI 2013, SOCI 3301L, SOCI 3303, SOCI 3313, and at least nine hours of 3000-level classes or above. A student must notify the department of her or his intent to minor.

**Statistics:** MATH 2554 and 12 hours of noncross-listed courses in statistics, including 9 hours in courses numbered 3000 and above.

**Sustainability:** Students must earn a grade of ‘C’ or better for all courses used to fulfill requirements of the minor in Sustainability. (18 hours total)

- SUST 1103 Fundamentals of Sustainability
- SUST 2103 Applications of Sustainability
- SUST 4103 Capstone Project in Sustainability or substitute approved by UA Sustainability Curriculum Steering Committee to serve as capstone experience for the Foundations in Sustainability minor.

Elective courses with sustainability focus selected from a broad menu of offerings in four thematic areas: Natural, Social, Built, and Managed systems

1. **Sustainability of Natural Systems (9 hours)**

   6 hrs chosen from below:
   - BENG 4903 Watershed Ecology & Hydrology (CVEG 3213)
   - BIOL 3863/BIOL 3861L General Ecology and lab
   - General Ecology 7 hours of biological sciences
   - CSES 3214 Soil Resources & Nutrient Cycles (CSES 2203 and lab component)
   - ENSC 3003 Introduction to Water Science (ENGL 1023 and ENSC 1003 or CHEM 1053 or higher or GEOL 1113 or higher or BIOL 1543)
   - ENSC 3103 Plants and Environmental Restoration (CSES 1203 or HORT 2003 or BIOL 1613)
   - ENSC 3223/3221L Ecosystem Assessment and lab (BIOL 1543, CSES 2203, ENSC 3003)
   - ENSC 3263 Soil and Water Conservation (CSES 2203)
   - ENSC 4023 Water Quality (CHEM 1123/1121L)
   - ENSC 4263 Environmental Soil Science (CSES 3214)

   3 hrs chosen from below:
   - BIOL 1543/1541L Principles of Biology and lab
   - CHEM 1103 University Chemistry I; the lab component, CHEM 1101L, is recommended (MATH 1203 and Drill)
   - CHEM 1123/1121L University Chemistry II and lab (MATH 1203, CHEM 1103)
   - CSES 2203/2201L Soil Science and lab (CHEM 1103 or CHEM 1074; Same as ENSC 2203)
2. **Sustainability of Managed Systems (9 hours):**
   
   6 hrs chosen from below:
   - AGEC 3413 Principles of Environmental Economics (AGEC 1103 or ECON 2023)
   - AGEC 3523 Environmental and Natural Resource Law
   - AGED 4003 Issues in Agriculture Junior standing
   - CSES 3214 Soil Resources and Nutrient Cycles with lab (CSES 2203)
   - ECON 3843 Economic Development, Poverty, & the Role of the World Bank and IMF in Low-Income Countries (ECON 2013 and ECON 2023, or ECON 2143)
   - ENSC 3103 Plants and Environmental Restoration (CSES 1203 or HORT 2003 or BIOL 1613)
   - ENSC 3223/3221L Ecosystems Assessment and lab (BIOL 1543, CSES 2203, and ENSC 3003)
   - ENSC 3263 Soil and Water Conservation with lab component (CSES 2203)
   - ENSC 4023 Water Quality with lab component (CHEM 1123/CHEM 1121L)
   - ENSC 4263 Environmental Soil Science (CSES 3214)
   - HORT 3503 Sustainability and Organic Horticulture (suggested but not required: BIOL 1613, CSES 1203, CSES 1003, or HORT 2003)
   - WCOB 3023 Sustainability in Business (Junior standing)

   3 hrs chosen from below:
   - AGED 4443 Methods of Technological Change (Junior standing)
   - AGME 1613 Fundamentals of Agricultural Systems Technology with lab component
   - CSES 2012 Organic Crop Production
   - CSES 2203/2201L Soil Science with drill (CHEM 1103 or CHEM 1074; Same as ENSC 2203)
   - ENSC 1003 Environmental Science
   - MGMT 4243 Ethics & Corporate Responsibility (Junior standing)

3. **Sustainability of Built Systems (9 hours):**
   
   6 hrs chosen from below:
   - ARCH 4023H Sustainability and Design Permission of instructor
   - CVEG 488V Sustainability in Civil Engineering (CVEG majors)
   - GEOG 4383 Hazard Assessment and Risk Policy (Junior standing)
• INEG 4583 Renewable Energy: Green Power Sources (Senior standing)
• MEEG 4453 Industrial Waste and Energy Management (MEEG 4413 or equivalent)
• MEEG 4473 Indoor Environmental Design (MEEG 4413 or equivalent)
• LARC 40?? Sustainable Housing (4th year standing)
• LARC 40?? Alternative Stormwater Management

3 hrs chosen from below:
• GEOG 3543 Geographic Information Science
• GEOG 4063 Urban Geography (Junior standing)
• ARCH 2114 Building Environmental Technology: Passive Systems Buildings (ARCH 1024 and ARCH 1222, Corequisite: ARCH 2016)
• ARCH3134 Building Systems: Lighting, Acoustics, and HVAC (ARCH 2124, Corequisite: ARCH 3016)
• LARC 4743 Site Planning in Landscape Architecture
• CVEG 3243 Environmental Engineering with lab component (MATH 3404 and CHEM 1123)
• CVEG 4243 Environmental Engineering Design (CVEG 3243)
• CVEG 4323 Design of Structural Systems (CVEG 4303 and CVEG 4313)
• CSCE 4233 Low Power Digital Systems (CSCE 2123)

4. Sustainability of Social Systems (9 hours)

6 hrs chosen from below:
• AGEC 3523 Environmental and Natural Resource Law
• AGEC 4163 Agriculture and Rural Development (AGEC 1103 or ECON 2023)
• COMM 4643 Environmental Communications
• ENGL 4133 Environmental Literature and Nature Writing
• ENSC 3933/ PHIL 3113 Environmental Ethics (ENSC 1003 or PHIL 2003 or PHIL 2103)
• GEOS 4693 Environmental Justice
• RESM 1023 Recreation and Natural Resources (RESM 1003)
• RESM 4023 Outdoor Adventure Leadership
• RSOC 4603/SOCI 4603 Environmental Sociology

3 hrs chosen from below:
• ANTH 4143 Ecological Anthropology
• HIST 4773 Environmental History
• HLSC 6553 Environmental Health
• HLSC 4643/5643 Multicultural Health
• SCWK 4093 Human Behavior and Social Environments I (PSYC 2003, SOCI 2013, SCWK 2133, and SCWK 3193 and either BIOL 1543/1541L, or ANTH 1013/1011L)
• SCWK 4103 Human Behavior and Social Environments II (SCWK 4093 and SCWK 4153)
• SCWK 3193 Human Diversity and Social Work
• SOCI 2033 Social Problems
• SOCI 3013 Population and Society
• SOCI 3193 Race, Class, Gender in the U.S. (SOCI 2013)
• SOCI 4013 Special Topics: The City (SOCI 2013)
Additional Minors

**Dale Bumpers College of Agricultural, Food and Life Sciences**
Agricultural Communications (ACOM-M)
Agricultural Education (AGED-M)
Agricultural Systems Technology Management (ASTM-M)
Agricultural Business (AGBS-M)
Global Agricultural, Food and Life Sciences (AFLS-M)
Equine Science (EQSC-M)
Crop Biotechnology (CPBT-M)
Crop Management (CPMG-M)
Wildlife Habitat (WLHA-M)
Environmental, Soil, and Water Science (ESWS-M)
Entomology (ENTO-M)
Food Science (FDSC-M)
Horticulture (HORT-M)
Landscape Horticulture (LHRT-M)
Turf Management (TURF-M)
Plant Pathology (PLPA-M)
Pest Management (PMGT-M)
Poultry Science (POSC-M)
General Foods and Nutrition (GFNU-M)
Human Development and Family Sciences (HDFS-M)

**Fay Jones School of Architecture**
Interior Design (IDESM)

**College of Education and Health Professions**
Recreation and Sport Management (RESM-M)