Academic Map: Pre-Pharmacy

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| **Department:** | Chemistry | **Degree:** | N/A |
| **Program/Major:** | Pre-Pharmacy – UAMS College of Pharmacy |  |  |

**Important program information in the online *Undergraduate Bulletin*:**

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| --- | --- |
| **Program description**: | <http://uca.edu/ubulletin2015/colleges-departments-programs/pre-professional-programs/pre-pharmacy/> |
| **Course descriptions**: | <http://uca.edu/ubulletin2015/courses/> |

**Total hours required for this pre-professional program of study: 69**

Comparable courses in the Arkansas Course Transfer System (ACTS) are cross-referenced in the ACTS column of each semester block below; a [core link](http://uca.edu/ubulletin/ldcore/) (http://uca.edu/ubulletin/ldcore/) takes the user to the *Undergraduate Bulletin*’s UCA Lower-Division Core check sheet, where UCA Core options and ACTS course numbers are listed in full; an [acts link](http://uca.edu/ubulletin/arkansas-course-transfer-system/) takes the user to the *Undergraduate Bulletin*'s ACTS page (http://uca.edu/ubulletin/arkansas-course-transfer-system/) for additional information and a UCA-ACTS crosswalk.

Year 1

Fall (Credit hours: 17)

| SUBJ | NUM | TITLE | SCH | ACTS |
| --- | --- | --- | --- | --- |
| WRTG | 1310 | Introduction to College Writing | 3 | ENGL1013 |
| CHEM | 1450 | College Chemistry I | 4 | CHEM1414 |
| BIOL | 1440 | Principles of Biology I | 4 | BIOL1014 |
|  |  | Elective[[1]](#endnote-1) | 3 | [acts link](http://uca.edu/ubulletin/arkansas-course-transfer-system/) |
| ECON  ACCT | 1310 or 2310 or 2310 | Modern Political Economy or Global Environment of Business or Principles of Accounting I | 3 | ACCT2003 |

Spring (Credit hours: 18)

| SUBJ | NUM | TITLE | SCH | ACTS |
| --- | --- | --- | --- | --- |
| WRTG ENGL | 1320 1320 | Academic Writing and Research or Interdisciplinary Writing and Research | 3 | ENGL1023 ENGL1023 |
| CHEM | 1451 | College Chemistry II | 4 | CHEM1424 |
| BIOL | 1441 | Principles of Biology II | 4 |  |
| MATH | 1491 or 1496 | Applied Calculus for the Life Sciences or Calculus I[[2]](#endnote-2) | 4 | MATH2405 |
|  |  | Elective1 | 3 | [acts link](http://uca.edu/ubulletin/arkansas-course-transfer-system/) |

Year 2

Fall (Credit hours: 16 or 18)

| SUBJ | NUM | TITLE | SCH | ACTS |
| --- | --- | --- | --- | --- |
| CHEM | 2401 | Organic Chemistry I | 4 |  |
| SPCH ENGL  WRTG | 1300 or 2305 or 2306 or 3310 | Basic Oral Communication or World Literature I or World Literature II or Technical Writing or | 3 | SPCH1003 ENGL2113 ENGL2123 |
|  |  | Selective (recommended: BIOL 2405)[[3]](#endnote-3) | 3 - 4 | [acts link](http://uca.edu/go/acts) |
|  |  | Selective3 | 3 - 4 | [acts link](http://uca.edu/go/acts) |
|  |  | Elective1 | 3 | [acts link](http://uca.edu/go/acts) |

Spring (Credit hours: 18)

| SUBJ | NUM | TITLE | SCH | ACTS |
| --- | --- | --- | --- | --- |
| CHEM | 3411 | Organic Chemistry II | 4 |  |
| PHYS | 1410 | College Physics 1 | 4 | PHYS2014 |
| BIOL | 2411 or 3420[[4]](#endnote-4) | Microbiology in Human Affairs General Microbiology | 4 | BIOL2004 |
|  |  | Selective3 | 3 | [acts link](http://uca.edu/go/acts) |
|  |  | Elective1 | 3 | [acts link](http://uca.edu/go/acts) |

**General Note**: This 2-year Program Completion Plan is specific as regards prerequisites for admission to the University of Arkansas for Medical Sciences (UAMS) College of Pharmacy. UAMS requirements can change and other pharmacy schools may have different requirements, so consultation with a pre-pharmacy advisor is strongly encouraged. No course can be used to satisfy the requirements in more than one area. No more than 8 hours of CLEP/AP credit can be used for CORE courses (BIOL, CHEM, PHYS, MATH), and no more than 12 hours of CLEP/AP can be used for NON-CORE courses. A course must be on the official transcript and may be accepted as meeting a pre-pharmacy requirement as determined by the UAMS Registrar.

1. ELECTIVES to bring total to at least 69 credit hours. ACCEPTABLE: Survey courses in art, music, history, theater, literature, philosophy, religion, foreign language (maximum of six hours), sign language, psychology, sociology, anthropology, political science, and geography. UNACCEPTABLE: Courses in health, physical education, business, natural science, military science, education, studio courses in art, music, or theater, and computer science. [↑](#endnote-ref-1)
2. MATH 1390 is a prerequisite for MATH 1491; MATH 1390 and MATH 1392 are prerequisites for MATH 1496. MATH 1390 and/or MATH 1392 WILL NOT COUNT toward completion of the 69-hour pre-pharmacy requirement. [↑](#endnote-ref-2)
3. SELECTIVES. 9 hours (minimum of3 classes) chosen from the following: BIOL 2405, BIOL 2490, BIOL 3402, BIOL 3420, BIOL4311, CHEM 3520, CHEM 4320, MATH 1497, MATH 2311 or PSYC 2330, PHIL 2305 or PHIL 2310, PHYS 1420. [↑](#endnote-ref-3)
4. MICROBIOLOGY. If you decide to take BIOL 3420 for the microbiology requirement, you will need to take BIOL 2490 (Genetics) as a prerequisite. It can be used as one of your 3 SELECTIVE courses. This would be important if you were considering a degree in Chemistry (Biochemistry Track), Biology, or General Science. [↑](#endnote-ref-4)