

Suggested Pre-Pharmacy Non-Degree Plan

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

The plan below does not result in a degree from UCA. Students are *strongly encouraged* to also pursue a four-degree degree plan in addition to what is outlined below. Students should discuss with academic advisers compatible four-year plans that will make use of the courses outlined below.

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/academicbulletins/ld-uca-core/) (http://uca.edu/academicbulletins/ld-uca-core/) 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/academicbulletins/acts/) takes the user to the *Undergraduate Bulletin's* ACTS page (http://uca.edu/academicbulletins/acts/) 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	3	acts link
ECON	1310 or 2310 or 2310	Modern Political Economy Global Environment of Business Principles of Accounting I	3	ACCT2003

Spring (Credit hours: 18)

SUBJ	NUM	TITLE	SCH	ACTS
WRTG	1320	Academic Writing and Research (or ENGL 1320)	3	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 Calculus I ²	4	MATH2405
		Elective ¹	3	acts link

Year 2

Fall (Credit hours: 16 or 17)

SUBJ	NUM	TITLE	SCH	ACTS
CHEM	2401	Organic Chemistry I	4	
SPCH ENGL WRTG	1300 or 2305 or 2306 or 3310	Basic Oral Communication World Literature I World Literature II Technical Writing	3	SPCH1003 ENGL2113 ENGL2123
		Selective (recommended: BIOL 2405) ³	3/4	acts link
		Selective ³	3	acts link
		Elective ¹	3	acts link

Spring (Credit hours: 18)

SUBJ	NUM	TITLE	SCH	ACTS
CHEM	3411	Organic Chemistry II	4	
PHYS	1410 or 1441	College Physics 1 University Physics 1 ⁵	4	PHYS2014
BIOL	2411 or 3420 ⁴	Microbiology in Human Affairs General Microbiology	4	BIOL2004
		Selective ³	min 3	acts link
		Elective ¹	3	acts link

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.

Notes

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.

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.

³ SELECTIVES. 9 hours (minimum of 3 classes) chosen from the following: BIOL 2405, BIOL 2490, BIOL 3402, BIOL 3420, BIOL4311, CHEM 3520, CHEM 4320, MATH 1592, MATH 2311 or PSYC 2330, PHIL 2305 or PHIL 2310, PHYS 1420.

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.

⁵ University Physics 1 is a reasonable alternative if you are considering a degree in Chemistry.