

Natural Science Major, Physical Science Option

(120 hours required, with 40 hours 3000-4000 level courses)

Fall Semester, Year 1		Hours	Spring Semester, Year 1		Hours
ENGL 1013 ACTS ENGL 1013	Composition I	3	ENGL 1023 ACTS ENGL 1013	Composition II	3
MATH 1043 ACTS MATH 1103	College Algebra	3	MATH 1033 ACTS MATH 1203	Trigonometry	3
ESCI 1063 ACTS ESCI 1114	Elements of Geology	3	ESCI 1073 ACTS ESCI 1104	Earth and Atmosphere	3
ESCI 1051 ACTS ESCI 1114	Elements of Geology Lab	1	ESCI 1081 ACTS ESCI 1104	Earth and Atmosphere Lab	1
*(1)	Fine Arts Apprec. Gen Ed Req.	3	*(2)	Social Sciences Gen Ed Req.#2	3
*(2)	Social Sciences Gen Ed Req. #1	3		Elective	3
Total		16	Total		16

Fall Semester, Year 2		Hours	Spring Semester, Year 2		Hours	
CHEM 1103 ACTS CHEM 1414	General Chemistry I	3	CHEM 1113 ACTS CHEM 1424	General Chemistry II	3	
CHEM 1121 ACTS CHEM 1414	General Chemistry I Lab	1	CHEM 1131 ACTS CHEM 1424	General Chemistry II Lab	1	
ESCI 1033 & ESCI 1041 ACTS ESCI 1204 & ESCI 1204 or ESCI 1123 & ESCI 1131	Elements of Astronomy & Elements of Astronomy Lab	3	MATH 1073 ACTS MATH 2203	Compact Calculus or Calculus I	3 or 5	
		1				
	Meteorology & Meteorology Lab	or 3	MATH 2255 ACTS MATH 2405			
		1	BIOL 1063	Introduction to Biological Science	3	
			BIOL 1071	Intro. to Biological Science Lab	1	
*(3)	Speech General Ed Req	3	*(5)	History or Gov. General Ed Req	3	
*(4)	Humanities Gen Ed Req	3				
Total		14	Total		14-16	

Fall Semester, Year 3		Hours	Spring Semester, Year 3		Hours
CHEM 3404	Organic Chemistry I	4	CHEM 3414	Organic Chemistry II	4
PHYS 2203 ACTS PHYS 2014	College Physics I	3	PHYS 2213 ACTS PHYS 2044	College Physics II	3
PHYS 2231 ACTS PHYS 2014	College & Univ. Physics I Lab	1	PHYS 2241 ACTS PHYS 2044	College & Univ. Physics II Lab	1
	Upper Level Elective	3		Upper Level Elective	4
	Upper Level Elective	3		Upper Level Elective	3
Total		14	Total		15

Fall Semester, Year 4		Hours	Spring Semester, Year 4		Hours
CHEM 3314	Quantitative Analysis	4	CHEM/PHYS	Chemistry or Physics Elective	4
CHEM/PHYS	Chemistry or Physics Elective	4		Upper Level Elective	4
	Upper Level Elective	4		Upper Level Elective	3
	Elective	3		Elective	3
				Elective as needed to reach 120 hrs and 40 hours 3000-4000 level	0-2
Total		15	Total		14-16

*(1) Fine Arts Appreciation can be either ART 1053 Art Appreciation (ACTS ARTA 1003), FA 1013 Film Appreciation, or MUS 1113 Music Appreciation (ACTS MUSC 1003)

*(2) Social Sciences Gen Ed Requirements can be filled with two courses of the following **from two different disciplines**: ANTH 2203 (ACTS ANTH 2013) Cultural Anthropology, CJ 1013 (ACTS CRJU 1023) Introduction to Criminal Justice, ECON 2203 (ACTS ECON 2103) Principles of Macroeconomics, ECON 2213 (ACTS ECON 2203) Principles of Microeconomics, GEOG 2213 (ACTS GEOG 1103) Geography I, GEOG 2223 Geography II, HIST 1013 (HIST 1113) Surv of Civ I, HIST 1023 (ACTS HIST 1123) Survey of Civ II, PSY 1013 (ACTS PSYC 1103) Introduction to Psychology, SOC 2213 (ACTS SOCI 1013) Introduction to Sociology, SWK 1013 Introduction to Social Work. If you are applying to medical school at UAMS and other colleges of medicine, you should take PSY 1013 (ACTS PSYC 1103) Introduction to Psychology, SOC 2213 (ACTS SOCI 1013) Introduction to Sociology to complete your social science electives. These courses will be required courses at most colleges of medicine and material from these courses will be on the MCAT exam. It may be a good idea to take PSY 2203 Statistical Methods as a general elective to help prepare you for material that will be on the new MCAT exams.

*(3) Speech General Ed Requirement can be: COMM 1023 (ACTS SPCH 1003) Public Speaking, COMM 2283 Business and Prof. Speech, or COMM 2203 Interpersonal Communication

*(4) Humanities General Ed. Requirement can be: ENGL 2283 (ACTS ENGL 2113) World Lit I or ENGL 2293 (ACTS ENGL 2123) World Lit II

*(5) History or Government General Ed. Requirement can be: HIST 2213 (ACTS HIST 2113) American History I, HIST 2223 (ACTS HIST 2123) American History II, or PSCI 2213 (ACTS PLSC 2003) American National Government

A student with a good math background may elect to take Calculus I as the first college math course. If this is the case, College Algebra and Trigonometry may be waived; however, additional hours must be taken to reach the 120 hours needed for graduation.

No minor is required; however, the Teaching and Learning minor is encouraged for those planning to teach, or the Coaching minor for those planning to coach. Those courses will replace several of the electives shown above. See the current catalog for courses.

Students required to enroll in remedial courses will need to take additional hours per term, or attend summer school.