

Chemistry Core and Major Requirements (Bachelor of Arts) – Catalog Year 2009

Course prerequisites in parentheses

**See Catalog of Studies and/or advisor for prerequisite information.

Hrs	Course Requirements	Hrs	Course Requirements	Hrs	Course Requirements
6	Freshmen Composition: <input type="checkbox"/> ENGL 1013 and <input type="checkbox"/> ENGL 1023	3	Philosophy: <input type="checkbox"/> PHIL 2003 or <input type="checkbox"/> PHIL 2103	6	Western or World Civilization: <input type="checkbox"/> HIST 1003 and <input type="checkbox"/> HIST 1013 or <input type="checkbox"/> HIST 1113 and <input type="checkbox"/> HIST 1123
0-3	Advanced Composition: <input type="checkbox"/> ENGL 2003 or <input type="checkbox"/> ENGL 2013 <i>Exemption may be granted by:</i> 1) grade of at least "B" in ENGL 1013 and "A" in ENGL 1023 taken at the U of A, or 2) passing exemption exam	3-4	Mathematics: <input type="checkbox"/> MATH 2043 (<i>Math 1203 or equiv.</i>) or <input type="checkbox"/> MATH 2053 (<i>Math 1202 or equiv.</i>) or <input type="checkbox"/> MATH 2183 (<i>Math 1202 or equiv.</i>) or <input type="checkbox"/> MATH 2554 (<i>Math 1203 & 1213 or Math 1285 or equiv</i>)	12	Natural Sciences: At least 4 hours must be chosen from biological and 4 hours from physical. Biological Sciences <input type="checkbox"/> ANTH 1013/1011L <input type="checkbox"/> BIOL 1543/1541 L <input type="checkbox"/> BIOL 1613/1611L** <input type="checkbox"/> BIOL 2013/2011L** <input type="checkbox"/> BIOL 1603/1601L** Physical Sciences <input type="checkbox"/> ASTR 2003/2001L <input type="checkbox"/> CHEM 1053/1051L <input type="checkbox"/> CHEM 1103/1101L** <input type="checkbox"/> CHEM 1123/1121L** <input type="checkbox"/> GEOL 1113/1111L <input type="checkbox"/> GEOL 1133/1131L <input type="checkbox"/> PHYS 1023/1021L <input type="checkbox"/> PHYS 2013/2011L** <input type="checkbox"/> PHYS 2033/2031L** <input type="checkbox"/> PHYS 2054/2050** <input type="checkbox"/> PHYS 2074/2070**
6	Fine Arts: <input type="checkbox"/> ARCH 1003 or LARC 1003 <input type="checkbox"/> ARHS 1003 or ARTS 1003 <input type="checkbox"/> COMM 1003 <input type="checkbox"/> DANC 1003 <input type="checkbox"/> DRAM 1003 <input type="checkbox"/> HUMN 1003 <input type="checkbox"/> MLIT 1003	6	Social Science: <input type="checkbox"/> ECON 2013 (<i>Math 1203</i>) or ECON 2143 <input type="checkbox"/> SOCI 2013 or SOCI 2033 <input type="checkbox"/> ANTH 1023 <input type="checkbox"/> GEOG 2003 <input type="checkbox"/> PLSC 2013 <input type="checkbox"/> PSYC 2003		
3	Communication: <input type="checkbox"/> COMM 1313	3	U.S. History/American Government: <input type="checkbox"/> HIST 2003 or <input type="checkbox"/> HIST 2013 or <input type="checkbox"/> PLSC 2003		
6	World Literature: <input type="checkbox"/> WLIT 1113 and <input type="checkbox"/> WLIT 1123 (<i>WLIT 1113</i>), or <input type="checkbox"/> FLAN literature course, any other WLIT course, CLST 1003, or CLST 1013	0-12	Foreign Language ¹ : See advisor for placement <input type="checkbox"/> Completion of the Intermediate II level (2013) in a single language.		

Major Requirements for Chemistry:

- ❖ Completion of the following Chemistry courses:
 - CHEM 1213/1211L Chemistry for Majors I/ Lab AND CHEM 1223/1221L Chemistry for Majors II/ Lab (*CHEM 1213/1211L or CHEM 1103/1101L*)
 - OR
 - CHEM 1103/1101L University Chemistry I/ Lab AND CHEM 1123/1121L University Chemistry II/ Lab (*CHEM 1103*)
 And then:
 - CHEM 2262 Analytical Chemistry Lecture AND (*CHEM 1123/1121L or CHEM 1074/1071L and MATH 1203*)
 - CHEM 2272 Analytical Chemistry Laboratory (*CHEM 1123/1121L or CHEM 1074/1071L and MATH 1203*)
- ❖ An additional 18 hours to include:
 - CHEM 3703/3702L Organic Chemistry I/ Lab for Majors (*CHEM 1123/1121L*) AND CHEM 3713/3712L Organic Chemistry II/ Lab for Majors (*CHEM 1123/1121L*)
 - OR
 - CHEM 3603/3601L Organic Chemistry I/ Lab (*CHEM 1123/1121L*) AND - *Primarily for non-majors & BA majors*
 - CHEM 3613/3611L Organic Chemistry II/ Lab (*CHEM 1123/1121L and CHEM 3603/3601L*)
 And either:
 - CHEM 3453/3451L Elements of Physical Chem/ Lab (*CHEM 2262 & 2272 & PHYS 2033/2031L & MATH 2043 or MATH 2554*) - *Primarily for non-majors & BA majors*
 - Or the combination of
 - CHEM 3504 Physical Chemistry (*Pre or Co: MATH 2564; pre: CHEM 1123/1121L and PHYS 2074*)
 - CHEM 3514/3512L Physical Chemistry II/ Lab (*CHEM 3504*)
- ❖ An additional 2 courses in Chemistry number 3000 or above:
 - CHEM _____ CHEM _____

¹Prerequisite determined by number of high school language units completed and placement score. Fulbright College students receive no credit for 1003 unless they have satisfied the College entrance requirement (2 years of a high school foreign language with another foreign language).

Electives		

Progress Check (Graduation Credit Hours Only) [†]												
Sem	Hrs	Sem	Hrs	Rule	Sem Hrs	Sem Hrs	Sem Hrs	Sem Hrs	Sem Hrs	Sem Hrs		
Sem 1		Sem 9		8 hr								
Sem 2		Sem 10		24 hr								
Sem 3		Sem 11		(24 cont)								
Sem 4		Sem 12		40 hr								
Sem 5		Sem 13		(40 cont)								
Sem 6		Sem 14		(40 cont)								
Sem 7		Sem 15		68 hr								
Sem 8		Sem 16		124 minimum hrs required for graduation								

- ❖ For more information on Chemistry, contact the Department of Chemistry/Biochemistry:
 - CHEM 119 ▪ 479-575-4648 ▪ chemistry.uark.edu

[†]This form is **NOT** a substitute for the Catalog of Studies. Students should verify this information with their advisor, their degree audit, and the Catalog of Studies.

[†]See Graduation Checklist at <http://fcac.uark.edu/degreeplanning/checksheets.php> for more information on degree requirements.