### Requirements for Departmental Honors in Chemistry:

Students with good academic backgrounds and strong interests in research are encouraged to participate in the department of chemistry and biochemistry honors program. Entrance into the program is normally during the sophomore year or the first semester of the junior year, and a minimum cumulative GPA of 3.5 is required. Entrance is initiated by consulting the faculty academic adviser, who will help arrange conferences with potential faculty research project advisers. When there is agreement between the student and the adviser on a research project or area, an Honors Advisory Committee is set up to supervise the honors candidate’s program. The heart of the program is the research project, but students are encouraged to broaden their experience beyond required courses within chemistry, the natural sciences, the social sciences, and the humanities. Participation in Honors Colloquia, honors sections of regular courses, and chemistry departmental and divisional seminars is especially recommended. All honors candidates enroll in the spring semester Honors Seminar (CHEM 4011H), and senior honors students must make at least one seminar presentation. All honors candidates will be required to complete and defend an honors thesis and take 12 hours (which may include 6 hours of thesis) in Honors Studies. The thesis is required in the spring semester of the senior year, followed by an oral presentation. On the basis of these written and oral reports and their evaluation of all aspects of the student’s honor program, the candidate’s Honors Advisory Committee will recommend whether or not the distinction “Chemistry or Biochemistry Scholar Cum Laude” should be awarded. Higher degree distinctions are recommended only in truly exceptional cases and are based upon the whole of the candidate’s program of honors studies.

### Electives to complete 120 hour requirement

No graduation credit is awarded for a world language 1003 course to students continuing with the language begun in high school. For more information, contact the Dept 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.**

**Writing Requirement:** Chemistry majors will satisfy the Fulbright College writing requirement by satisfactory completion of the formal research/analytical reports required in Physical Chemistry Laboratory, CHEM 3451L or CHEM 3512L.

### Course Requirements

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| 16  | CHEM 1213/1211L, Chemistry for Majors I (Pre- or Coreq: MATH 1203 or higher or MPT)  
And  
CHEM 1223/1221L, Chemistry for Majors II (CHEM 1213/1211L or CHEM 1103/1101L)  
OR  
CHEM 1103/1101L, University Chemistry I (Pre- or Co-requisite: MATH 1203 or higher or MPT)  
And  
CHEM 1123/1121L, University Chemistry II (CHEM 1103, MATH 1203)  
And  
CHEM 2263/2261L, Analytical Chemistry/Lab (CHEM 1123/1121L or CHEM 1074/1071L, MATH 1203 or higher)  
And  
CHEM 3504, Physical Chemistry (CHEM 1123/1121L, PHYS 2074, Pre or Co-req: MATH 2564)  
• Courses may be applied to Core |
| 30  | CHEM 3514/3512L, Physical Chem II (CHEM 3504)  
CHEM 3703/3702L, Org Chem I for Majors (CHEM 1123/1121L or CHEM 1223/1221L)  
CHEM 3713/3712L, Org Chem II for Majors (CHEM 3703/3702L)  
CHEM 4123, Advanced Inorganic Chemistry I (CHEM 3514)  
CHEM 4213/4211L, Instrumental Analysis (CHEM 2263, CHEM 2272, CHEM 3613/3611L or CHEM 3713/3712L, CHEM 3514 or CHEM 3453)  
CHEM 4723, Experimental Methods in Organic and Inorganic Chemistry (CHEM 4504, 3514, &CHEM 3613/3611L or CHEM 3713/3712)  
And  
At least one additional advanced lecture course  
Some courses in Biological Sciences are recommended electives |