MAJOR REQUIREMENTS for a BACHELOR OF ARTS in CHEMISTRY (BIOCHEMISTRY)

J. WILLIAM FULBRIGHT COLLEGE OF ARTS AND SCIENCES

MINIMUM DEGREE CREDIT HOURS REQUIRED TO GRADUATE = 120 (CORE + MAJOR + GENERAL ELECTIVES)

WORLD LANGUAGE up to the Intermediate I (2003) level or higher (hours vary)
- [ ] ______________ (2003)

MATHEMATICS (1 course • 3-4 hours)
- [ ] MATH 2043 Survey of Calculus
- [ ] MATH 2554 Calculus I

PHYSICS (2 courses • 8 hours)
- [ ] PHYS 2013/2011L College Physics I
- [ ] PHYS 2033/2031L College Physics II
  - [ ] PHYS 2054 University Physics I
  - [ ] PHYS 2074 University Physics II

Note: These mathematics and physics prerequisite requirements are substantial, and these courses and their prerequisites should be scheduled early in the student’s program.

BIOLOGY (4 courses • 11 hours minimum with at least 3 hours numbered 3000 or higher)
- [ ] BIOL ______________
- [ ] BIOL ______________
- [ ] BIOL ______________
- [ ] BIOL ______________

CHEMISTRY WRITING REQUIREMENT
- [ ] Satisfied by the formal research/analytical reports required in Physical Chemistry Laboratory —CHEM 3451L or CHEM 3512L —or by completing an honors thesis.

CHEMISTRY (33 hours minimum)
- [ ] CHEM 1203/1201L Chemistry for Majors I
- [ ] CHEM 1223/1221L Chemistry for Majors II
- [ ] CHEM 1103/1101L University Chemistry I
- [ ] CHEM 1123/1121L University Chemistry II
- [ ] CHEM 2263/2261L Analytical Chemistry
- [ ] CHEM 3703/3702L Organic Chemistry for Majors I
- [ ] CHEM 3713/3712L Organic Chemistry for Majors II
  - [ ] CHEM 3603/3601L Organic Chemistry I
  - [ ] CHEM 3613/3611L Organic Chemistry II
- [ ] CHEM 3453/3451L Elements of Physical Chemistry (fall only)
  - [ ] pre-requisite: CHEM 2263/2261L
- [ ] CHEM 3504 Physical Chemistry I (fall only)
  - [ ] pre or co-requisite: MATH 2564; pre-requisite: CHEM 2263/2261L & PHYS 2074
  - [ ] CHEM 3514/3512L Physical Chemistry II (spring only)
    - [ ] pre-requisite: CHEM 3504
- [ ] CHEM 4813H Honors Biochemistry I
- [ ] CHEM 4843H Honors Biochemistry II
- [ ] CHEM 3813 Elements of Biochemistry
- [ ] CHEM 4213/4211L Instrumental Analysis (spring only)
  - [ ] pre-requisite: CHEM 2263/2261L & CHEM 3613/3611L
- [ ] CHEM 3813 Elements of Biochemistry
- [ ] CHEM 4123 Advanced Inorganic Chemistry I (fall only)
  - [ ] pre-requisite: CHEM 3453
- [ ] CHEM 3813 Elements of Biochemistry
- [ ] CHEM 4723 Experimental Methods in Organic Chemistry (fall only)
  - [ ] pre-requisite: CHEM 3613/3611L
- [ ] CHEM 4853 Biochemical Techniques (spring only)
  - [ ] pre or co-requisite: CHEM 3813 or CHEM 4843H
- [ ] Completion of a senior thesis based on independent research wherein at least one credit hour is earned in CHEM 400V (chemistry research) and/or CHEM 498V (senior thesis) during each of three different semesters.

Note: Anytime a "for majors" course option is completed, it will suffice to complete the "not for majors" pre-requisite listed above.