

Bachelor of Science in Chemistry

University of Missouri-St. Louis

• General Education Requirements

Freshman Composition: _____

Advanced Expository Writing-Junior Level Writing Requirement (3100 or 3160 preferred):

American History and Government: (1 course):

Cultural Diversity (1 course, see Bulletin for listing):

Foreign Language - (optional for students entering F05 and later):

1. _____

2. _____

3. _____

Communicating (2 courses or 6 hours):

Managing Information (1 course or 3 hours):

Valuing (1 course or 3 hours):

Social and Behavioral Sciences (3 course or 9 hours):

Humanities and Fine Arts (3 courses or 9 hours):

Mathematical and Life/Natural Sciences (4 three-hour courses or 12 hours):

• Core Curriculum

- Chemistry 1111 Introductory Chemistry I (5)

- Chemistry 1121 Introductory Chemistry II (5)

- Chemistry 2223 Quantitative Analysis (3)

- Chemistry 3022 Intro. to Chemical Literature (1)

- Chemistry 3312 Physical Chemistry I (3)

- Chemistry 3322 Physical Chemistry II (3)

- Chemistry 3333 Lab in Physical Chemistry I (2)

- Chemistry 4343 Lab in Physical Chemistry II (2)

- Chemistry 3412 Basic Inorganic Chemistry (2)

- Chemistry 2612 Organic Chemistry I (3)

- Chemistry 2622 Organic Chemistry II (3)

- Chemistry 2633 Organic Chemistry Laboratory (2)

- Chemistry 4897 Seminar (1)

- Chemistry 4212 Instrumental Analysis (2)

- Chemistry 4233 Laboratory in Instrumental Analysis (2)

- Chemistry 4412 Inorganic Chemistry (3)

- Chemistry 4433 Inorganic Chemistry Laboratory (2)

- Chemistry 3643 Advanced Organic Chemistry Laboratory (2)

- Chemistry 4712 Biochemistry (3)

- Two elective credits of advanced work in chemistry at the 3000 level or above. Students are encouraged to take Chemistry 3905.

• Related Area Requirements:

- Math 1800 Analytical Geometry & Calculus I (5)

- Math 1900 Analytical Geometry & Calculus II (5)

- Math 2000 Analytical Geometry & Calculus III (5)

- Phys 2111 Physics: Mechanics and Heat (5)

- Phys 2112 Physics: Electricity, Magnetism & Optics (5)

• Major Field Achievement Test:

• Electives:

■ _____

■ _____