

Bachelor of Arts in Chemistry with Biochemistry Certificate

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 Requirement (1 course): _____

Foreign Language - (must fulfill College requirement):

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 Physical Chemistry Laboratory I (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 4712 Biochemistry (3)

-Chemistry 4722 Advanced Biochemistry (3)

-Chemistry 4733 Biochemistry Laboratory (2)

-Chemistry 4764 Interdisciplinary Topics in Biochemistry (3)
or Chemistry 4772 Physical Biochemistry (3)

- **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)

-Biology 1811 Introductory Biology (5)

-Biology 3622 Cell Biology (3)

-Biology 2012 Genetics (3)

-Biology 4614 Biotechnology Laboratory I (4) or
Biology 4602 Molecular Biology (3)

- **Major Field Achievement Test:**
