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):
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American History and Government: (1 course):
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Cultural Diversity Requirement (1 course):
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Foreign Language - (must fulfill College requirement):
1.______________________ 2.______________________
3.______________________

Communicating (2 courses or 6 hours):
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Managing Information (1 course or 3 hours):
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Valuing (1 course or 3 hours):
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Social and Behavioral Sciences (3 course or 9 hours):
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Humanities and Fine Arts (3 courses or 9 hours):
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Mathematical and Life/Natural Sciences (4 three-hour courses or 12 hours):
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• Related Area Requirements:

- 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)

- 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:

- 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)