Bachelor of Science in Chemistry with an Emphasis in Biochemistry
University of Missouri-St. Louis

General Education Requirements
(see UMSL Bulletin for details, note: these are the requirements as of Fall 2015)

First Year Writing:_________________________________

Advanced Expository Writing-Junior Level English Requirement (Eng 3100 or Eng 3160 preferred):
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American History and Government Requirement: (1 course)
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Cultural Diversity Requirement (1 course, see Bulletin for list):
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Communication Proficiency (1 course):
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Information Literacy (1 course):
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Social and Behavioral Sciences (9 hours):
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Humanities and Fine Arts (9 hours):
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Mathematical and Life/Natural Sciences (9 hours):
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- Core Curriculum
  o-Chemistry 1111 Introductory Chemistry I (5)
  o-Chemistry 1121 Introductory Chemistry II (5)
  o-Chemistry 2223 Quantitative Analysis (3)
  o-Chemistry 3022 Intro. To Chemical Literature (1)
  o-Chemistry 3312 Physical Chemistry I (3)
  o-Chemistry 3322 Physical Chemistry II (3)
  o-Chemistry 3333 Physical Chemistry Laboratory I (2)
  o-Chemistry 3412 Basic Inorganic Chemistry (2)
  o-Chemistry 2612 Organic Chemistry I (3)
  o-Chemistry 2622 Organic Chemistry II (3)
  o-Chemistry 2633 Organic Chemistry Laboratory (2)
  o-Chemistry 4897 Seminar (1)
  o-Chemistry 4212 Instrumental Analysis (2)
  o-Chemistry 4233 Laboratory in Instrumental Analysis (2)
  o-Chemistry 3643 Advanced Organic Chemistry Lab (2)
  o-Chemistry 4712 Biochemistry (3)
  o-Chemistry 4722 Advanced Biochemistry (3)
  o-Chemistry 4733 Biochemistry Laboratory (2)
  o-Chemistry 3905 Research in Chemistry, Chemistry 4764 Special Topics in Biochemistry (3) or Chemistry 4772 Physical Biochemistry (3). Research must be an approved biochemistry project.

- Related Area Requirements:
  o-Math 1800 Analytical Geometry & Calculus I (5)
  o-Math 1900 Analytical Geometry & Calculus II (5)
  o-Math 2000 Analytical Geometry & Calculus III (5)
  o-Phys 2111 Physics: Mechanics and Heat (5)
  o-Phys 2112 Physics: Electricity, Magnetism & Optics (5)
  o-Biology 1811 Introductory Biology (5)
  o-Biology 3622 Biology (3) or Biology 2012 Genetics (3)

- Major Field Achievement Test: