



College of Arts and Science
 Department of Chemistry
 Graduation Plan

Bachelor of Science in Chemistry (*Medicinal Chemistry Track*)

Name (Last, first) Student Number Date

First Semester at MU Anticipated Graduation Date

Required Chemistry Courses

- College Chemistry I with Lab* 1320 4 hrs.
- College Chemistry II with Lab* 1330 4 hrs.
- Organic Chemistry I* 2100 3 hrs.
- Organic Chemistry II* 2110 3 hrs.
- Organic Laboratory I* 2130 2 hrs.
- Organic Laboratory II (Spring)* 2140 2 hrs.
- Fund. of Inorganic Chem. (Fall)* 2400 3 hrs.
- Quantitative Methods of Analysis* 3200 4 hrs.
- Undergraduate Seminar (Spring)* 3700W 3 hrs.
- Physical Chemistry I (Fall)* 3310 3 hrs.
- Medicinal Chemistry (Cap, Spring)* 4170 3 hrs.

Required Biology and Biochemistry Courses

- Intro. to Biological Systems with Lab (BIO SCI 1500)* 5 hrs.
- General Genetics (BIO SCI 2200)* 4 hrs.
- Intro. to Cell Biology (BIO SCI 2300)* 4 hrs.
- Biochemistry I (BIOCHM 4270)* 3 hrs.
- Biochemistry II (BIOCHM 4272)* 3 hrs.

Required Math and Physics Courses

- Calculus I (MATH 1500)* 5 hrs.
- Calculus II (MATH 1700)* 5 hrs.
- College Physics I (PHYS 1210)* 4 hrs.
- or *University Physics I (PHYS 2750)* 5 hrs.
- College Physics II (PHYS 1220)* 4 hrs.
- or *University Physics II (PHYS 2760)* 5 hrs.

Select one of the following upper level courses:

- Introduction to Radiochem. (Spring)* 4600 4 hrs.
- or *Radiation Biology (BIO SCI 4328)* 3 hrs.
- or *Other:*

Substitutions: _____

After completing and signing this form, have it signed and dated by your advisor and the Associate Chair for Undergraduate Studies (Professor Walensky, 203 Chemistry). You then will need to make two photocopies of the signed form and schedule an appointment to submit all three copies to the Arts & Science Dean's Office, 107 Lowry Hall, (573)882-6411.

Student	Date	Advisor	Date
Associate Chair	Date	Arts and Science Dean	Date



COLLEGE OF ARTS AND SCIENCE FOUNDATION (BASIC SKILLS), UNIVERSITY GENERAL EDUCATION AND GRADUATION REQUIREMENTS
BACHELOR OF SCIENCE (IN CHEMISTRY, GEOLOGICAL SCIENCES, MATHEMATICS, PHYSICS, AND STATISTICS) DEGREE
(List courses already completed and courses to be completed)

Ed = General Education, G = Graduation, B = Basic Skills, O = course may be used for other degree requirements

All General Education and Graduation requirements must be met with a grade of C- or better (except for the American Gov./History requirement)

ENGLISH 1000 OR EQUIVALENT ^{Ed, B}	Department/Course #	Semester	MATH 1100/1120, 1160, 1180 ^{Ed, B}	Department/Course #	Semester
WRITING INTENSIVE I (1000+) ^{Ed, O}			MATH REASONING PROFICIENCY ^{Ed, B, O}	this requirement is met with coursework required for the major	
WRITING INTENSIVE II (3000+) ^{G, O}			CAPSTONE ^{G, O}		
AMERICAN GOVERNMENT OR HISTORY ^{Ed, B, O}					

FOREIGN LANGUAGE (GENERALLY 12–13 HOURS; MUST IN THE SAME LANGUAGE) OR FOREIGN LANGUAGE ALTERNATIVE (12 HOURS)^B

Department/Course #	Semester	Department/Course #	Semester	Department/Course #	Semester	Department/Course #	Semester

COLLEGE OF ARTS AND SCIENCE FOUNDATION (BREADTH OF STUDY AND DEPTH OF STUDY) REQUIREMENTS
(List courses already completed and courses to be completed)
 — Arts and Science Foundation courses satisfy the MU Distribution of Content requirement for an Arts and Science degree —
(if student is pursuing a second non-A&S degree and/or transfers to another division, check with the appropriate advisor concerning courses meeting MU Distribution of Content requirement)

	DEPARTMENT AND COURSE NUMBER		SEMESTER/	CREDIT	TOTAL
			GRADE	HOURS	HOURS
AREA 1 — BIOLOGICAL, PHYSICAL, AND MATHEMATICAL SCIENCES 9 hours minimum covering at least 2 of 3 categories (must include 1 science lab).	This requirement is met with coursework required for the major.				
AREA 2 — BEHAVIORAL AND SOCIAL SCIENCES 9 hours minimum including 1 behavioral science course and 1 social science course. Examples include Behavioral : anthropology (excluding biological anthropology), psychology and sociology; Social : economics, geography, history and political science.					
AREA 3 — HUMANITIES AND FINE ARTS 9 hours minimum covering at least 2 subjects. Examples include appreciation of art, music or theatre; classical humanities; creative and performing arts; foreign civilizations; history of art, music or theatre; literature; philosophy; and religious studies.					

- Consult the A&S Advising Web site for courses that meet A&S Foundation requirements
- Only A&S courses (and selected Black Studies, Peace Studies, Women's and Gender Studies and Honors College courses) will count toward the 2000 level or higher course requirement
- Only one non-A&S course may be counted in each of the 3 areas
- Courses in the major department may not be used to fulfill A&S Foundation (Breadth of Study and Depth of Study) requirements
- Courses in an A&S minor may not be used to fulfill A&S Foundation requirements
- 30 of the last 36 hours must be taken as MU courses
- In order to graduate, students must have the following Grade Point Averages (GPAs):
 - 2.0 cumulative GPA
 - 2.0 major GPA
 - 2.0 minor GPA
 - 2.0 GPA in the final 30 hours
 - 2.0 GPA in the final 60 hours

Two 2000 level or above Arts & Science approved courses (minimum 6 hours) must be taken from 2 of the following 3 areas: Behavioral Science; Social Science; Humanities and Fine Arts. One course must be an MU course.

List courses _____

In order to graduate, students must complete a minimum of (A) 120 hours of degree applicable credit (including major, foundation courses, general education, minor [optional], and electives) including (B) 30 hours numbered 3000 or above. You will receive an e-mail stating progress toward requirements A and B. This information is also available at 107 Lowry Hall a few weeks after filing this graduation plan.