

**College of Basic and Applied Sciences
Upper Division Form 2007-2009 Catalog**

Student name _____ Student # _____
 Major Chemistry Minor Secondary Education
 Concentration Teacher Licensure E-mail _____

Instructions: For students graduating in Fall 2007 or later. *One (1) copy signed by major and minor advisors should be filed in the Records Office three semesters prior to graduation. An Intent to Graduate form should accompany this form.*

General Education	Course	Semester	Grade	Notes	Credit Hours
COMMUNICATION (9 hours)	ENGL 1010				3
	ENGL 1020				3
	COMM 2200				3
HISTORY (6 hours) Choose two: HIST 2010, HIST 2020, HIST 2030					3
					3
HUMANITIES AND/OR FINE ARTS (9 hours) Choose one: ENGL 2020 or 2030 or HUM 2610 Choose two (different rubrics): ANTH 2210, ART 1030, ART 1910, ART 1920, DANC 1000, HIST 1010, HIST 1020, HIST 1110, HIST 1120, MUS 1030, PHIL 1030, THEA 1030					3
					3
					3
MATHEMATICS (3 hours) * MATH 1910					3 of 4 *
NATURAL SCIENCES (8 hours)	BIOL 1110/1111				4
	CHEM 1110/1111			Course is also considered part of the major, making a total of 36 credits of CHEM courses.	4
SOCIAL/BEHAVIORAL SCIENCES (6 hours) Choose two (different rubrics): AAS 2100, ANTH 2010, ECON 2410, GEOG 2000, G S 2010 HLTH 1530/1531, JOUR/EMC/RI 1020 PS 1010, PS 2010, PSY 1410, SOC 1010, SOC 2010 WMST 2100					3
					3
Hours Required					41

* If a 4 credit math is taken, count 3 credits in General Education and the extra 1 credit in Supporting Courses.

Major Courses (2.0 GPA required) (2.5 GPA pre-requisite for Directed Teaching)	Course	Semester	Grade	Notes	Credit Hours
General Chemistry I	CHEM 1110/1111			Credits counted above	(4)
General Chemistry II	CHEM 1120/1121				4
Quantitative Analysis	CHEM 2230/2231				5
Organic Chemistry I	CHEM 3010/3011				4
Organic Chemistry II	CHEM 3020/3021				4
Principles of Biochemistry (3530/3531) or Biochemistry (4500)	CHEM ____				3-4
Undergraduate Research II (3880) or Research (4880)	CHEM ____				4
Physical Chemistry Fundamentals I (CHEM 4330/4331) and II (CHEM 4340/4341) or Physical Chemistry I (CHEM 4350/44351) and II (4360/4361)	CHEM ____				8
	CHEM ____				
3 hours of Chemistry Electives chosen from: CHEM 4000, 4100, 4400, 4510, 4530, 4600, 4610, 4700, 4780, (4230/4231 or 4630, not both), PSCI 4080					3
Hours Required					35-36 (39-40)

Supporting Courses				
Course	Semester	Grade	Notes	Credit Hours
PSCI 1030/1031 Topics in Physical Science				4
BIOL 1120/1121 General Biology II				4
MATH 1910 Calculus I				4
PHYS 2010/2011 Non-Calculus Based Physics I and Laboratory				4
PHYS 2020/2021 Non-Calculus Based Physics II and Laboratory				4
CHEM 3890 Chemistry Instruction Internship				1
Hours Required				21

Secondary Education Minor				
Course	Semester	Grade	Notes	Credit Hours
FOED 1110				3
FOED 2110				3
READ 4460				3
SPED 3010				3
SPSE 3220				3
YOED 3500				3
YOED 4000				3
YOED 4110				9
Hours Required				30
Signed:				
	Minor Advisor			Date

Optional 2 nd Minor				
Course	Semester	Grade	Notes	Credit Hours
Hours Required				
Signed:				
	Minor Advisor			Date

1. Degrees require a minimum of 120 semester hours (12 of the last 18 at MTSU) with a 2.0 GPA, a minimum of 42 upper-division hours (30 at MTSU) with a 2.0 GPA, and a minimum of 60 senior college hours.
2. Remedial/developmental courses do not count toward the 120-hour requirement or cumulative degree GPA.

Signed:			
	Major Advisor		
	Date		