College of Basic and Applied Sciences
Upper Division Form 2013-2014 Catalog

Student name _____ Student # _____

Major Chemistry Minor Secondary Education - MTeach

Concentration Teacher Licensure E-mail _____

Instructions: For students graduating in Fall 2013 or later. *One (1) copy signed by major and minor advisors should be filed in Jones Hall, room 115 with the Graduation Coordinator three semesters prior to graduation. An Intent to Graduate form should be filed with the Upper Division 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, 1910, 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, EMC/JOUR/RIM/1020, ECON 2410, GEOG 2000, GS 2010, HLTH 1530, PS 1010, PS 1005, PSY 1410, SOC 1010, SOC 2010, WGST 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
Physical Chemistry Fundamentals I (CHEM 4330/4331) and II (CHEM 4340/4341)	CHEM _____				8
or Physical Chemistry I (CHEM 4350/44351) and II (4360/4361)	CHEM _____				
Research Methods	CHEM 4740				3
3-4 hours of Chemistry Electives chosen from: CHEM 4000, 4100, 4400, 4510, 4510, 4530, 4600, 4610, 4700, 4780, (4230/4231 or 4630, not both), PSCI 4080 *(must choose 4 credits total if CHEM 4500 is taken above)*					4-3
				Hours Required	35 (39)

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				1 of 4
PHYS 2010/2011 Non-Calculus Based Physics I and Laboratory				4
PHSY 2020/2021 Non-Calculus Based Physics II and Laboratory				4
CHEM 3890 Chemistry Instruction Internship				1
			Hours Required	18

Secondary Education Minor (MTeach)				
Course	Semester	Grade	Notes	Credit Hours
MSE 1010 Inquiry Approaches to Teaching				1
MSE 2010 Inquiry Lesson Design				1
YOED 3520 Knowing and Learning				3
YOED 3550 Classroom Interactions				3
PHIL 3120 Perspectives on Science and Math				3
YOED 4050 Project Based Instruction				3
YOED 4040 Residency I				4
YOED 4400 Residency II				12
			Hours Required	30

Signed:		
	Minor Advisor	Date

Optional 2nd 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 courses do not count toward the 120-hour requirement or cumulative degree GPA.

Signed:		
	Major Advisor	Date

Student's local address:
to which graduation analysis
information should be sent: _____

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