College of Basic and Applied Sciences
2009-2011 Upper Division Form

Student name _____ Student # _____

Major Chemistry Minor Secondary Education

Concentration Teacher Licensure E-mail _____

Instructions: *One (1) copy signed by major and minor advisors should be filed with the college graduation coordinator in JH 115 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)	CHEM _____				8
or Physical Chemistry I (CHEM 4350/44351) and II (4360/4361)	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)

Revised 3/04/08

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
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	14

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 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/developmental (DSP) 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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