

**College of Basic and Applied Sciences  
2012-2013 Upper Division Form**

Student name \_\_\_\_\_ Student # \_\_\_\_\_  
 Major Chemistry Minor \_\_\_\_\_  
 Concentration Professional (Materials Track) E-mail \_\_\_\_\_

Instructions: For students graduating in Fall 2012 or later, *One (1) copy signed by major advisor and minor advisor (if applicable) 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 1730 (if exempt take MATH 1910)					3 or 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	4
SOCIAL/BEHAVIORAL SCIENCES (6 hours) Choose two (different rubrics): AAS 2100, ANTH 2010, ECON 2410, GEOG 2000, GS 2010, HLTH 1530/1531, JOUR/EMC/RIM 1020 PS 1010, PS 1005, PSY 1410, SOC 1010, SOC 2010, WGST 2100					3
					3
<b>Hours Required</b>					<b>41</b>

\*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)	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
Careers in Chemistry and Biochemistry	CHEM 3000				1
Organic Chemistry I	CHEM 3010/3011				4
Organic Chemistry II	CHEM 3020/3021				4
Physical Chemistry Fundamentals I	CHEM 4330/4331				4
In-Depth Physical Chemistry	CHEM 4360/4361				5
Foundations in Inorganic Chemistry Aq (4400) or Foundations in Inorganic Chemistry B (4410)	CHEM				3
Principles of Biochemistry (3530/3531)	CHEM				4
Complete at least 2 hours from CHEM 3880, 3970, 4780	CHEM				2
Complete 3-4 hours from CHEM 4000, 4100, 4230/4231, 4450, 4460, 4600, 4610, 4700	CHEM				3-4
<b>Hours Required</b>					<b>39-40</b>

Supporting and Elective Courses				
Course	Semester	Grade	Notes	Credit Hours
BIOL 1120/1121				4
PHYS 2010/2011				4
PHYS 2020/2021				4
MATH 1730				1
MATH 1910				4
MATH 1920				4
CSCI 1150 or approved CSCI course				3
Upper Division Electives				16
<b>Hours Required</b>				<b>40</b>

Optional Minor				
Course	Semester	Grade	Notes	Credit Hours
<b>Hours Required</b>				
<b>Signed:</b>				
	<b>Minor Advisor</b>			<b>Date</b>

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. Learning Support courses do not count toward the 120-hour requirement or cumulative degree GPA.

<b>Signed:</b>		
	<b>Major Advisor</b>	<b>Date</b>

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