

**College of Basic and Applied Sciences  
Upper Division Form 2016-2017 Catalog**

Student name \_\_\_\_\_ Student # \_\_\_\_\_  
 Major **Chemistry** Minor \_\_\_\_\_  
 Concentration \_\_\_\_\_ E-mail \_\_\_\_\_

**Instructions: For students graduating in Fall 2016 or later, One (1) copy signed by major and minor advisors should be filed in KUC 322 with the Graduation Coordinator three semesters prior to graduation. An Intent to Graduate form accompany the upper division form.**

General Education	Course	Semester	Grade	Notes	Credit Hours
<b>COMMUNICATION</b> (9 hours)	ENGL 1010				3
	ENGL 1020				3
	COMM 2200				3
<b>HISTORY</b> (6 hours) Choose two: HIST 2010, HIST 2020, HIST 2030					3
					3
<b>HUMANITIES AND/OR FINE ARTS</b> (9 hours) Choose one: ENGL 2020 or 2030 or HUM 2610 Choose two (different rubrics): ANTH 2210, ART 1030, ART 1920, DANC 1000, HIST 1010, HIST 1020, HIST 1110, HIST 1120, MUS 1030, PHIL 1030, THEA 1030					3
					3
					3
<b>MATHEMATICS</b> (3 hours) * MATH 1730 (if exempt take MATH 1910)				*If Math ACT score is less than 26, must take Math 1730 before enrolling in Math 1910.	3 of 4 *
<b>NATURAL SCIENCES</b> (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
<b>SOCIAL/BEHAVIORAL SCIENCES</b> (6 hours) Choose two (different rubrics): AAS 2100, ANTH 2010, ECON 2410, ECON 2420, GEOG 2000, G S 2010, HLTH 1530/1531, JOUR/EMC/RIM 1020 PS 1010, PS 1005, PSY 1410, RS 2030, SOC 1010, SOC 2010, WGST 2100					3
					3
<b>Hours Required</b>					41

Major Courses (2.0 GPA required)	Course	Semester	Grade	Notes	Credit Hours
General Chemistry I	CHEM 1110/1111			Credits counted in General Education	(4)
General Chemistry II	CHEM 1120/1121			Preq: CHEM 1110/1111 with a C- or better	4
Quantitative Analysis	CHEM 2230/2231			Preq: CHEM 1120/1121 with grade of C- (or equivalent course)	5
Organic Chemistry I	CHEM 3010/3011			Preq: CHEM 1120/1121 or equivalent	4
Organic Chemistry II	CHEM 3020/3021			Preq: CHEM 3010/3011	4
Physical Chemistry Fundamentals I	CHEM 4330/4331			Preq: MATH 1910; PHYS 2020/PHYS 2021; CHEM 2230/CHEM 2231 or CHEM 4550/CHEM 4551	4
Physical Chemistry Fundamentals II	CHEM 4340/4341				4
7 hours of Chemistry Electives chosen from: CHEM 3000, (3530/3531 or 4500, not both), 3880, 3890, 4000, 4100, 4360/4361, 4400, 4510, 4530, 4600, 4610, 4700, 4780, 4880, (4230/4231 or 4630, not both), PSCI 4080 *No more than 4 hours from CHEM 3880 OR 4880; electives must be completed at MTSU.					7
<b>Hours Required</b>					32(36)

Supporting and Elective Courses				
Course	Semester	Grade	Notes	Credit Hours
BIOL 1120/1121			Preq: BIOL 1110/1111	4
MATH 1910			Preq: MATH 1730 with a C or better	4
MATH 1730 (Remaining credit)				1
PHYS 2010/ 2011				4
PHYS 2020/ 2021			Preq: PHYS 2010/2011	4
Electives			Sufficient Upper Division credit must be taken to equal 42 total credits at the 3000/4000 level	12-15
<b>Hours Required</b>				29-32

Minor				
Course	Semester	Grade	Notes	Credit Hours
<b>Hours Required</b>				15-18
<b>Signed:</b>				
	Minor Advisor			Date

Optional 2 <sup>nd</sup> Minor				
Course	Semester	Grade	Notes	Credit Hours
<b>Hours Required</b>				
<b>Signed:</b>				
	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. Learning Support courses do not count toward the 120-hour requirement or cumulative degree GPA.

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