

**College of Basic and Applied Sciences  
Upper Division Form 2017-2018 Catalog**

Student name \_\_\_\_\_ Student # \_\_\_\_\_

Major Science Minor Secondary Education - MTeach

Concentration Teaching (Chemistry 7-12 and/or Physics 7-12)

**Instructions: For students graduating in Fall 2017 or later. One (1) copy signed by major and minor advisors should be filed in DSB 120 with the Graduation Analyst three semesters prior to graduation. An Intent to Graduate form must be filed with 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 required for General Studies)	MATH 1730			Additional credit counts in Supporting Courses	3 of 4
<b>NATURAL SCIENCES</b> (8 hours)	CHEM 1110/11			Also considered part of major	4
	BIOL 1110/11			Also considered part of major	4
<b>SOCIAL/BEHAVIORAL SCIENCES</b> (6 hours) Choose two (different rubrics): AAS 2100, ANTH 2010, ECON 2410, EMC/JOUR/RIM 1020, GEOG 2000, GS 2010, HLTH 1530/31, PS 1010 or 2010, PSY 1410, SOC 1010 or 2010, WMST 2100					3
					3
<b>Hours Required</b>					41

Major Courses	Course	Semester	Grade	Notes	Credit Hours
Non-Calculus Based Physics I & Laboratory (PHYS 2010/2011)	PHYS 2010/2011				4
Non-Calculus Based Physics II & Laboratory (PHYS 2020/2021)	PHYS 2020/2021				4
Directed Studies in Physics	PHYS 3050			*see Advisor; take PHYS 3100/3070 (3)	3
Concept & Application of Digital Electronics	PHYS 3310			*see Advisor; take PHYS 3400 (3)	3
Concept & Application of Analog Electronics	PHYS 3350			*see Advisor; take PHYS 3930 (3)	4
Advanced Physics Laboratory I	PHYS 3910			*see Advisor; take PHYS 3950 (1), PHYS 3960 (1)	1
General Chemistry	CHEM 1110/11			Credits Counted Above	(4)
General Chemistry	CHEM 1120/21				4
Elements of Organic Chemistry	CHEM 2030/31				4
Principles of Biochemistry	CHEM 3530/31				4
Undergraduate Research I	CHEM 2880				2
Chemistry Instructional Internship	CHEM 3890				1
General Biology	BIOL 1110/11			Credits Counted Above	(4)
General Biology	BIOL 1120/21				4
<b>Hours Required</b>					38 (46)

Supporting Courses				
Course	Semester	Grade	Notes	Credit Hours
PSCI 1030/31				4
MATH 1730				1 of 4
Electives				6
<b>Hours Required</b>				<b>11</b>

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 Apprentice Teaching				12
<b>Hours Required</b>				<b>30</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. Remedial courses do not count toward the 120-hour requirement or cumulative degree GPA.

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