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

Student name		Student#	
Major	Biology	Minor	Secondary Education - MTeach
Concentration_		E-mail	

Instructions: For students graduating in Fall 2017 or later. One (1) copy signed by major and minor advisors should be filed in the Graduation Analyst's Office in DSB 120 three semesters before anticipated graduation. An Intent to Graduate form must accompany this form.

General Education Area	Course	Semester	Grade	Prerequisites/Notes	Credit Hours
	ENGL 1010				3
COMMUNICATION (9 hours)	ENGL 1020				3
	COMM 2200				3
HISTORY (6 hours)					3
Choose two: HIST 2010, HIST 2020, HIST 2030					3
HUMANITIES AND/OR FINE ARTS (9 hours) Choose one:					3
ENGL 2020, 2030, or HUM 2610. Choose two with different prefixes: ANTH 2210, ART 1030,1920, DANC 1000, HIST					3
1010,1020, 1110,1120, MUS 1030, PHIL 1030, THEA 1030					3
MATHEMATICS (3 hours)*	MATH 1910			MATH 1730 with a minimum grade of C or Math ACT score of 26.	3 of 4*
NATURAL SCIENCES (8 hours)	BIOL 1110 & 1111			Course is required in the major.	4
NATURAL SCIENCES (O Hours)	CHEM 1110 & 1111			Course is required in the major.	4
SOCIAL/BEHAVIORAL SCIENCES (6 hours) Choose two (different prefixes): AAS 2100, ANTH 2010,					3
EMC/JOUR/RIM 1020, ECON 2410, ECON 2420, GEOG 2000, HLTH 1530/1531, PS 1010, PS 1005, PSY 1410, RS 2030, SOC 1010,					3
Hours Required					

<sup>\*</sup> If a 4 credit Math course is taken, 3 credits count in General Education and the extra credit counts in Supporting and Elective Courses.

Major Courses	Course	Semester	Grade	Prerequisites/Notes	Credit Hours
Introduction to the Biology Major	BIOL 1000				1
General Biology 1110 (credits counted above)	BIOL 1110/1111			MATH 1710 with C- or better or MATH ACT of 19 or higher	4***
General Biology	BIOL 1120,/1121			BIOL 1110	4
Microbiology	BIOL 2230/2231			BIOL 1110 & 1120	4
Genetics	BIOL 3250/3251			BIOL 1110 & 1120	4
General Ecology	BIOL 3400/3401			BIOL 1110 & 1120, CHEM 1110	4
Biology Concentration Courses (see listing)				See Advisor	4
Biology Concentration Courses (see listing)				See Advisor	3-4
Biology Concentration Courses (see listing)				See Advisor	3-4
Biology Upper Division Elective (3000/4000)- See Advisor				** BIOL 4740 RECOMMENDED**	1-3
Physiology (select from <b>BIOL 4110 &amp; 4111, or 4210 &amp; 4211, or 4500</b> )				See Advisor	4
Evolution	BIOL 3500			BIOL 3250	3
Senior Seminar	BIOL 4200			BIOL 2230, 3250, 3400, and 3500	1
Hours Required in Major					
***Hours Toward 120 Required for Graduation (removes duplication of hours between General Education and Major)					36

Supporting and Elective Courses					
Course	Semester	Grade	Prerequisites/Notes	Credit Hours	
CHEM 1120 & 1121			CHEM 1110 with a C- or better	4	
CHEM 2030 & 2031 or 3010 & 3011			CHEM 1120	4	
MATH 1920, or MATH 2050, or BIOL 4350 & 4351			See Advisor	3-4	
Elective if MATH 2050 is chosen				0-1	
Math 1910 (remaining 1 credit from general education)				1	
PSCI 1030 & 1031				4	
Hours Required					

Minor Secondary Education					
		Semester	Grade		Credit Hours
MSE 1010 Inquiry	Approaches to Teaching				1
MSE 2010 Inquiry	Lesson Design				1
YOED 3520 Knowi	ing and Learning				3
YOED 3550 Classroom Interactions in Science and Math				3	
PHIL 3120 Perspectives in Math and Science					3
YOED 4050 Project Based Instruction in Math and Science					3
YOED 4040 Residency I					4
YOED 4400 Residency II		12			
MINOR HOURS REQUIRED					
TOTAL HOURS REQUIRED					124
Signed:			•		
Minor Advisor Control of the Control				ate	

Optional 2 <sup>nd</sup> Minor						
	Course	Semester	Grade	Notes	Credit Hours	
Hours Required						
Signed:						
Minor Advisor				Date		

- 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 minimum of 60 senior college hours.
   Learning Support courses do not count toward the 120-hour requirement or cumulative degree GPA.

Signed:		
	Major Advisor	

## Instructions For Upper-Division Forms for Biology

- 1. This form should be filled out in consultation with your College Advisor three semesters prior to graduation.
- 2. An Intent to Graduate Form must accompany the Upper Division Form when submitted to the Graduation Analyst in DSB, room 1 2 0
- 3. In order to graduate, you must complete at least 120 semester hours of which at least 42 must be in upper division (3000/4000 numbered) courses. At least 60 semester hours must have been taken at a senior (4 year) college/university. A minimum 2.00 GPA in the major, overall, in at least 42 hrs of upper division (3000/4000 level) courses, and in most minors, is required for graduation. Course work awarded from a junior college will not count as upper-division credit even if it is credited on your transcript as a 3000 or 4000 level course. At least one minor is required; a natural science such as chemistry is recommended.
- 4. If the course prefix and number are not shown, be sure to write them in the "Course" column. In the "Grade" column, write the grade that you received if you have already completed the course, or the semester that you plan on taking the course (for example, F14, Sp 15, Su15). In the Notes column, write in the course you are taking instead of the course listed, or Advanced Placement credit for the course, or transfer credit for the course, (in which case you should list the original course name and number); otherwise, the Notes column should remain blank. See advisor and catalog for options to fulfill specific requirements. If a course previously taken is accepted as a substitution for a course listed, then a Substitution Form must be filled out and approved by Major Advisor and Department Chair and accompany the Upper Division and Intent to Graduate Forms.
- 5. See the specified MTSU Undergraduate Catalog and the Student Handbook for further details concerning degree requirements for graduation. You are responsible for understanding and fulfilling all degree requirements.

