COLLEGE OF BASIC AND APPLIED SCIENCES
UPPER DIVISION FORM 2019-2020 CATALOG

Student name: _____   M #: _____

Major: **PLANT & SOIL SCIENCE**   Minor: **SECONDARY EDUCATION**

Concentration: **LICENSURE**   E-mail: _____

*Instructions: **For students graduating Summer 2019 or later, one (1) copy signed by major and minor advisors should be filed in DSB 120 three semesters before anticipated graduation. The Intent to Graduate form must also be filed in DSB 120 at the time of Upper Division Form submission.***

General Education	Course	Semester	Grade	Notes	Credit Hours
COMMUNICATION (9 hours)	ENGL 1010				3
	ENGL 1020			Preq: ENGL 1010 with C- or better	3
	COMM 2200				3
HISTORY (6 hours) Choose two: HIST 2010, HIST 2020, or HIST 2030					3
					3
HUMANITIES/FINE ARTS (9 hours) Choose one: ENGL 2020, 2030, or HUM 2610 Choose two different subjects: ANTH 2210; ART 1030 or 1920; DANC 1000; HIST 1010, 1020, 1110, or 1120; MUS 1030; PHIL 1030; THEA 1030					3
					3
					3
MATHEMATICS (3 hours) Choose one: MATH 1010, 1530, 1630, **1710**, 1720, 1730, 1810, 1910				** MATH 1710 RECOMMENDED **	3
NATURAL SCIENCES (8 hours) Choose two different subjects: ASTR 1030/1031, **BIOL 1030/1031**, BIOL 1110/1111,BIOL 2010/2011,BIOL 2020/2021, CHEM 1010/1011, CHEM 1030/1031,CHEM 1110/1111, GEOL 1030/1031,GEOL 1040/1041, PGEO 1030, PHYS 1110, PHYS 2010/2011,PHYS 2110/2111, **PSCI 1030/1031**, PSCI 1130/1131	BIOL 1030/1031			**BIOL 1030/1031 required for major**	4
	PSCI 1030/1031			**PSCI 1030/1031 required for major**	4
SOCIAL/BEHAVIORAL SCIENCES (6 hours) Choose two different subjects: AAS 2100, ANTH 2010, ECON 2410, ECON 2420, GEOG 2000, GS 2010, HLTH 1530/1531, JOUR/EMC/RIM 1020, PS 1010, PS 1005, PSY 1410, RS 2030, SOC 1010, SOC 2010, WGST 2100					3
					3
				Hours Required	**41**

Major Courses (2.0 GPA required)	Course	Semester	Grade	Notes	Credit Hours
Orientation in Agriculture	AGRI 1000				1
Introduction to Animal Science	ANSC 1410			ANSC 1401 is also acceptable	3
Elements of Plant Science	PLSO 1610				3
Introduction to Agricultural Engineering	AGRI 2210				3
Introduction to Agricultural Education & Leadership	AGED 2230			*will be applying to teacher education	3
Principles of Agricultural Economics	AGBS 3130				3
Fundamentals of Soil Science	PLSO 3340				3
Livestock Management	ANSC 3440			Preq: ANSC 1410	3
Horticulture in Our Lives OR Greenhouse Management	PLSO 3600 **OR** PLSO 4620				3
Leadership in Agricultural Industries	AGRI 4250			*SEE ADVISOR; can also take AGRI 3010	3
PLSO Elective					3
PLSO Elective					3
PLSO Elective					3
PLSO Elective					3
PLSO Elective					3
				Hours Required	**43**

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Supporting Courses					
Supporting Courses	Course	Semester	Grade	Notes	Credit Hours
Methods of Teaching Agriscience & Agricultural Mechanics	AGED 4220				3
Adult & Youth Leadership Development in Agricultural Organizations	AGED 4230				3
Topics in Physical Science	PSCI 1030/1031			Credits count in general education	0
Exploring Life	BIOL 1030/1031			Credits count in general education	0
				Hours Required	**6**

MTeach SECONDARY EDUCATION MINOR					
Minor Courses (2.0 GPA required)	Course	Semester	Grade	Notes	Credit Hours
Inquiry Approaches to Teaching	MSE 1010				1
Inquiry Lesson Design	MSE 2010			Preq: MSE 1010	1
Knowing & Learning in Science & Mathematics	YOED 3520			Pre or Co-Req: MSE 2010	3
Classroom Interactions in Mathematics & Science	YOED 3550			Preq: YOED 3520; must be admitted to teacher education program to register	3
<mark>Perspectives on Science & Math</mark>	<mark>PHIL 3120</mark>			<mark>** SEE ADVISOR; TAKE AGRI 4740 instead</mark>	<mark>3</mark>
Project-Based Instruction in Mathematics & Science	YOED 4050			Preq: YOED 3550; must take same semester as YOED 4040	3
Residency I: MTeach	YOED 4040			Must take same semester as YOED 4050	4
Residency II:	YOED 4400			Preq: YOED 2500, 3000, 3300, 4030 with a grade of B or better; passing score on specialty area PRAXIS II; overall GPA of 2.75; major GPA of 2.5; Sr. standing	12
				Hours Required	30

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. Learning Support courses count toward the 120-hour requirement and the overall GPA.

Signed:	
	Major Advisor	Date

Optional 2ⁿᵈ Minor					
Minor Courses (2.0 GPA required)	Course	Semester	Grade	Notes	Credit Hours
					Hours Required	

Signed:	
	Minor Advisor	Date