NAME:_____   WT ID:_____   DATE:_____

Agriculture, Food & Natural Resources (Grades 6-12) Certification
Department of Agricultural Sciences
AGS 220   651-2550

Bachelor of Science Degree
Major: Agriculture
BS.AG.EDS (497) – TexES Exams: 160, 272

CORE CURRICULUM COURSES: 42 HOURS ♦	HRS	FPC
Communication (Core 10)		
ENGL 1301 Introduction to Academic Writing and Argumentation	3	
COMM 1315, 1318, or 1321	3	
Mathematics (Core 20)		
See **University Core Requirements** below	(3)	
Life and Physical Sciences (Core 30)		
See **University Core Requirements** below	(6)	
Language, Philosophy and Culture (Core 40)		
ANTH 2351, ENGL 2321*, 2326*, 2331*, 2341*, 2343*; HIST 2311, 2323, 2372; MCOM 1307, PHIL 1301, 2374; SPAN 2311*, 2312*/**, 2313*, or 2315*, 2371 **Choose 1**	3	
Creative Arts (Core 50)		
ARTS 1301, 1303, 1304; DANC 2303; MUSI 1306, 1307 (for music majors), 1310; or THRE 1310 **Choose 1**	3	
American History (Core 60)		
HIST 1301, 1302, 2301, 2381, 2382 **Choose 2**	6	
Government/Political Science (Core 70)		
POSC 2305 and 2306	6	
Social and Behavioral Sciences (Core 80)		
See **University Core Requirements** below	(3)	
Component Area Option (Core 90)		
See **University Core Requirements** below	(6)	

AGRICULTURE SCIENCE AND TECHNOLOGY (GRADES 6-12) CERTIFICATION REQUIREMENTS: 96 HOURS
A grade of "C" or better and a 2.75 GPA is required.^

UNIVERSITY CORE REQUIREMENTS: 18 HOURS ♦		
CORE 20 MATH 1314* or 1324*	FPC	3
CORE 30 ANSC 1319, 1319L Principles of Animal Science	FPC	3
CORE 30 PSES 1307, 1307L Principles of Plant Science	FPC	
Note: BIOL1406, BIOL 1411, or BIOL 1413 will also satisfy the second Core 30 requirement; however, PSES 1307 will still need to be taken as a major requirement—reducing the number of elective hours needed.		3
CORE 80 AGBE 2317* Fundamentals of Agricultural Economics	FPC	3
CORE 90 ENGL 1302* Research and Rhetoric **OR** ENGL 2311* Introduction to Professional and Technical Communication	FPC	3
CORE 90 AGRI 2300 Personal and Professional Leadership Development		3

MAJOR REQUIREMENTS: 31 HOURS
A grade of "C" or better and a 2.75 GPA is required.^

	HRS	
AGRI 2372 Welding and Metalwork	3	
AGRI 3303 Agricultural Agencies in the United States	3	
AGRI 3304 Mechanical Systems Mgt. in Agriculture	3	
AGRI 3306 Agricultural Leadership in Youth Organizations	3	
AGRI 3318* Agricultural Statistics	3	
AGRI 3103* Agriculture Industry and Career Preparation	1	

AGRI 4302, 4302L Agricultural Buildings and Environment Control	3	
Take one course from: AGBE 3301* Farm and Ranch Management AGBE 3302* Marketing of Agricultural Products FPC AGBE 3304* Agricultural Business Management	3	
ANSC 3374* Principles of Nutrition	3	
PSES 1301, 1301L Principles of Horticulture	3	
PSES 1307, 1307L Principles of Plant Science (if not taken to satisfy Core 30) FPC	0-3	
PSES 2311, 2311L Fundamentals of Soil Science	3	

EDUCATIONAL COMPONENT: 30 HOURS A grade of "C" or better and a 2.75 GPA is required.^		
AGRI 2371 Introduction to Agriculture Education	3	
AGRI 4305* Conducting Supervised Agricultural Experience	3	
EPSY 4341 Educator Readiness and Performance	3	
EDPD 4341* Classroom Mgt. in Agriscience	3	
EDRD 4386 Secondary Reading in the Content Area	3	
EDSE 4321* Teaching in Agriscience	3	
EDPD 4398* Clinical Teaching- ALL	3	
EDSE 4341* Clinical Teaching-Secondary	3	
EPSY 3341* Educational Psychology	3	
EPSY 3350 Children with Special Needs FPC	3	

BACHELOR OF SCIENCE REQUIREMENTS: 6 HOURS FPC	OPTION	
Six hours chosen from biology, chemistry, geology, geosciences, mathematics, physics, or natural sciences.	6	

ELECTIVES: 10 HOURS		
ELECTIVES	11	

MINIMUM HOURS REQUIRED TO COMPLETE DEGREE	120

♦ NOTE: The core curriculum must total **exactly 42 hours**; excess hours must be moved to the major as an elective or a major requirement and stay within the 120-hour requirement or approved total submitted to the Coordinating Board for degree requirements. Some majors specify particular courses to meet core curriculum requirements when options are available.

* Indicates prerequisites—see catalog for more information.

** Or an equivalent course (second year, second semester) in a foreign language.

NOTE: At least 36 hours of advanced work (3000- or 4000-level courses) for which tuition is paid must be earned at WTAMU. A maximum of six semester hours in religion (RELI) and six semester hours in physical education (PHED) courses can count toward a baccalaureate degree.

^Transfer & WT GPA combined must be 2.75.

NOTE: This is NOT a degree plan. All undergraduate students must request an official degree plan from their academic dean's office by the time they have completed 30 credit hours.
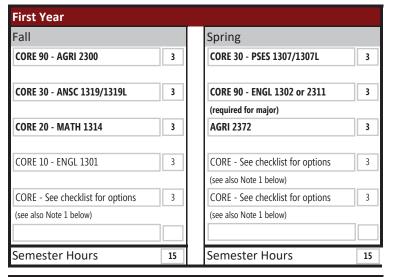
WTAMU ADVISING SERVICES
2021-2022 Curriculum Guide

Major: Agriculture, Food & Tech. (6-12) Cert., B.S.   **Major Code:** 497

First Year

Fall		Spring	
CORE 90 - AGRI 2300	3	CORE 30 - PSES 1307/1307L	3
CORE 30 - ANSC 1319/1319L	3	CORE 90 - ENGL 1302 or 2311	3
		(required for major)	
CORE 20 - MATH 1314	3	AGRI 2372	3
CORE 10 - ENGL 1301	3	CORE - See checklist for options	3
		(see also Note 1 below)	
CORE - See checklist for options	3	CORE - See checklist for options	3
(see also Note 1 below)		(see also Note 1 below)	
Semester Hours	15	Semester Hours	15

Second Year

Fall		Spring	
AGRI 2371	3	PSES 2311/2311L	3
PSES 1301/1301L	3	CORE 80 - AGBE 2317	3
B.S. Requirement (math/science)	3	B.S. Requirement (math/science)	3
-See checklist for eligible subjects.		-See checklist for eligible subjects.	
CORE - See checklist for options	3	CORE - See checklist for options	3
(see also Note 1 below)		(see also Note 1 below)	
CORE - See checklist for options	3	CORE - See checklist for options	3
(see also Note 1 below)		(see also Note 1 below)	
Semester Hours	15	Semester Hours	16

Third Year

Fall		Spring	
AGRI 3318	3	AGRI 3303	3
AGRI 3103	1	AGRI 3304	3
ANSC 3374	3	AGRI 3306	3
AGBE 3301, 3302 or 3304	3	EPSY 3341	3
EPSY*4341	3	EPSY 3350	3
Elective	3		
Semester Hours	16	Semester Hours	15

Fourth Year

Fall		Spring	
AGRI 4302	3	EDPD 4398	3
AGRI 4305	3	EDSE 4341	3
EDPD 4341	3	Elective	3
EDSE 4321	3	Elective	3
EDRD 4386	3		
Elective	1		
Semester Hours		Semester Hours	12

Degree Total Hours 120

DISCLAIMER: This curriculum guide should be used in conjunction with the corresponding degree checklist for general planning purposes only. The degree checklist (later a student's official degree plan) should be referred to as the comprehensive list of all courses required for the degree. An official degree plan is required after completing 30 hours. Students should always seek the advice of their academic adviser before scheduling classes.

Identified Marketable Skills:

1. Agriculturally literate
2. Teachable/leadership/followership
3. Problem solver
4. Professional
5. Communicator
6. Competent in field of study

Top 3 Local Employers or Industries/Professional Programs/Possible Career Opportunities

Independent School Districts
Banking/lending
Extension

Prerequisites/Important Sequences/Other degree Notes:

Note 1 - CORE: Agricultural Science and Technology (6-12) Certification majors are required to take specific courses for Core 20, Core 30, Core 80, and Core 90. For all other core categories, they may select from any available options (see degree checklist). Apart from the major-specific core requirements, there is no set order in which core courses must be taken.