

BACHELOR OF SCIENCE IN AGRICULTURE (B.S.A.G.) MAJOR IN AGRICULTURE (AGRICULTURAL MECHANICS CONCENTRATION)

Minimum required: 120 semester credit hours

General Requirements

- Students cannot enroll in upper-level (3000 or 4000) agriculture courses until they have successfully completed MATH 1315, MATH 1319, or MATH 2417, and CHEM 1341 and CHEM 1141.
- If two years of the same modern language are taken in high school, then no additional language hours will be required for the degree. In the absence of modern language taken in high school, then two semesters of the same modern language (1410 and 1420) must be taken at the college level, and the requirement will be added to the student's degree audit.
- Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
- Nine semester credit hours must be writing intensive (WI).
- The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (<http://mycatalog.txstate.edu/undergraduate/general-education-core-curriculum/>) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

Course Requirements

		Freshman	
	First Semester Hours	Second Semester Hours	
US 1100	1	Communication Component Code 010	3
Communication Component Code 010	3	BIO 1330 (Life and Physical Sciences Component Code 030 [TCCN BIOL 1306])	3
AG 1110 (TCCN AGRI 1131) ¹	1	BIO 1130 (TCCN BIOL 1106)	1
MATH 1315, 1319, or 2417 (Mathematics Component Code 020 [TCCN MATH 1314, 1324 or 2412])	3	AG 2390 (TCCN AGRI 1309) ¹	3
AG 1445 (TCCN AGRI 1419)	4	TECH 1311	3
Government/Political Science Component Code 070	3	Component Area Option Codes 090, 091, 092, 093 and 094	3
	15		16

		Sophomore	
	First Semester Hours	Second Semester Hours	
American History Component Code 060	3	American History Component Code 060	3
AG 2383 (TCCN AGRI 2317)	3	AG 2374	3
AG 2373 (TCCN AGRI 2303)	3	CHEM 1341 (Life and Physical Sciences Component Code 030 [TCCN CHEM 1311])	3
AG 2313 or 2379 (TCCN AGRI 1307 or 1315)	3	CHEM 1141 (TCCN CHEM 1111)	1
TECH 2310	3	Creative Arts Component Code 050	3
		Component Area Option Codes 090, 091, 092, 093 and 094	3
	15		16

		Junior	
	First Semester Hours	Second Semester Hours	
Language, Philosophy, and Culture Component Code 040	3	ENG 3303	3
AG 3310	3	AG Elective	3
AG 3426	4	Government/Political Science Component Code 070	3
AG 3319	3	AG 3341	3
AG 4379 or 3455	3	Social and Behavioral Sciences Component Code 080	3
	16		15

		Senior	
	First Semester Hours	Second Semester Hours	
AG Elective	3	AG Electives	5
AG 4361	3	AG 3375	3
AG 3353	3	AG 3317 or 3318	3
PHYS 1315 (TCCN PHYS 1301)	3	AG 4307	3
PHYS 1115 (TCCN 1101)	1		
	13		14

Total Hours: 120

¹ Must be successfully completed in the first 45 college credit hours at Texas State.

AG Electives

Code	Title	Hours
AG 3300	Undergraduate Research in Agricultural Sciences	3
AG 3301	Principles of Livestock Genetics	3
AG 3302	Herbaceous Plant Materials	3
AG 3304	Propagation of Horticultural Plants	3
AG 3305	Woody Plant Materials for Outdoor Landscapes	3
AG 3306	Flowers and Plants for Interior Design	3
AG 3308	Organic Gardening	3

AG 3314	Animal Health and Disease Control	3
AG 3321	Range Management	3
AG 3325	Animal Nutrition	3
AG 3329	Economic Entomology	3
AG 3330	Applied Wildlife Nutrition	3
AG 3331	Reproduction in Farm Animals	3
AG 3345	Livestock Selection and Evaluation	3
AG 3350	Intermediate Microeconomics and Agricultural Application	3
AG 3351	Agricultural Marketing and Sales	3
AG 3352	Quantitative Methods in Agricultural Economics	3
AG 3355	International Agricultural Trade	3
AG 3427	Soil Science II	4
AG 4185	Independent Study	1
AG 4300	Greenhouse and Nursery Management	3
AG 4302	Fruit and Vegetable Crop Production	3
AG 4304	Landscape Management	3
AG 4305	Landscape Design	3
AG 4325	Feeds and Feeding	3
AG 4326	Advanced Animal Science-Ruminants	3
AG 4328	Advanced Animal Science-NonRuminants	3
AG 4330	Food Technology: Processing Meats	3
AG 4381	Agricultural Policy	3
AG 4382	Agricultural Price Analysis	3
AG 4383	Agricultural Resource Economics	3
AG 4401	Genetics and Breeding for Crop Selection	4