

BACHELOR OF SCIENCE, MAJOR IN AGRICULTURAL BUSINESS WITH RANCH MANAGEMENT CONCENTRATION

Code	Title	Hours
Bachelor of Science, Major in Agricultural Business: Ranch Management Concentration		
Core Curriculum (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/)		
Component Area I (Communication)		6
Component Area II (Mathematics) ¹		3
Component Area III (Life and Physical Science) ²		8
Component Area IV (Language, Philosophy, and Culture)		3
Component Area V (Creative Arts)		3
Component Area VI (U.S. History)		6
Component Area VII (Political Science/Government)		6
Component Area VIII (Social and Behavioral Sciences) ³		3
Component Area IX (Component Area Option)		4
Degree Specific Requirements		
ACOM 3360 or ENGL 3330	Communication Skills for Agriculturists Introduction to Technical Writing	3
CHEM 1406	Inorganic & Environmental Chemistry ²	4
ECON 2301	Principles Of Macroeconomics ³	3
MATH 1324	Mathematics for Managerial Decision Making ¹	3
MATH 1342 or STAT 3379	Elementary Statistics Statistical Methods in Practice	3
Major: Foundation		
AGBU 2317	Principles of Agricultural Economics	3
AGBU 2385	Analysis of the Agricultural Sector	3
AGBU 2389	Agribusiness Financial Analysis	3
AGBU 3361	Agribusiness Organization & Management	3
AGBU 3367	Agricultural Finance	3
AGBU 3385	Quantitative Methods for Agribusiness	3
AGBU 4340	Agribusiness Marketing	3
AGBU 4363	Agricultural Sales & Consulting	3
AGBU 4374	Agricultural Market Analysis & Prices	3
AGBU 4375	Advanced Agribusiness Management	3
AGRI 1131	Introduction to Professional Leadership Skills ⁴	1
AGRI 1309 or CSTE 1330 or MGIS 1305	Computers in Agriculture Introduction to Computers Business Computer Applications	3
ANSC 1319 & ANSC 1119	Animal Science and Animal Science Laboratory	4
PLSC 1307 & PLSC 1107	Plant Science and Plant Science Laboratory	4
Major: Prescribed Advanced Electives		6
Select two courses from the following:		
AGBU 4319	Agribusiness Ventures	
AGBU 4369	Special Topic	
AGBU 4377	Economics of Land Use & Planning	
AGBU 4386	Agriculture & Food Policy	
Major: Prescribed Electives		3
Select one from the following:		

ANSC 3336	Livestock Marketing	
ANSC 4376	Sheep & Goat Production & Management	
EQSC 2364	Equine Science	
EQSC 2365	Equine Safety and Handling	
PLSC 4383	Range Management	
Concentration: Ranch Management		
AGBU 4365	Legal Issues in Agribusiness	3
AGBU 4378	Farm & Ranch Management	3
ANSC 3373	Animal Nutrition	3
ANSC 4380	Beef Cattle Production & Management	3
ANSC 4389	Animal Reproduction	3
ANSC 4394	Animal Feeds And Feeding	3
PLSC 4370	Forage Crops and Pasture Management	3
Total Hours		120

- ¹ MATH 1324 satisfies the Core Curriculum requirement for Component Area II (Mathematics) and the Degree Specific requirement.
- ² CHEM 1406 satisfies the Core Curriculum requirement for Component Area III (Life and Physical Sciences) and the Degree Specific requirement.
- ³ ECON 2301 satisfies the Core Curriculum requirement for Component Area VIII (Social and Behavioral Sciences) and the Degree Specific requirement.
- ⁴ UNIV 1101 or UNIV 1301 may be substituted if required by University Admissions or if the student is enrolled in the Ag Cohort.

Notes

Students must earn a 2.0 minimum overall GPA in all coursework.

Students must meet a 2.0 minimum overall major GPA in all major coursework.

Students must earn a 2.0 minimum SHSU GPA in all coursework.

Students must meet a 2.0 minimum SHSU major GPA in all major coursework.

First Year

Fall	Hours	Spring	Hours
Component Area IX (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaix)		1 AGRI 1309, CSTE 1330, or MGIS 1305	3
AGRI 1131 ¹		1 ENGL 1302 ²	3
ANSC 1319 & ANSC 1119		4 HSTY 1302 ³	3
ENGL 1301 ²		3 MATH 1342 or STAT 3379	3
HSTY 1301 ³		3 PLSC 1307 & PLSC 1107	4
MATH 1324 ⁴		3	
		15	16

Second Year

Fall	Hours	Spring	Hours
AGBU 2317		3 Component Area III (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiii)	4
AGBU 2385		3 Component Area IV (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiv)	3
CHEM 1406 ⁵		4 AGBU 2389	3
ECON 2301 ⁶		3 ANSC 3373	3

POLS 2305 ⁷		3 POLS 2306 ⁷	3
		16	16
Third Year			
Fall	Hours	Spring	Hours
Component Area V (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareav)		3 Component Area IX (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaix)	
AGBU 3361		3 ACOM 3360 or ENGL 3330	3
AGBU 3367		3 AGBU 4363	3
AGBU 3385		3 AGBU 4378	3
AGBU 4365		3 Major: Prescribed Advanced Electives ⁸	3
		15	15
Fourth Year			
Fall	Hours	Spring	Hours
AGBU 4340		3 AGBU 4375	3
ANSC 4380		3 ANSC 4389	3
PLSC 4370		3 AGBU 4374	3
Major: Prescribed Advanced Electives ⁸		3 ANSC 4394	3
Major: Prescribed Electives ⁹		3	
		15	12

Total Hours: 120

- ¹ UNIV 1101 or UNIV 1301 may be substituted if required by University Admissions or if the student is enrolled in the Ag Cohort.
- ² ENGL 1301 and ENGL 1302 satisfy the Core Curriculum requirement for Component Area I (Communications).
- ³ HSTY 1301 and HSTY 1302 satisfy the Core Curriculum requirement for Component Area VI (U.S. History).
- ⁴ MATH 1324 satisfies the Core Curriculum requirement for Component Area II (Mathematics).
- ⁵ CHEM 1406 satisfies the Core Curriculum requirement for Component Area III (Life and Physical Science).
- ⁶ ECON 2301 satisfies the Core Curriculum requirement for Component Area VIII (Social and Behavioral Sciences).
- ⁷ POLS 2305 and POLS 2306 satisfy the Core Curriculum requirement for Component Area VII (Political Science/Government).
- ⁸ See **Prescribed Advanced Electives** course list below.
- ⁹ See **Prescribed Electives** course list below.

Code	Title	Hours
Major: Prescribed Advanced Electives⁸		
AGBU 4319	Agribusiness Ventures	3
AGBU 4369	Special Topic	3
AGBU 4377	Economics of Land Use & Planning	3
AGBU 4386	Agriculture & Food Policy	3
Major: Prescribed Electives⁹		
ANSC 3336	Livestock Marketing	3
ANSC 4376	Sheep & Goat Production & Management	3
EQSC 2364	Equine Science	3
EQSC 2365	Equine Safety and Handling	3
PLSC 4383	Range Management	3

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The Texas Higher Education Coordinating Board (THECB) marketable skills initiative is part of the state's **60x30TX plan** and was designed to help students articulate their skills to employers. Marketable skills are those skills valued by employers and/or graduate programs that can be applied in a variety of work or education settings and may include interpersonal, cognitive, and applied skill areas.

The BS in Agricultural Business with Ranch Management Concentration is designed to provide graduates with the following marketable skills:

- Communicate professionally both orally and in writing.
- Build teamwork and collaboration skills.
- Use analytical skills to make data-driven decisions related to Ranch Management.
- Perform feasibility and risk analyses and apply critical thinking to evaluate opportunities.
- Execute market research, identify target markets.
- Understand and apply risk management techniques in cattle commodity markets.
- Analyze financial statements to evaluate the financial status of farms and ranches.
- Understand and manage the biological processes necessary for managing cattle operations.