

# Agricultural Science and Technology B.A./B.S. - Teacher Certification Option

## Core Curriculum Courses

See the Core Curriculum Requirements (<https://coursecatalog.tamuc.edu/undergrad/core-curriculum-requirements/>)

42

### Required courses in the major

AEC 2317	Agricultural Economics	
AEC 314	Farm Management	3
AG 1131	Intro To Agriculture	1
AGED 2301	Agricultural Education Fundamentals and Curriculum Design	3
ALC 2302	Personal Leadership Development in Agriculture	
ALC 3311	Contemporary Issues in Agriculture Leadership, Education, and Communications	3
AGED 371	Agricultural & Youth Leadershi	3
ALC 4301	Professional Presentations in Agricultural Leadership, Education, and Communications	3
AMC 315	Agri Systms Technology Mgmt	3
AMC 428	Laboratory Management in Agricultural Mechanization	3
ANS 317	Livestock Management Techniques	3
AG 423	Natural Resources Management	3
ANS 1319	Introduction to Animal Science	
ANS 1119	Introduction to Animal Science Laboratory	1
ANS 2319	Livestock Handling and Presentation	3
FDSC 1329	Principles of Food Science	3
or FDSC 318	Meat Technology	

Select one of the following sequences:

PLS 1315 & PLS 1115	Introduction to Horticulture and Introduction to Horticulture Laboratory	
Or		
PLS 1307 & PLS 1107	Introduction to Plant Science & Agronomy and Applied Plant Science Lab	
PLS 303	Introduction to Floral Design	3
PLS 309	Soil Science	3
PLS 329	Soil Science Laboratory	1
AGED 3301	Experiential Learning and Leadership	3
Plus 3 SH of AgMech Electives From from:		3
AMC 2303	Agricultural Welding Techniques	
AMC 424	Agricultural Safety	
AMC 426	Agri Power & Energy Management	
AMC 489	Independent Study	
AMC 497	Special Topics	

### Required support courses (with a minimum grade of D)

ALC 4301	Professional Presentations in Agricultural Leadership, Education, and Communications	3
PSY 300	Learning Processes and Development	3

Select one of the following sequences:

CHEM 1305 & CHEM 1105	Introductory Chemistry I and Introductory Chemistry Laboratory I	
Or		
CHEM 1311 & CHEM 1111 & CHEM 101	General and Quantitative Chemistry I and General and Quantitative Chemistry Laboratory I and General Chemistry Tutorial I	

### Required certification courses

RDG 380	Comprehension and Vocabulary in Middle and High Schools	3
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AGED 3300	Introduction to the Profession of Agricultural Education	3
AGED 404	Supervised Experience Programs	3
AGED 465	Student Tch Secondary Sch	6
AGED 470	Methods of Teaching Agricultural Science and Technology	3
AGED 471	The Program of Instruction in Agricultural Science and Technology	3
ALC 4312	Senior Portfolio in Agricultural Leadership and Communications	3
<b>Total Hours</b>		<b>120</b>

\* This course fulfills the Core Curriculum Requirements

A grade of "C" or higher must be earned in all courses in this Major with the exception of the Support Course a grade of "D" is acceptable.

Students must earn a 2.75 GPA to be eligible for teacher certification.