

# 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	3
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 Introduction to Horticulture  
& PLS 1115 and Introduction to Horticulture Laboratory

Or

PLS 1307 Introduction to Plant Science & Agronomy  
& PLS 1107 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)

PSY 300 Learning Processes and Development 3

Select one of the following sequences: \*

CHEM 1305 Introductory Chemistry I  
& CHEM 1105 and Introductory Chemistry Laboratory I

Or

CHEM 1311 General and Quantitative Chemistry I  
& CHEM 1111 and General and Quantitative Chemistry Laboratory I  
& CHEM 101 and General Chemistry Tutorial I

## Required certification courses

RDG 380	Comprehension and Vocabulary in Middle and High Schools	3
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>

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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.