

# Agricultural Science and Technology 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
---------	---	---

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
Total Hours		120

\* This course fulfills the Core Curriculum Requirements

First Year

Fall	Hours
------	-------

Delete This Text

0

Total Hours: 0