

AGRICULTURAL SCIENCE - BS, TEACHING OPTION

Program Requirements

First Year

Fall		Semester Credit Hours
AGLS 101	Modern Agricultural Systems and Renewable Natural Resources	1
ANSC 107 or POSC 201	General Animal Science or General Avian Science	3
Select one of the following:		3
AGEC 105	Introduction to Agricultural Economics	
ECON 202	Principles of Economics	
ECON 203	Principles of Economics	
Communication (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication)		3
Mathematics (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#mathematics)		3
Scientific agricultural elective ¹		3

Semester Credit Hours 16

Spring

HORT 201 or SCSC 105	Horticultural Science and Practices or World Food and Fiber Crops	3
Select one of the following:		3
AGSC 489	Special Topics in...	
AGSM 201	Agricultural Energy and Power Systems	
AGSM 360	Occupational Safety Management	
AGSM 489	Special Topics in...	
POSC 427	Animal Waste Management	
American history (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history)		3
Mathematics (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#mathematics)		3
General elective ²		3

Semester Credit Hours 15

Second Year

Fall		
Communication (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication)		3
Government/Political science (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science)		3
Language, philosophy and culture (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture)		3

Life and physical sciences (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#life-physical-sciences)	3
Scientific agricultural elective ¹	3

Semester Credit Hours 15

Spring

American history (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history)	3
Creative arts (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts)	3
Government/Political science (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science)	3
Life and physical sciences (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#life-physical-sciences)	3
Scientific agricultural elective ¹	3

Semester Credit Hours 15

Third Year

Fall

AGSC 302	Teaching School-Based Agricultural Education & Clinical Professional Experience ^{3,4,5}	4
INST 210	Understanding Special Populations ³	3
Select one of the following:		3

AGEC 314	Marketing Agricultural and Food Products	
AGEC 315	Food and Agricultural Sales	
AGEC 325	Principles of Farm and Ranch Management	
AGEC 340	Agribusiness Management	

Plant science elective ⁶ 3

Scientific agricultural elective ¹ 2

Semester Credit Hours 15

Spring

AGSC 373	Managing Safety in the Agricultural Science Program ³	3
AGSC 383	Teaching Agricultural Mechanics ³	3
ANSC 320	Animal Nutrition and Feeding	3
INST 301	Educational Psychology ³	3
Life and physical sciences (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#life-physical-sciences)		3

Semester Credit Hours 15

Fourth Year

Fall

AGSC 402	Designing Instruction for Secondary Agricultural Science Programs ^{3,4}	3
AGSC 405	Facilitating Complete Secondary Agricultural Science Programs ^{3,4}	3
ANSC 380	Animal Science for Agricultural Science	3
Plant science elective ⁶		3
Scientific agricultural elective ¹		2

Semester Credit Hours 14

Spring

AGSC 425	Learner Centered Instruction in Agricultural Science ^{3,4}	3
AGSC 436	Professional Teaching Internship in AGSC ^{3,4}	6
AGSC 481	Seminar ³	1
AGSC 484	Field Experience ³	4
ANSC 484	Livestock Practicum	1
Semester Credit Hours		15
Total Semester Credit Hours		120

¹ All scientific agricultural electives are to be selected in consultation with an academic advisor.

² Select any 100-499 course not used elsewhere (except ASCC 100-499 (<http://catalog.tamu.edu/undergraduate/course-descriptions/ascc/>)).

³ Must make a grade of C or better to receive credit.

⁴ Professional development course required for certification as a teacher of agricultural science.

⁵ Requires admission to teacher education. Consult with an advisor about specific requirements for admission to teacher education.

⁶ Select from ECCB 203, ECCB 301, ECCB 307, ECCB 309, ECCB 310, ECCB 312, ECCB 319, ECCB 324, ECCB 405, ECCB 408; GENE 100-499 (<http://catalog.tamu.edu/undergraduate/course-descriptions/gene/>); HORT 100-499 (<http://catalog.tamu.edu/undergraduate/course-descriptions/hort/>); RWFM 102, RWFM 202, RWFM 302, RWFM 313, RWFM 314, RWFM 315, RWFM 316, RWFM 317, RWFM 370; SCSC 100-499 (<http://catalog.tamu.edu/undergraduate/course-descriptions/scsc/>).

Graduation requirements include a requirement for 3 hours of International and Cultural Diversity (<http://catalog.tamu.edu/undergraduate/general-information/degree-information/international-cultural-diversity-requirements/>) courses and 3 hours of Cultural Discourse (<http://catalog.tamu.edu/undergraduate/general-information/degree-information/cultural-discourse-requirements/>) courses. A course satisfying a Core category, a college/department requirement, or a free elective can be used to satisfy this requirement. See an academic advisor.