

# AGRICULTURAL SCIENCE - BS, TEACHING OPTION

## Program Requirements

### First Year

		Semester Credit Hours
<b>Fall</b>		
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 ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication</a> )		3
Mathematics ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#mathematics">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#mathematics</a> )		3
Scientific agricultural elective <sup>1</sup>		3

**Semester Credit Hours 16**

### Spring

<b>Fall</b>		
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 ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history</a> )		3
Mathematics ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#mathematics">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#mathematics</a> )		3
General elective <sup>2</sup>		3

**Semester Credit Hours 15**

### Second Year

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

Life and physical sciences ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#life-physical-sciences">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#life-physical-sciences</a> )	3
Scientific agricultural elective <sup>1</sup>	3

**Semester Credit Hours 15**

### Spring

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

**Semester Credit Hours 15**

### Third Year

<b>Fall</b>		
AGSC 302	Teaching School-Based Agricultural Education & Clinical Professional Experience <sup>3,4,5</sup>	4
INST 210	Understanding Special Populations <sup>3</sup>	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 <sup>6</sup>		3
Scientific agricultural elective <sup>1</sup>		2

**Semester Credit Hours 15**

### Spring

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

**Semester Credit Hours 15**

### Fourth Year

<b>Fall</b>		
AGSC 402	Designing Instruction for Secondary Agricultural Science Programs <sup>3,4</sup>	3
AGSC 405	Facilitating Complete Secondary Agricultural Science Programs <sup>3,4</sup>	3
ANSC 380	Animal Science for Agricultural Science	3
Plant science elective <sup>6</sup>		3
Scientific agricultural elective <sup>1</sup>		2

**Semester Credit Hours 14**

**Spring**

AGSC 425	Learner Centered Instruction in Agricultural Science <sup>3,4</sup>	3
AGSC 436	Professional Teaching Internship in AGSC <sup>3,4</sup>	6
AGSC 481	Seminar <sup>3</sup>	1
AGSC 484	Field Experience <sup>3</sup>	4
ANSC 484	Livestock Practicum	1
<b>Semester Credit Hours</b>		<b>15</b>
<b>Total Semester Credit Hours</b>		<b>120</b>

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

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

<sup>3</sup> Must make a grade of C or better to receive credit.

<sup>4</sup> Professional development course required for certification as a teacher of agricultural science.

<sup>5</sup> Requires admission to teacher education. Consult with an advisor about specific requirements for admission to teacher education.

<sup>6</sup> 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/>); RWF 202, RWF 302, RWF 313, RWF 314, RWF 316, RWF 317, RWF 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.