

# AGRICULTURAL SYSTEMS MANAGEMENT - BS

## Program Requirements

### First Year

Fall		Semester Credit Hours
AGSM 125	Introduction to Agricultural Systems Management	1
AGSM 201	Agricultural Energy and Power Systems	3
CHEM 119	Fundamentals of Chemistry I	4
ENGL 104	Composition and Rhetoric	3
MATH 140	Mathematics for Business and Social Sciences	3
<b>Semester Credit Hours</b>		<b>14</b>

### Spring

ECON 202	Principles of Economics	3
MATH 142	Business Calculus	3
MMET 105	Engineering Graphics	2
POLS 206	American National Government	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> ) <sup>1,2</sup>		3
General elective <sup>3,4</sup>		3
<b>Semester Credit Hours</b>		<b>17</b>

### Second Year

Fall		Semester Credit Hours
ACCT 209	Survey of Accounting Principles <sup>3</sup>	3
AGSM 301	Systems Analysis in Agriculture	3
PHYS 201	College Physics	4
POLS 207	State and Local Government	3
ENGL 210	Technical and Professional Writing	3
<b>Semester Credit Hours</b>		<b>16</b>

### Spring

ACCT 210	Survey of Managerial and Cost Accounting Principles	3
COMM 203	Public Speaking	3
ECON 203	Principles of Economics	3
MGMT 209 or AGECE 344	Principles of Business Regulations and Law or Food and Agricultural Law	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
<b>Semester Credit Hours</b>		<b>15</b>

### Third Year

Fall		Semester Credit Hours
FINC 409 or AGECE 330	Survey of Finance Principles <sup>3,4</sup> or Financial Management in Agriculture	3
MGMT 309 or AGECE 340	Survey of Management <sup>3,4</sup> or Agribusiness Management	3

STAT 302 or STAT 303	Statistical Methods or Statistical Methods	3
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> ) <sup>1,2</sup>		3
AGSM Directed elective <sup>5</sup>		3

### Semester Credit Hours

15

### Spring

AGSM 310	Agricultural Machinery Management	3
AGSM 315/ FSTC 315	Food Process Engineering Technology	3
AGSM 325	Agri-Industrial Applications of Electricity	3
AGSM 360	Occupational Safety Management	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> ) <sup>1</sup>		3

### Semester Credit Hours

15

### Fourth Year

#### Fall

AGSM 403	Processing and Storage of Agricultural Products	3
AGSM 439	Management of Agricultural Systems I <sup>6</sup>	3
AGSM 470	Agricultural Electronics and Control	3
Select one of the following:		3
AGSM 473	Project Management for Agricultural Systems Technology (Select one of the following)	
ECCB 351	Geographic Information Systems for Resource Management	
RWFM 351	Geographic Information Systems for Resource Management	
Technical elective <sup>2,7</sup>		3

### Semester Credit Hours

15

#### Spring

AGSM 440	Management of Agricultural Systems II <sup>6</sup>	3
MKTG 409 or AGECE 314	Principles of Marketing <sup>3,4</sup> or Marketing Agricultural and Food Products	3
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> ) <sup>1,2</sup>		3
AGSM Directed elective <sup>5</sup>		3
Technical elective <sup>2,7</sup>		3
Technical elective <sup>2,7</sup>		3

### Semester Credit Hours

18

### Total Semester Credit Hours

125

<sup>1</sup> To be selected from the University Core Curriculum.

<sup>2</sup> The 3 hours of international and cultural diversity (<http://catalog.tamu.edu/undergraduate/general-information/degree-information/international-cultural-diversity-requirements/>) and 3 hours of cultural discourse (<http://catalog.tamu.edu/undergraduate/general-information/degree-information/cultural-discourse-requirements/>) courses, as required for graduation, may be met in the curriculum. Students may select Language, Philosophy, and Culture, Creative Arts,

2 Agricultural Systems Management - BS

Technical Electives, or American History Electives that also meet the ICD/CD requirement.

<sup>3</sup> A minor in Business may be obtained by completing the noted courses, plus ISTM 209. Each of these courses must be completed with a C or better.

<sup>4</sup> A minor in Agricultural Economics may be obtained by completed the noted courses, plus AGECE 105. Each of these courses must be completed with a C or better.

<sup>5</sup> Select six hours from the following: AGSM 335, AGSM 337, AGSM 435, AGSM 437, AGSM 477.

<sup>6</sup> All undergraduate students must take at least two (2) specific courses in their major designated as writing intensive (W). This course is an approved W course.

<sup>7</sup> Technical electives must be selected in consultation with the student's advisor and from the current list of approved electives published by the department.

A grade of C or better is required for all Common Body of Knowledge (CBK) courses; ACCT 209, AGSM 301, CHEM 119, ECON 202, MATH 140, MATH 142 and PHYS 201, or equivalents and senior capstone courses AGSM 439 and AGSM 440.