

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
Semester Credit Hours		14

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 (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture) ^{1,2}		3
General elective ^{3,4}		3
Semester Credit Hours		17

Second Year

Fall		Semester Credit Hours
ACCT 209	Survey of Accounting Principles ³	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
Semester Credit Hours		16

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 (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts)		3
Semester Credit Hours		15

Third Year

Fall		Semester Credit Hours
FINC 409 or AGECE 330	Survey of Finance Principles ^{3,4} or Financial Management in Agriculture	3
MGMT 309 or AGECE 340	Survey of Management ^{3,4} or Agribusiness Management	3

STAT 302 or STAT 303	Statistical Methods or Statistical Methods	3
American history (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history) ^{1,2}		3
AGSM Directed elective ⁵		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 (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#life-physical-sciences) ¹		3
Semester Credit Hours		15

Fourth Year

Fall		Semester Credit Hours
AGSM 403	Processing and Storage of Agricultural Products	3
AGSM 439	Management of Agricultural Systems I ⁶	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)	3
ESSM 351/ RENK 405	Geographic Information Systems for Resource Management	3
RENK 405/ ESSM 351	Geographic Information Systems for Resource Management	3
Technical elective ^{2,7}		3
Semester Credit Hours		15

Spring

AGSM 440	Management of Agricultural Systems II ⁶	3
MKTG 409 or AGECE 314	Principles of Marketing ^{3,4} or Marketing Agricultural and Food Products	3
American history (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history) ^{1,2}		3
AGSM Directed elective ⁵		3
Technical elective ^{2,7}		3
Technical elective ^{2,7}		3
Semester Credit Hours		18
Total Semester Credit Hours		125

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- ¹ To be selected from the University Core Curriculum.
- ² 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, Technical Electives, or American History Electives that also meet the ICD/CD requirement.
- ³ 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.
- ⁴ 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.
- ⁵ The two (2) required AGSM Directed Electives must be selected from AGSM 335, AGSM 337, AGSM 435, AGSM 477.
- ⁶ 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.
- ⁷ 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.