

**AGRICULTURAL SYSTEMS MANAGEMENT MAJOR (A.S.) INTERESTED IN  
AGRICULTURAL SYSTEMS MANAGEMENT MAJOR (B.S.)**

*This model plan of study is presented as a suggested path to graduate in 4 years with an Associate of Science Degree with a major in Agricultural Systems Management and a Bachelor of Science Degree in Agriculture with a major in Agricultural Systems Management. It is intended to be a useful guide; however, each student is unique and should review the Degree Requirements and work with their advisor to develop an individualized course plan that best fits their personal academic background and goals.*

**NOTE:** This sheet should not be used in isolation. In order to graduate in a timely manner, students must consult their academic advisor on a regular basis.

<b>Freshman Year (ATI)</b>	<b>Autumn Semester</b>				<b>Spring Semester</b>			
<b>Benchmarks</b>	<b>Department</b>	<b>Course #</b>	<b>Course Name</b>	<b>Hours</b>	<b>Department</b>	<b>Course #</b>	<b>Course Name</b>	<b>Hours</b>
<i>MATH 1148 should be completed by the end of this year.</i>	ANIMSCI	2200.01	Introductory Animal Sciences	3	AEDECON	2001	Principles of Food and Resource Economics <sup>a</sup>	3
<i>ENGLISH 1110 should be completed by the end of this year.</i>	ANMLTEC	2200.02T	Intro. to Animal Sciences Lab	1	AGRCOMM (or ENR)	2367	Agricultural Issues in Contemp. Society <sup>a</sup>	3
<i>Begin to consider study abroad programs.</i>	ENGLISH	1110.01	First-Year English Composition	3	CRPSOIL	2300T 2301T	Intro. to Soil Science Intro. to Soil Science Lab	3 1
	ENGTECH	1201.03T	Exploring Agricultural Systems Management	.5	RURLSOC	1500	Intro. Rural Sociology <sup>a</sup>	3
	ENGTECH	2120T	Building Science: Methods & Materials	4	_____	_____	Arts and Humanities Elective	3
	GENSTDS	1201.01T	College Orientation	.5	<b>Total: 16</b>			
	MATH	1148	College Algebra	4	<b>Summer Semester</b>			
	<b>Total: 16</b>				ENGTECH	2191.04T	Internship	2
					<b>Total: 2</b>			
<b>Sophomore Year (ATI)</b>	<b>Autumn Semester</b>				<b>Spring Semester</b>			
<b>Benchmarks</b>	<b>Department</b>	<b>Course #</b>	<b>Course Name</b>	<b>Hours</b>	<b>Department</b>	<b>Course #</b>	<b>Course Name</b>	<b>Hours</b>
<i>Apply to graduate from ATI at least one semester before the semester of your graduation.</i>	AEDECON	2105	Managerial Records and Analysis <sup>a</sup>	3	AGRCOMM	3130 or _____	Oral Expression in Agriculture Technical Elective	3
<i>Maintain at least a 2.0 cumulative GPA.</i>	AGRCOMM	3130 or _____	Oral Expression in Agriculture Technical Elective	3	BUSTEC	2241T or _____	Small Business Mgmt. <sup>a</sup>	3-4
<i>Graduate with Associate of Science Degree.</i>	CRPSOIL	2228T	Manure Management	3	ANMLTEC	3800T	Princ. of Farm Bus. Mgmt. <sup>a</sup>	3-4
	ENGTECH	2240T	Welding & Metal Fabrication	3	ENGTECH	2040T	Soil and Water Conservation Systems	4
	TECPHYS	1150T	Technical Physics <sup>a</sup>	5	_____	_____	Arts and Humanities Elective	3
	<b>Total: 17</b>				<b>Total: 13-14</b>			
<b>Total credit hours for Associate of Science Degree: 64-65</b>								
<b>Junior Year (Columbus)</b>	<b>Autumn Semester</b>				<b>Spring Semester</b>			
<b>Benchmarks</b>	<b>Department</b>	<b>Course #</b>	<b>Course Name</b>	<b>Hours</b>	<b>Department</b>	<b>Course #</b>	<b>Course Name</b>	<b>Hours</b>
<i>Half of ASM Supporting Courses should be completed by the end of this year.</i>	ASM	2305	Prof. Development I	2	_____	_____	Ag Sci/Mgt Elective <sup>b</sup>	3
<i>Apply to graduate from Columbus at least three semesters before the semester of your graduation.</i>	ASM	3232	Engines & Power Transmission	3	ASM	2310	Electrical Sys. for Agr. & Residential Application	2
	CS&E	1111 or 1112	Computer Problem Solving	3	ASM	3320	Facilities for Agr. & Greenhouse Prod.	3
	_____	_____	Data Analysis	3	ASM	3360	Agr. Machinery Mgmt.	3
	_____	_____	Lit/Art/Hist/Cul&Ideas (course not taken at ATI)	3	HCS	2200	The World of Plants	3
	<b>Total: 14</b>				<b>Total: 14</b>			
<b>Senior Year (Columbus)</b>	<b>Autumn Semester</b>				<b>Spring Semester</b>			
<b>Benchmarks</b>	<b>Department</b>	<b>Course #</b>	<b>Course Name</b>	<b>Hours</b>	<b>Department</b>	<b>Course #</b>	<b>Course Name</b>	<b>Hours</b>
<i>Maintain at least a 2.0 GPA in the major, minor, and cumulative.</i>	AEDECON	3170	Agricultural Law <sup>a</sup>	3	ASM	4560	Fluid Power & Electron in Agr. Machinery	3
<i>Graduate with Bachelor of Science Degree.</i>	ASM	4580	Precision Agriculture	2	ASM	4900	Capstone in ASM	3
	ASM	4575	Applied Agricultural Water Management	2	ASM	5600	Agr. Safety & Health	3
	ASM	4605	Prof. Development II	2	_____	_____	Contemporary Issues	3
	_____	_____	Ag Sci/Mgt Elective <sup>b</sup>	3	_____	_____	Elective	2
	_____	_____	Lit/Art/Hist/Cul&Ideas (course not taken at ATI)	3	<b>Total: 14</b>			
	<b>Total: 15</b>				<b>Total: 14</b>			
<b>Total credit hours for Bachelor of Science Degree: 121-122</b>								

<sup>a</sup> One possible course from approved CFAES GE list or B.S. major requirement that has multiple options, as outlined in corresponding Degree Requirements document.

<sup>b</sup> This course requirement may also be completed at ATI, and may be used as an elective in the A.S. major. See corresponding Degree Requirements for details.

**AGRICULTURAL SYSTEMS MANAGEMENT MAJOR (A.S.) INTERESTED IN  
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This advising sheet is for Ohio State ATI students that wish to earn both an Associate of Science (A.S.) Degree with a major in Agricultural Systems Management and a Bachelor of Science (B.S.) Degree with a major in Agricultural Systems Management. The tables below outline the complete degree requirements to earn a B.S. in Agriculture with a major in Agricultural Systems Management. The underlined courses are those that may also fulfill a requirement for the A.S. Agricultural Systems Management major. These courses can count toward both degree programs simultaneously.

**NOTE:** This sheet should not be used in isolation. In order to graduate in a timely manner, students must consult their academic advisor on a regular basis.

Table 1. Degree Requirements			
Subject	Course Options	Hours	✓
Survey Courses	<u>GENSTDS 1201.01T*</u> OR <u>FAES 1100 and ENGTECH 1201.03T*</u> OR <u>ASM 1100</u>	.5 .5	
Writing Level 1	<u>ENGLISH 1110</u>	3	
Writing Level 2	<u>AGRCOMM 2367*</u> or other course from approved CFAES GE list. <sup>a</sup>	3	
Oral Communication	<u>AGRCOMM 3130</u> or <u>COMM 2110</u>	3	
Math	<u>MATH 1148</u>	4	
Data Analysis	<u>COMLDR 3537</u> or <u>HCS 2260</u> or <u>AEDECON 2005</u> or <u>ENR 2000</u> or <u>ANIMSCI 2260</u> or <u>STAT 1450</u>	3	
Biological Science (with lab)	<u>ANIMSCI 2200.01 and ANMLTEC 2200.02T*</u> OR <u>ANIMSCI 2200.01 and 2200.02</u> OR <u>ANMLTEC 2200T*</u> and <u>2300T*</u>	4	
Physical Science (with lab)	<u>TECPHYS 1150T*</u> or <u>PHYSICS 1200</u>	5	
Additional Science	<u>CRPSOIL 2300T*</u> and <u>2301T*</u> OR <u>ENR 3000</u> and <u>3001</u>	4	
Additional Science	<u>HCS 2200</u>	3	
Social Science 1	<u>RURLSOC 1500*</u> or <u>SOCIOL 1101*</u>	3	
Social Science 2	<u>AEDECON 2001</u> or <u>ECON 2001</u>	3	
Historical Study	<u>HISTORY 1152</u> or other course from approved CFAES GE list. <sup>a</sup>	3	
Culture & Ideas or Historical Study	See approved CFAES GE list. <sup>a</sup>	3	
Literature	<u>COMPSTD 2301▲</u> or other course from approved CFAES GE list. <sup>a</sup>	3	
Art	<u>MUSIC 2250▲</u> or other course from approved CFAES GE list. <sup>a</sup>	3	
ASM Core	See Table 2.	43	
ASM Supporting Courses	See Table 3.	18-21	
Contemporary Issues	See approved CFAES GE list. <sup>a</sup>	3	
Internship	<u>ENGTECH 2191.04T*</u> or <u>ASM 3191</u>	2	
Electives	(May include <u>ENGTECH 2121T*</u> )	2-4	
<b>Minimum Total Credit Hours</b>		<b>121</b>	

<sup>a</sup> Available at [www.cfaes.osu.edu/students](http://www.cfaes.osu.edu/students)

<sup>b</sup> May be completed as a Technical Elective in the A.S. major

<sup>c</sup> With appropriate selection of ASM Supporting Courses, it is possible to complete the requirements for the Agribusiness minor. See advisor if interested.

<sup>d</sup> Prerequisite: ENR 4000

<sup>e</sup> See B.S. Degree Requirements available at [www.fabe.osu.edu](http://www.fabe.osu.edu). Students must complete a total of four courses with at least one from each category.

\* courses are only offered at the Wooster (ATI) Campus

Note: A capital OR separates a pair of equivalent courses, a lowercase or separates a choice between different courses that fulfill the same requirement.

**Additional Bachelor's Degree Requirements:**

- All students must complete at least one Social Diversity (●) course and two Global Issues (▲) courses. Please see the approved CFAES GE list for additional options.
- A 2.00 cumulative CPHR is required as well as a 2.00 CPHR in the major and minor coursework.
- Students must complete a minimum of 30 credit hours at The Ohio State University with at least 12 in the department in Columbus offering the major.
- Applications to graduate must be submitted at least three semesters in advance.

\*\*\*Degree requirements and course offerings are subject to change. July 2021 – JG\*\*\*

Table 2. Agricultural Systems Management Core Requirements		
Course(s)	Hours	✓
<u>ENGTECH 2240T*</u> Welding & Metal Fabrication OR <u>ASM 2240</u> Basic Metal Fabrication for Agriculture	3	
<u>ENGTECH 2120T*</u> Building Science: Methods & Materials OR <u>ASM 2241</u> Building Materials & Construction in Agriculture	3	
<u>ASM 2305</u> Professional Development I	2	
<u>ASM 2310</u> Electrical Systems for Agr. & Residential Applications	2	
<u>ENGTECH 2040T*</u> Soil & Water Conservation Systems OR <u>ASM 2370</u> and <u>2371</u> Environmental Hydrology and Land Survey for Agricultural & Environmental Systems	4	
<u>ENGTECH 2011T*</u> Small Engine Basics OR <u>ASM 3232</u> Engines and Power Transmission	3	
<u>ASM 3320</u> Facilities for Agricultural & Greenhouse Production	3	
<u>ASM 3360</u> Agricultural Machinery Management	3	
<u>CRPSOIL 2228T*</u> Manure Management OR <u>ASM 3550</u> Animal and Rural Waste Management	2	
<u>ASM 4560</u> Fluid Power & Electronics in Agricultural Machinery	3	
<u>ASM 4575</u> Applied Agricultural Water Management	2	
<u>ASM 4580</u> Precision Agriculture	2	
<u>ASM 5600</u> Agricultural Safety and Health	3	
<u>ASM 4605</u> Professional Development II	2	
<u>ASM 4900</u> Capstone in Agricultural Systems Management	3	
<u>CSE 1111</u> Computer Problem Solving in Business OR <u>CSE 1112</u> Computer Problem Solving for CSM	3	
<b>Total ASM Core Credit Hours</b>	<b>43</b>	

Table 3. Agricultural Systems Management Supporting Course Requirements <sup>c</sup>		
Course(s)	Hours	✓
<b>Accounting (choose one from below)</b> <u>AEDECON 2105</u> Managerial Records and Analysis OR <u>ACCT&amp;MIS 2200</u> Introduction to Accounting I OR <u>ACCT&amp;MIS 2000</u> Foundations of Accounting	3	
<b>Principles of Management (choose one from below)</b> <u>ANMLTEC 3800T*</u> Principles of Farm Business Management OR <u>BUSTEC 2241T*</u> Small Business Management OR <u>AEDECON 3101</u> Principles of Agribusiness Management OR <u>BUSMHR 3100</u> Foundations of Management & Human Resources	3	
<b>Business Law (choose one from below)</b> <u>BUSTEC 2247T*</u> Business Law OR <u>AEDECON 3170</u> Agribusiness Law OR <u>BUSFIN 3500</u> Legal Environment of Business OR <u>ENR 7520</u> Environmental Science & Law <sup>d</sup>	1.5-3	
<b>Ag Management Electives (from list<sup>e</sup>)</b> (May include <u>BUSTEC 2249T</u> and <u>BUSTEC 2244T</u> ) <sup>*.b</sup>	9-12 <sup>e</sup>	
<b>Ag Science Electives (from list<sup>e</sup>)</b> (May include <u>BIOTECH 2218T</u> ) <sup>*.b</sup>		
<b>Total ASM Supporting Course Credit Hours</b>	<b>18-21</b>	