



# Sustainable Agriculture



The challenges of meeting future food, fiber, and fuel needs—while protecting natural resources, managing profitable businesses, and supporting our communities—are upon us. While combining hands-on production skills with expertise in business management, you can build a career in agriculture that fosters environmental, economic, and social sustainability. Career options include crop and livestock production, supply chain management, education, advocacy, and more.

The business skills emphasized in our program are an important part of success in any career area, particularly in effective agricultural enterprises.

## IAA Students Receive:

- In-depth courses about crops, livestock, soils, fertilizers, etc.
- Management education directed toward sustainable agricultural careers.
- Hands-on learning inside and outside the classroom.
- Networking with industry professionals.
- An affordable education supported with scholarships and financial aid.
- An academic community with rich resources.

## How to Apply:

Apply for admission to the IAA at the University of Maryland and select the Sustainable Agriculture track.

**Get Started:** [iaa.umd.edu/apply](http://iaa.umd.edu/apply)

The Institute of Applied Agriculture (IAA) is a 60-credit academic certificate program in the College of Agriculture and Natural Resources at the University of Maryland, College Park.

### Contact Us:

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### Join the Conversation:

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## 2-YEAR PLAN FOR SUSTAINABLE AGRICULTURE

<b><u>1st YEAR, FALL SEMESTER</u></b>		<b><u>Credit Hours</u></b>	
ANSC 101/103	Principles of Animal Science - <i>Lecture/Lab</i>	3/1 OR	_____
PLSC 112/113	Introductory Crop Science	3/1 OR	_____
INAG 100	Introduction to Plant Science	4 OR	_____
PLSC 110/111	Introduction to Horticulture	3/1 OR	_____
NFSC 100	Elements of Nutrition	3 OR	_____
NFSC 112	Food: Science and Technology	3	_____
INAG 102	Agricultural Entrepreneurship	3	_____
ENGL 101	Academic Writing	3	_____
INAG 123	People, Planet, and Profit: Digging Into Sustainable Agriculture	3	_____
INAG 250	Fundamentals of Agricultural Mechanics	<u>3</u>	_____
		<b>15-16</b>	
<b><u>1st YEAR, SPRING SEMESTER</u></b>			
INAG 104	Quantitative Applications in Agriculture	3 OR	_____
MATH 113 <sup>1</sup>	College Algebra and Trigonometry	3	_____
INAG 105	Soils & Fertilizers	3	_____
INAG 110	Oral Communication	3	_____
INAG 204	Agricultural Business Management	3	_____
INAG 206	Agricultural Business Law	<u>3</u>	_____
		<b>15</b>	
<b><u>SUMMER, BETWEEN 1st and 2nd YEARS</u></b>			
INAG 288	Internship	<b>1</b>	_____
<b><u>2nd YEAR, FALL SEMESTER</u></b>			
INAG 103	Agricultural Marketing	3	_____
INAG 106	Pesticide Use & Safety (online)	2	_____
INAG 203	Agricultural Finance	3	_____
INAG 289 †	Internship Experience & Prof Development	3	_____
INAG 199	Special Problems or Approved Elective	<u>1-3</u>	_____
		<b>15-17</b>	
<b><u>2nd YEAR, SPRING SEMESTER</u></b>			
INAG 248	Topics in Sustainable Agriculture	1	_____
INAG 201	Agricultural Human Resources Management	3	_____
Approved Electives*		<u>10-13</u>	_____
<b>TOTAL CREDITS</b>		<b>50/60</b>	

*Sustainable Agriculture students may enroll in INAG 099, Cooperative Education, in lieu of ten elective credits; the co-op is a partnership between the IAA and an employer to provide high-quality academic and practical experience.*

### **Partial List of Approved Electives**

S/even years	INAG 205	Analyzing Alternative Enterprises	3	_____
S	INAG 207 †	Power and Machinery	3	_____
S/odd years	INAG 213	Crop Production Practices	3	_____
S/odd years	INAG 224	Greenhouse Production & Management	3	_____
F	INAG 231	Insects of Ornamentals & Turfgrass	3	_____
S	ANSC 282	Grazing Animal Management	3	_____
F	ANSC 220	Livestock Management	3	_____

ANSC, ENST, AREC, PLSC 110/111 and 200 level courses with approval.

† Prerequisite