



# Ornamental Horticulture



When it comes to green industries, ornamental horticulture is certainly growing. New technologies augment the breeding and growth of plants, and creative florists and innovative business managers are sought to design and retail unique plants for resorts, parks, greenhouses, botanical gardens, retail garden centers, research facilities, and more.

The state of Maryland is a great place for you to begin a career in ornamental horticulture. Horticulture production remains the second highest income-producing commodity group, with sales exceeding \$1.96 billion. Of all plants sold here, 81% are grown on Maryland's 20,800 acres of production area.

## IAA Students Receive:

- **In-depth courses** about plant propagation, soils, fertilizers, pesticides, etc.
- **Management education** directed toward green industry 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 **Ornamental Horticulture** 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:

- IAAumd
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## 2-YEAR PLAN FOR ORNAMENTAL HORTICULTURE

<u>1st YEAR, FALL SEMESTER</u>		<u>Credit Hours</u>	
INAG 100	Introduction to Plant Science	4	_____
INAG 102	Agricultural Entrepreneurship	3	_____
ENGL 101 <sup>1</sup>	Academic Writing	3	_____
INAG 250	Fundamentals of Agricultural Mechanics	3	_____
Approved Elective(s)*		<u>3</u>	_____
		<b>16</b>	

<u>1st YEAR, SPRING SEMESTER</u>			
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 224/odd years	Greenhouse & Plant Production Management	3 OR	_____
Approved Elective(s)*		3	_____
Approved Elective(s)*		<u>3</u>	_____
		<b>15</b>	

<u>SUMMER, BETWEEN 1st and 2nd YEARS</u>			
INAG 288	Internship	1	_____

<u>2nd YEAR, FALL SEMESTER</u>			
INAG 201	Agricultural Human Resources Management	3	_____
INAG 226	Diseases of Ornamentals & Turfgrass	3	_____
INAG 231	Insects of Ornamentals & Turfgrass	3	_____
INAG 253 †	Woody Plants for Mid-Atlantic Landscapes I	3	_____
INAG 289 †	Internship Experience & Prof Development	3	_____
		<b>15</b>	

<u>2nd YEAR, SPRING SEMESTER</u>			
INAG 106	Pesticide Use & Safety	2	_____
INAG 204	Agricultural Business Management	3	_____
INAG 206	Agricultural Business Law	3	_____
INAG 224/odd years	Greenhouse & Plant Production Management	3 OR	_____
Approved Elective(s)*		3	_____
Approved Elective(s)*		<u>3</u>	_____
		<b>14</b>	

**TOTAL CREDITS      60**

### Partial List of Approved Electives

F/S	INAG 199	Special Problems	1-3	_____
F/even years	INAG 251 †	Landscape Construction	3	_____
F/odd years	INAG 222	Landscape Design & Implementation	4	_____
S	INAG 235	Irrigation & Drainage Practices	3	_____
S/even years	INAG 244	Herbaceous Annuals & Perennials	3	_____
S	INAG 254 †	Woody Plants/Mid-Atlantic Landscapes II	3	_____
S/odd years	INAG 272	Principles of Arboriculture	3	_____

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

† Prerequisite

*Updated 07/2023*