

AGRICULTURE FORWARD ADVISING GUIDE
Certificate in Agricultural Business Management
to Bachelor of Science in Agricultural Science and Technology
Specialization: Environmental Horticulture

This is a sample academic plan for an Agriculture Forward student in the College of Agriculture and Natural Resources (AGNR) at the University of Maryland, College Park. An individualized plan will be created with each student based on math placement, transfer credits, and other academic considerations.

1st YEAR, FALL SEMESTER

		Credit Hours	Plan	Taken	Grade
ANSC 101/103	Principles of Animal Science/Lab	4	___	___	___
ENGL 101	Academic Writing † FSAW	3	___	___	___
INAG 102*	Agricultural Entrepreneurship	3	___	___	___
MATH 113	College Algebra and Trigonometry † FSMA	3	___	___	___
UNIV 100	The Student in the University	<u>1</u>	___	___	___
		14		■	___ GPA

1st YEAR, SPRING SEMESTER

BSCI 170/171	Principles of Molecular/Cell Bio/Lab † DSNL	4	___	___	___
INAG 250	Fundamentals of Agricultural Mechanics	3	___	___	___
MATH 120	Elementary Calculus I † FSMA/AR	3	___	___	___ OR
STAT 100	Elementary Statistics and Probability † FSMA/AR	3	___	___	___
PLSC 100	Introduction to Horticulture † DSNL	<u>4</u>	___	___	___
		14		■	___ GPA

SUMMER BETWEEN 1st and 2nd YEARS

INAG 288	Agricultural Practicum	1	___	■	___
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2nd YEAR, FALL SEMESTER

CHEM 131/132	Fundamentals of General Chem/Lab	4	___	___	___
INAG 106	Pesticide Use & Safety	2	___	___	___
INAG 289	Internship	3	___	___	___
PLSC 201	Plant Structure and Function	4	___	___	___
INAG 110	Oral Communication † FSOB	<u>3</u>	___	___	___
		16		■	___ GPA

2nd YEAR, SPRING SEMESTER

CHEM 231/232	Organic Chemistry I/Lab	4	___	___	___ OR
PLSC 275	Agricultural Chemistry	3	___	___	___
ENST 200	Fundamentals of Soil Science † DSNL	4	___	___	___
INAG 205*	Analyzing Alternative Enterprises	3	___	___	___ OR
INAG 206*	Agricultural Business Law	3	___	___	___
_____	_____ † DSHU/UP/IS	3	___	___	___
_____	_____	<u>3</u>	___	___	___
		16-17		■	___ GPA

3rd YEAR, FALL SEMESTER

AREC 250	Elements of Ag & Resource Economics † DSHS	3	___	___	___ OR
ECON 200	Fundamentals of Microeconomics † DSHS	3	___	___	___

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AREC 306*	Farm Mgmt & Sust. Food Prod. † DSSP	3	_____	_____	_____	
ENST 411	Principles of Soil Fertility	3	_____	_____	_____	OR
PLSC 461	Cultural Mgmt Nursery/Greenhouse: Substrates	1	_____	_____	_____	AND
PLSC 462	Cultural Mgmt Nursery/Greenhouse: Irrigation	1	_____	_____	_____	AND
PLSC 464	Cultural Mgmt Nursery/Greenhouse: Nutrients	1	_____	_____	_____	
PLSC 203	Plants, Genes, and Biotechnology	3	_____	_____	_____	
PLSC 389**	Internship	<u>3</u>	_____	_____	_____	
		15			_____	GPA

3rd YEAR, SPRING SEMESTER

ENGL 39_	Professional Writing † FSPW	3	_____	_____	_____	
LARC 160	Intro to Landscape Architecture † DSHU	3	_____	_____	_____	
PLSC 271	Plant Propagation	3	_____	_____	_____	
PLSC 303	Global Food Systems	3	_____	_____	_____	
_____	_____ † DSSP non-major	<u>3</u>	_____	_____	_____	
		15			_____	GPA

4th YEAR, FALL SEMESTER

BSCI 497	Insect Pests of Ornamentals and Turf	4	_____	_____	_____	
PLSC 420	Principles of Plant Pathology	4	_____	_____	_____	
PLSC 433	Technology of Fruit and Vegetable Production	3	_____	_____	_____	
PLSC 453	Weed Science	3	_____	_____	_____	
_____	_____	<u>3</u>	_____	_____	_____	
		17			_____	GPA

* Completion of IAA Certificate Requirements *

4th YEAR, SPRING SEMESTER

PLSC 432	Greenhouse Crop Production	3	_____	_____	_____	
PLSC 460	Application of Knowledge in Plant Sci † DSSP	3	_____	_____	_____	
_____	_____ † DSHS/UP/IS	3	_____	_____	_____	
_____	_____	3	_____	_____	_____	
_____	_____	<u>3</u>	_____	_____	_____	
		15			_____	GPA

TOTAL CREDITS 122-123

* INAG business management course. May choose from INAG 102, 103, 201, 203, 204, or 206. With permission, ANSC 236 or 270 or AREC 306 may be substituted.

** Consult with PSLA advisor early to see whether INAG 299B will satisfy the bachelor's degree internship requirement.

† General Education Requirement. Distributive Studies courses: student must take two each from HS (history/social sciences); HU (humanities); NS/NL (natural sciences; one must include a lab); and SP (Scholarship in Practice; one of these must be from outside the student's major). Among those eight courses, two must be I-Series courses and two must be Diversity courses (at least one of which must be an Understanding Plural Societies course).

Advised by: _____ Date _____ Date _____ Date _____ Date _____ Date _____

Date _____ Date _____ Date _____ Date _____

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Ag Forward Advising Checklist for Agricultural Business Management Students

To earn a Certificate in Applied Agriculture, Ag Forward students must complete **60 credits** in accordance with the requirements listed below.

Fundamental Studies (9 credits)

- INAG110 Oral Communication (3)
- ENGL101 Academic Writing (3)
- MATH113 College Algebra and Trigonometry (3) or higher

Fundamental Agricultural Science (4 credits)

One course from the following list:

- INAG100 Introduction to Plant Science (4)
- PLSC100 Introduction to Horticulture (4)
- PLSC101 Introductory Crop Science (4)
- ANSC101 & 103 Principles of Animal Science & Lab (4)
- NFSC100 Elements of Nutrition (3)

Applied Agriculture (13 credits)

One course from the following list:

- INAG105 Soils and Fertilizers (3)
- ENST200 Fundamentals of Soil Science (4)

All of the following courses:

- INAG106 Pesticide Use and Safety (2)
- INAG288 Agricultural Practicum (1)
- INAG289 Internship (3)
- INAG250 Fundamentals of Agricultural Mechanics (3)

Business Management (9 credits)

Three courses from the following list:

- INAG102 Agricultural Entrepreneurship (3)
- INAG103 Agricultural Marketing (3)
- INAG201 Agricultural Human Resource Management (3)
- INAG203 Agricultural Finance (3)
- INAG204 Agricultural Business Management (3)
- INAG206 Agricultural Business Law (3)
- AREC 306 Farm Mgmt and Sustainable Food Production (3)

Agriculture and Natural Resources (25+ credits) with advisor approval

- ANSC 101/103: Introduction to Animal Science/Lab (4)
- AREC 250: Elements of Agricultural and Resource Economics (3)
- PLSC 201: Plant Structure and Function (4)
- PLSC 203: Plants, Genes, and Biotechnology (3)
- ENST 411: Principles of Soil Fertility (3)
- BSCI 497: Biology of Insects (4)
- LARC 160: Intro to Landscape Architecture (3)
- PLSC 303: Global Food Systems (3)
- PLSC 271: Plant Propagation (3)