

Student: _____

UID: _____

AGRICULTURE FORWARD ADVISING GUIDE
Certificate in Agricultural Leadership and Communication
to Bachelor of Science in Environmental Science and Policy (ENSP)
Environment and Agriculture concentration

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.

<u>1st YEAR, FALL SEMESTER</u>		Credit Hours	Plan	Taken	Grade
ENGL 101	Academic Writing † FSAW	3	___	___	___
ENSP 101	Introduction to Environmental Science † DSNS	3	___	___	___
INAG 102*	Agricultural Entrepreneurship	3	___	___	___
MATH 120	Elementary Calculus I † FSMA/AR	3	___	___	___ OR
MATH 140	Calculus I † FSMA/AR	4	___	___	___
PLSC 101	Introductory Crop Science	4	___	___	___
UNIV 100	The Student in the University	<u>1</u>	___	___	___
		17-18		■	___ GPA

<u>1st YEAR, SPRING SEMESTER</u>					
BSCI 170/171	Principles of Molecular/Cell Bio/Lab † DSNS	4	___	___	___
CHEM 131/132	Fundamentals of General Chem/Lab	4	___	___	___
ENSP 102	Introduction to Environmental Policy † DSHS	3	___	___	___
INAG 132	Agricultural Leadership and Teamwork	<u>3</u>	___	___	___
		14		■	___ GPA

SUMMER BETWEEN 1st and 2nd YEARS

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

AREC 240	Intro to Economics & the Environment † DSHS	4	___	___	___ OR
ECON 200	Principles of Microeconomics † DSHS	3	___	___	___
BSCI 160/161	Principles of Ecology and Evolution/Lab	4	___	___	___
CHEM 231/32	Organic Chemistry I/Lab † DSNS/NL	4	___	___	___
INAG 103*	Agricultural Marketing	3	___	___	___
INAG 289	Internship	<u>3</u>	___	___	___
		17-18		■	___ GPA

2nd YEAR, SPRING SEMESTER

BSCI 222	Principles of Genetics	4	___	___	___ OR
PLSC 203	Plants, Genes, and Biotechnology (FALL)	3	___	___	___
GEOG 372	Remote Sensing	3	___	___	___
INAG 106	Pesticide Use & Safety	2	___	___	___
INAG 110	Oral Communication † FSOC	3	___	___	___
INAG 131	Intro to Ag Policy & Communication	<u>3</u>	___	___	___
		14-15		■	___ GPA

3rd YEAR, FALL SEMESTER

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ANSC 101/103	Principles of Animal Science/Lab	4	___	___	___
AREC 306*	Farm Mgmt & Sust. Food Production	3	___	___	___
ENST 200	Fundamentals of Soil Science † DSNL	4	___	___	___
GEOG 373	Geographic Information Systems	3	___	___	___
INAG 253	Agricultural Strategic Communication	<u>3</u>	___	___	___
		17			___ GPA

3rd YEAR, SPRING SEMESTER

BIOM 301	Introduction to Biometrics	3	___	___	___	OR
GEOG 306	Intro to Quant. Methods for Geographic Sci.	3	___	___	___	
ENGL 39_	Professional Writing † FSPW	3	___	___	___	
INAG 252	Agricultural Public Relations	3	___	___	___	
_____	Applied Sci/Policy course	3	___	___	___	
_____**	Restricted elective 1	<u>3</u>	___	___	___	
		15			___ GPA	

4th YEAR, FALL SEMESTER

ENSP 386***	Internship	3	___	___	___
_____**	Restricted elective 2	3	___	___	___
_____**	Restricted elective 3	3	___	___	___
_____	_____ † DSHU/UP or CC	3	___	___	___
_____	_____ † DSHU/UP or CC	<u>3</u>	___	___	___
		15			___ GPA

* Completion of IAA Certificate Requirements *

4th YEAR, SPRING SEMESTER

ENSP 400	Capstone: Environmental Sci. & Policy † DSSP	3	___	___	___
_____**	Restricted elective 4	3	___	___	___
_____**	Restricted elective 5	3	___	___	___
_____	_____	<u>3</u>	___	___	___
		12		___	___ GPA

TOTAL CREDITS 121-124

* 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.

** Restricted electives: student must choose five courses (15-19 credits) in one area.

Area 1 (Crop production and plant protection): BSCI 361 and 442; PLSC 420 (recommended); ENST 411; 413 or 423; and 441; PLSC 453.

Area 2 (Human dimensions): AREC 306, 365, 445, and 455; ECON 315; GEOG 312, 3xx (regional geography), and 431; GVPT 306; ENST 440 and 441; PLSC 303; SOCY 305 or 405.

*** Consult ENSP advisor as early as possible to find out whether INAG 288/289 will satisfy the internship requirement for ENSP.

† 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 (3 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 (12 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)
- INAG250 Fundamentals of Agricultural Mechanics (3)
- INAG299A Agricultural Practicum (1)
- INAG299B Internship (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 (29+ credits) with advisor approval:

- INAG 131: Intro to Ag Policy/Comm (3)
- INAG 132: Ag Leadership and Teamwork (3)
- INAG 252: Ag Public Relations (3)
- INAG 253: Ag Strategic Comm (3)
- ENSP 101: Introduction to Environmental Science (3)
- ANSC 101/103: Principles of Animal Science (4)
- AREC 240: Introduction to Economics and the Environment (3)
- ENSP 102: Introduction to Environmental Policy (3)
- AGNR restricted elective (3)
- ENSP 400: Capstone (3)