

Student: \_\_\_\_\_

UID: \_\_\_\_\_


**AGRICULTURE FORWARD ADVISING GUIDE**  
**Certificate in Turfgrass Management**  
**to Bachelor of Science in Environmental and Resource Economics (EREC/AREC)**  
**Field of Study: Natural Sciences**

This is a sample four-year academic plan for an Agriculture Forward student in the College of Agriculture and Natural Resources 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.


<b><u>1st YEAR, FALL SEMESTER</u></b>		<b>Credit Hours</b>	<b>Plan</b>	<b>Taken</b>	<b>Grade</b>
AREC 250 <sup>2</sup>	Elem of Ag and Resource Economics † DSHS	3	_____	_____	_____ OR
ECON 200 <sup>2</sup>	Principles of Microeconomics	3	_____	_____	_____
ENGL 101	Academic Writing † FSAW	3	_____	_____	_____
MATH 113	College Algebra and Trigonometry † FSMA	3	_____	_____	_____
PLSC 205	Intro to Turf Sci & Mgmt	4	_____	_____	_____
UNIV 100	The Student in the University	<u>1</u>	_____	_____	_____
		<b>14</b>		_____	_____ GPA
<b><u>1st YEAR, SPRING SEMESTER</u></b>					
ECON 201 <sup>2</sup>	Principles of Macroeconomics † DSHS	3	_____	_____	_____
INAG 110	Oral Communication † FSOC	3	_____	_____	_____
INAG 214	Agronomic Principles for Golf Turf (odd years)	3	_____	_____	_____
PLSC 100	Introduction to Horticulture † DSNL	4	_____	_____	_____
STAT 100 <sup>2</sup>	Elementary Statistics & Probability † FSAR	<u>3</u>	_____	_____	_____
		<b>16</b>		_____	_____ GPA
<b><u>SUMMER BETWEEN 1st and 2nd YEARS</u></b>					
INAG 288	Agricultural Practicum	<b>1</b>	_____	_____	_____
<b><u>2nd YEAR, FALL SEMESTER</u></b>					
CHEM 131/132 <sup>4</sup>	Fundamentals of Chemistry/Lab	4	_____	_____	_____
INAG 102 <sup>1</sup>	Agricultural Entrepreneurship	3	_____	_____	_____
INAG 289	Internship	3	_____	_____	_____
LARC 160	Intro to Landscape Architecture † DSHU	3	_____	_____	_____
MATH 120 <sup>2</sup>	Elementary Calculus I † FSAR	<u>3</u>	_____	_____	_____
		<b>16</b>		_____	_____ GPA
<b><u>2nd YEAR, SPRING SEMESTER</u></b>					
AREC 326 <sup>2</sup>	Intermediate Applied Microeconomics	3	_____	_____	_____
BMGT 230	Business Statistics † FSAR	3	_____	_____	_____ OR
ECON 230	Applied Economic Statistics † FSAR	3	_____	_____	_____
ENST 200 <sup>4</sup>	Fundamentals of Soil Science † DSNL/NL	4	_____	_____	_____
INAG 235	Irrigation and Drainage	3	_____	_____	_____ OR
INAG 237	Surveying and GPS Applications	3	_____	_____	_____
INAG 250	Fundamentals of Agricultural Mechanics	<u>3</u>	_____	_____	_____
		<b>16</b>		_____	_____ GPA

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**3rd YEAR, FALL SEMESTER**


ENGL 39_	_____	† FSPW	3	_____	_____	_____	
INAG 201	Agricultural Human Resources Management		3	_____	_____	_____	OR
INAG 206	Agricultural Business Law (SPRING)		3	_____	_____	_____	OR
BMGT 360	Strategic Management of Human Capital		3	_____	_____	_____	
INAG 226	Diseases of Ornamentals and Turf		3	_____	_____	_____	
INAG 231	Insects of Ornamentals and Turf		3	_____	_____	_____	
_____ <sup>4</sup>	_____ (field of study)		4	_____	_____	_____	
			<b>16</b>			_____	GPA

**3rd YEAR, SPRING SEMESTER**


AREC _____ <sup>3</sup>	_____		3	_____	_____	_____	
AREC _____ <sup>3</sup>	_____		3	_____	_____	_____	
INAG 106	Pesticide Use & Safety		2	_____	_____	_____	
INAG 207	Power and Machinery		3	_____	_____	_____	
_____	_____ † DSSP/IS		3	_____	_____	_____	
			<b>14</b>			_____	GPA

\* Completion of IAA Certificate Requirements\*

**4th YEAR, FALL SEMESTER**

AREC _____ <sup>3</sup>	_____		3	_____	_____	_____	
AREC _____ <sup>3</sup>	_____		3	_____	_____	_____	
_____	_____ † DSSP non-major/UP		3	_____	_____	_____	
_____	_____ † DSHU/UP/IS		3	_____	_____	_____	
_____	_____ † IS/UP		3	_____	_____	_____	
			<b>15</b>			_____	GPA

**4th YEAR, SPRING SEMESTER**

AREC _____ <sup>3</sup>	_____		3	_____	_____	_____	
_____	_____		3	_____	_____	_____	
_____	_____		3	_____	_____	_____	
_____	_____		3	_____	_____	_____	
			<b>12</b>			_____	GPA

**TOTAL CREDITS 120**

<sup>1</sup> INAG business management course. May choose from INAG 102, 103, 201, 203, 204, 205, or 206. With permission, ANSC 236 or 270 or AREC 306 may be substituted.

<sup>2</sup> AREC required benchmark course—must be completed with a C- or better before student moves on to upper-level work.

<sup>3</sup> Students may choose 5 of the following upper-level AREC courses: AREC 380, 382, 405, 422, 445, 446, 453, 454, 455, 456, 431, and 481.

<sup>4</sup> These are examples of Field of Study courses for the Natural Sciences focus. Students must choose at least three courses from the following list: AOSC 200/201; BSCI 160/161; CHEM 131/132; ENST 200; ENST 214; GEOG 201/211; PHYS 121/122; or any higher-level lab science course. (CHEM 131/132 and ENST 200 have been selected because ENST 200 satisfies a certificate 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 Turfgrass Management

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)

- INAG 110 Oral Communication (3)
- ENGL101 Academic Writing (3)
- MATH 113 College Algebra and Trigonometry (3) or higher

#### Fundamental Agricultural Science (11 credits)

*All of the following courses:*

- INAG 100 Introduction to Plant Science (4) SUB PLSC 100 Introduction to Horticulture (4)
- INAG 107/PLSC 205 Introduction to Turfgrass Management (4)
- INAG 214 Agronomic Principles for Golf Turf Management (3)

#### Applied Agriculture (28 credits)

*One of the following:*

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

*One of the following:*

- INAG 226 Diseases of Ornamentals & Turfgrass (3)
- PLSC 420 Plant Pathology (4)

*One of the following:*

- INAG 231 Insects of Ornamentals & Turfgrass (3)
- BSCI 337 Biology of Insects (4)
- BSCI 497 Insect Pests of Ornamentals and Turf (4)

*One of the following:*

- INAG 235 Irrigation & Drainage (3)
- INAG 237 Surveying and GPS Applications (3)

*One of the following:*

- INAG 218 Landscape Construction (3)
- INAG 222 Landscape Design and Implementation (4)
- LARC 160 Introduction to Landscape Architecture (3)
- INAG 244 Herbaceous Annuals & Perennials (3)

*All of the following courses:*

- INAG 106 Pesticide Use and Safety (2)
- INAG 207 Power and Machinery (3)
- INAG 250 Fundamentals of Agricultural Mechanics (3)
- INAG 288 Agricultural Practicum (1)
- INAG 289 Internship (3)

#### Business Management (6 credits)

*One of the following:*

- INAG 102 Agricultural Entrepreneurship (3)
- BMGT 361 Entrepreneurship (3)

*One of the following:*

- INAG 201 Agricultural Human Resource Management (3)
- BMGT 360 Strategic Management of Human Capital (3)
- INAG 206 Agricultural Business Law (3)

**Agriculture and Natural Resources (6+ credits) with advisor approval:**

- AREC 240 or 250 or ECON 200 (Microeconomics) (3)
- AREC 326: Intermediate Applied Microeconomics (3)