

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

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

**AGRICULTURE FORWARD ADVISING GUIDE**  
**Certificate in Golf Course Management**  
**to Bachelor of Science in Plant Science**  
**Concentration: Turf and Golf Course Management**

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.

<b><u>1st YEAR, FALL SEMESTER</u></b>		<b>Credit Hours</b>	<b>Plan</b>	<b>Taken</b>	<b>Grade</b>
BSCI 170/171	Principles of Molecular/Cell Bio/Lab † DSNS	4	_____	_____	_____
ENGL 101	Academic Writing † FSAW	3	_____	_____	_____
MATH 113	College Algebra and Trigonometry † FSMA	3	_____	_____	_____
PLSC 205	Introduction to Turf Science and Mgmt † DSNL	4	_____	_____	_____
UNIV 100	The Student in the University	<u>1</u>	_____	_____	_____
		<b>15</b>		_____	_____ GPA

<b><u>1st YEAR, SPRING SEMESTER</u></b>					
CHEM 131/132	Fundamentals of General Chem/Lab † DSNL	4	_____	_____	_____
INAG 110	Oral Communication † FSOC	3	_____	_____	_____
LARC 160	Intro to Landscape Architecture † DSHU	3	_____	_____	_____
PLSC 100	Introduction to Horticulture † DSNL	4	_____	_____	_____
_____	_____ † FSAR	<u>3</u>	_____	_____	_____
		<b>17</b>		_____	_____ GPA

**SUMMER BETWEEN 1st and 2nd YEARS**

INAG 288	Agricultural Practicum	<b>1</b>	_____	_____	_____
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**2nd YEAR, FALL SEMESTER**


BSCI 160/161	Principles of Ecology and Evolution/Lab	4	_____	_____	_____
INAG 201	Agricultural Human Resources Mgmt	3	_____	_____	_____ OR
BMGT 360	Strategic Management of Human Capital	3	_____	_____	_____ OR
INAG 206	Agricultural Business Law (spring)	3	_____	_____	_____
INAG 214	Agronomic Principles for Golf Turf Mgmt	3	_____	_____	_____
INAG 289	Internship	3	_____	_____	_____
PLSC 201	Plant Structure and Function	<u>4</u>	_____	_____	_____
		<b>17</b>		_____	_____ GPA

**2nd YEAR, SPRING SEMESTER**


CHEM 231/232	Organic Chemistry I/Lab	4	_____	_____	_____ OR
PLSC 275	Fundamentals of Agricultural Chemistry	3	_____	_____	_____
ENST 200	Fundamentals of Soil Science † DSNL	4	_____	_____	_____
INAG 215	Business Mgmt Practices for Turf Facilities	3	_____	_____	_____
INAG 250	Fundamentals of Agricultural Mechanics	3	_____	_____	_____
_____	_____ † DSSP/IS	<u>3</u>	_____	_____	_____
		<b>16-17</b>		_____	_____ GPA

**3rd YEAR, FALL SEMESTER**


September 2019

ENST 411	Principles of Soil Fertility	3	_____	_____	_____
PLSC 389	Internship	3	_____	_____	_____
PLSC 401	Pest Management Strategies for Turfgrass	3	_____	_____	_____
ENGL 39_	Professional Writing † FSPW	3	_____	_____	_____
_____	_____ † DSHU/UP	<u>3</u>	_____	_____	_____
		<b>15</b>			_____ GPA

**3rd YEAR, SPRING SEMESTER**


BSCI 337	Biology of Insects	4	_____	_____	_____
INAG 106	Pesticide Use & Safety	2	_____	_____	_____
INAG 207	Power and Machinery	3	_____	_____	_____
PHYS 121	Fundamentals of Physics	4	_____	_____	_____
PLSC 235	Irrigation and Drainage	<u>3</u>	_____	_____	_____
		<b>16</b>			_____ GPA

**4th YEAR, FALL SEMESTER**

PLSC 453	Weed Science	3	_____	_____	_____
PLSC 402	Sports Turf Management	3	_____	_____	_____
PLSC 420	Principles of Plant Pathology	4	_____	_____	_____
_____	_____ † DSHS/IS	<u>3</u>	_____	_____	_____
		<b>13</b>			_____ GPA

\* Completion of IAA Certificate Requirements \*

**4th YEAR, SPRING SEMESTER**

PLSC 410	Commercial Turf Maintenance and Production	3	_____	_____	_____
PLSC 400	Plant Physiology	4	_____	_____	_____
PLSC 460	Application of Knowledge in Plant Sci † DSSP	3	_____	_____	_____
_____	_____ † DSHS/UP	<u>3</u>	_____	_____	_____
		<b>13</b>			_____ GPA

**TOTAL CREDITS** 123-124 

\*\* Students should consult their PSLA advisor early in their career to see whether the IAA internship may be counted toward the 4-year degree. If the PSLA advisor agrees that the internship is relevant to the student's course of study, PLSC 389 may be waived. Students should discuss this with the PSLA advisor before finalizing internship plans for INAG 288. Consult advisor for details.

† 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 \_\_\_\_\_

September 2019

## Ag Forward Advising Checklist for Golf Course 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) SUBSTITUTE PLSC 100: Intro to Horticulture (4)
- INAG 107/PLSC 205 Introduction to Turfgrass Management (4)
- INAG 214 Agronomic Principles for Golf Turf (3)

### Applied Agriculture (30 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 242 Golf Course Design & Construction (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)

- INAG 215 Business Management Practices for Turf Facilities (3)

*Plus 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 (4+ credits) *with advisor approval:*

- PLSC 201: Plant Structure and Function (3)
- PLSC 401: Pest Management Strategies for Turfgrass (3)