



**Bachelor of Science in Agriculture, Food and Environmental Sciences**

**Major: Agronomy**

**2020-2021 Sample 4-Year Plan**

**Total Degree Requirements: 125 credits**

Student \_\_\_\_\_ Student ID# \_\_\_\_\_ Student Phone # \_\_\_\_\_

Advisor \_\_\_\_\_ Minimum GPA 2.5 Core, 2.0 overall Minor/Career Interest(s) \_\_\_\_\_

Students are not limited to this plan; it is meant to be used as a guide for planning purposes in consultation with your advisor. The sample schedule is one possible path to completing your degree within four years. For official program requirements, please refer to the [Undergraduate Catalog](#).

**First Year**

**Fall**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
PS 119*	First Year Seminar		1	F	
PS 103-103L*	Crop Production and Lab		3	F/S/Su	
BIOL 151-151L	General Biology I and Lab (SGR #6)		4	F	
ENGL 101	Composition I (SGR #1)	p. Placement	3	F/S/Su	
MATH 114	College Algebra (SGR #5)	p. Placement; MATH 115 or MATH 120 or higher accepted	3	F/S/Su	
<b>Total Credit Hours</b>			14		

**Spring**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
BOT 201-201L or BIOL 153-153L	General Botany and Lab (3 cr) (SGR #6) or General Biology II and lab (4 cr) (SGR #6)	p. BIOL 101/L or BIOL 151/L BOT 201 preferred	3-4	S S	
CHEM 106-106L or CHEM 112-112L	Chemistry Survey and Lab or General Chemistry I and Lab	p. MATH placement p. MATH 114 or higher placement	4	F/S/Su	
PS 285*	Agricultural Computations	Cross Listed: HO 285	2	F/S	
SGR #3	ABS 203, or SOC 100, or SOC 150, or SOC 240	ABS 203 preferred	3	F/S	
SGR #2	Oral Communication (SGR #2)		3		
<b>Total Credit Hours</b>			15-16		

**Second Year**

**Fall**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
AHPS Elective	Take at least 2 credits from each of the three areas (Crops, Plant Protection, or Soils/Environmental Protection) and a total of 13 credits of AHPS Electives	See catalog for approved list	3		
ENGL 201	Composition II (SGR #1)	p. ENGL 101	3	F/S/Su	
PS 213-213L*	Soils and Lab	p. CHEM 106/L or CHEM 112/L	3	F/S	
PS 223-223L*	Principles of Plant Pathology and Lab	p. BIOL 153/L or BOT 201/L	3	F/S	
SGR #4	Arts and Humanities/Diversity		3		
<b>Total Credit Hours</b>			15		

**Spring**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
AHPS Elective	Take at least 2 credits from each of the three areas (Crops, Plant Protection, or Soils/Environmental Protection)	See catalog for approved list	3		
CHEM 108-108L or CHEM 120-120L	Organic and Biochemistry and Lab (5 cr) Elementary Organic Chemistry and Lab (3 cr)	p. CHEM 106/L p. CHEM 106/L or 112/L	3-5	F/S/Su S	
PRAG 423*	Soil Fertility and Plant Nutrient Management	p. PS 213/L	3	F/S	
SGR #4	Arts and Humanities/Diversity		3		
STAT 281	Introduction to Statistics	p. MATH 114 or higher	3	F/S/Su	
<b>Total Credit Hours</b>			15-17		



**Third Year**

**Fall**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
AHPS Elective	Take at least 2 credits from each of the three areas (Crops, Plant Protection, or Soils/Environmental Protection)	See catalog for approved list	3		
ECON 201 or ECON 202	Principles of Microeconomics (SGR #3) or Principles of Macroeconomics (SGR #3)	ECON 201 required in the AgBus minor	3	F/S/Su	
Precision Ag Elective	AST 426/L, PRAG 203/L, PRAG 427, or PRAG 440/L	p. PRAG 427 for PRAG 440/L	3		
PS 383-383L or BIOL 202-202L or BIOL 371	Principles of Crop Improvement and Lab (3 cr), or Genetics and Organismal Biology and Lab (4 cr), or Genetics (3 cr)	p. PS 103 or HO 111; BIOL 153 or BOT 201 p. BIOL 103 or 153; CHEM 114 p. BIOL 101 or BIOL 151	3-4	F/S F F/S	
PS 405-405L or PS 407-407L*	Entomology and Lab, or Insect Pest Management and Lab	p. BIOL 151/L "C" grade or better	3	F S	
<b>Total Credit Hours</b>			15-16		

**Spring**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
AGEC 354, or AS 285/L, or MKTG 474, or ENGL 379	Agricultural Marketing and Prices, or Livestock Evaluation and Marketing and Lab, or Personal Selling, or Technical Communication	p. ECON 201 or 202 p. AS 101 p. MKTG 370 p. ENGL 201 or ENGL 205/277/283/284	3	F/S/Su F/S F F/S	
AHPS Elective	Take at least 2 credits from each of the three areas (Crops, Plant Protection, or Soils/Environmental Protection)	See catalog for approved list	3		
BOT 327-327L or BOT 419-419L	Plant Physiology and Lab (4 cr), or Plant Ecology and Lab (3 cr)	p. BIOL 153/L or BOT 201/L	3-4	S F	
Natural Resources Stewardship Elective*	Select from ABS 203, ABS 482, BIOL 383, PRAG 410/L, PS 243, PS 407/L, or PS 462/L	Course cannot be re-used to meet any core or PS elective requirements	3-4		
PHYS 101-101L or PHYS 111-111L	Survey of Physics and Lab, or Introduction to Physics I and Lab	Check second lab time p. MATH 114 or higher	4	F/S	
<b>Total Credit Hours</b>			16-18		

**Summer**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
PS 494 or HO 494*	Internship	p. Written Consent	1	F/S/Su	
<b>Total Credit Hours</b>			1		

**Fourth Year**

**Fall**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
ABS 475-475L*	Integrated Natural Resource Management and Lab	p. Senior standing or written consent	3	F	
PS 445-445L*	Weed Science and Lab	p. PS 103/L; CHEM 108/L, 120/L, or 326/L	3	F	
PS 490 or HO 490*	Internship – seminar	p. PS 494	1	F/S	
General elective		Consider work towards a minor	8-9		
<b>Total Credit Hours</b>			15-16		

**Spring**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
AHPS Elective	Take at least 2 credits from each of the three areas (Crops, Plant Protection, or Soils/Environmental Protection) and a total of 13 credits of AHPS Electives	See catalog for approved list	1		
PS 421/L & PS 492, Or MICR 231-231L	Soil Microbiology and Lab & Topics – Ex. In Soil Micro, Or General Microbiology and Lab	p. BIOL 153/L or BOT 201/L p. CHEM 106/L or CHEM 112/L	4	S F/S	
General elective	General electives taken as needed to reach 125 credits		8-13		
<b>Total Credit Hours</b>			13-18		

**Comments/Notes**

Students from all academic majors can pursue graduation with Fishback Honors College distinction. View the [Honors program requirements](#).

**\*Agronomy Major Core Curriculum: A student must have a 2.5 GPA or higher and a grade of C or higher in the courses used to satisfy the Agronomy core curriculum in order to graduate with a major in Agronomy.**

Information Subject to Change. This is not a contract.

p. = Course Prerequisite  
Semester: F = Fall, S = Spring, SU = Summer