South Dakota State University

Bachelor of Science
Major: Agronomy
2025-2026 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	
BIOL 101-101L or BIOL 151-151L	Biology Survey I and Lab I (3 cr) (SGR#6) or General Biology I and Lab (4 cr) (SGR #6)		3-4	F/S F/S(I)	
SGR #1	Written Communication (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	
		Total Credit Hours	13-14		

Spring

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
BOT 201-201L or BIOL 103-103L or BIOL 153-153L	General Botany and Lab (3 cr) (SGR #6) or Biology Survey II and Lab (3 cr) (SGR #6) or General Biology II and lab (4 cr) (SGR #6)	p. BIOL 101 or BIOL 151 BOT 201 preferred	3-4	S F(I)/S F(I)/S	
CHEM 106-106L or CHEM 112-112L	Chemistry Survey and Lab (SGR #6) or General Chemistry I and Lab (SGR #6)	p. MATH placement p. MATH 114 or higher placement	4	F/S/Su	
PRAG 285*	Agricultural Computations		2	F/S	
SGR #2	Oral Communication (SGR #2)		3	F/S/Su	
SGR #3	Social Sciences (SGR #3) – Civics Requirement	Select from the designated list of courses to fulfill civics requirement	3	F/S	
		Total Credit Hours	15-16		

SECOND YEAR

Fall

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
AHPS Electives	Take at least 2 credits from each of the 3 areas (Crops, Plant Protection, or Soils/Environmental Protection)	See catalog for approved list. Total of 15 credits of AHPS electives	3		
PS 213-213L*	Soils and Lab (SGR #6)	p. CHEM 106/L or CHEM 112/L	3	F/S	
PS 223-223L*	Principles of Plant Pathology and Lab	p. BIOL 103 or 153 or BOT 201/L	3	F	
SGR #1	Written Communication (SGR #1)	p. ENGL 101	3	F/S/Su	
SGR #4	Arts and Humanities/Diversity		3	F/S/Su	
		Total Credit Hours	15		

Spring

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
AHPS Electives	Take at least 2 credits from each of the 3 areas (15 cr total) (Crops, Plant Protection, or Soils/Environmental Protection)	See catalog for approved list for a total of 15 credits of AHPS electives	3		
CHEM 108-108L or CHEM 120-120L	Organic and Biochemistry and Lab (5 cr) (SGR #6), or Elementary Organic Chemistry and Lab (3 cr)	p. CHEM 106 or CHEM 112 p. CHEM 106 or CHEM 112	3-5	F/S/Su S	
ECON 201 or ECON 202	Principles of Microeconomics (SGR #3) or Principles of Macroeconomics (SGR #3)	ECON 201 required in the Ag Bus minor	3	F/S/Su	
SGR #4	Arts and Humanities/Diversity		3	F/S/Su	
STAT 281	Introduction to Statistics (SGR #5)	p. MATH 114 or higher	3	F/S/Su	
		Total Credit Hours	15-17		

Information Subject to Change. This is not a contract.

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

THIRD YEAR

Fall

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
AHPS Electives	Take at least 2 credits from each of the 3 areas (15 cr total) (Crops, Plant Protection, or Soils/Environmental Protection)	See catalog for approved list for a total of 15 credits of AHPS electives	3		
Precision Ag Elective	AST 426/L, PRAG 203/L, PRAG 427, or PRAG 440/L	p. PRAG 427 for PRAG 440/L	2-3		
PS 383-383L or BIOL 202-202L or BIOL 371	Principles of Crop Improvement and Lab (3 cr) or Genetics and Molecular Biology and Lab (4 cr) or Genetics (3 cr)	p. PS 103; BIOL 103 or 153 or BOT 201 p. BIOL 103 or 153; CHEM 114 p. BIOL 101 or BIOL 151	3-4	F F F(I)/S	
PS 405-405L or PS 407-407L*	Entomology and Lab or Insect Pest Management and Lab	p. BIOL 151 "C" grade or better	3	F S	
PRAG 423*	Soil Fertility and Plant Nutrient Management	p. PS 213	3	F/S	
		Total Credit Hours	14-16		

Spring

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
AGEC 354 or AS 285-285L 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 205, 277, 283, 284	3	F/S/Su F/S F/S F/S/Su	
AHPS Electives	Take at least 2 credits from each of the 3 areas (15 cr total) (Crops, Plant Protection, or Soils/Environmental Protection)	See catalog for approved list for a total of 15 credits of AHPS electives	3		
BOT 327-327L or BOT 419-419L	Plant Physiology and Lab (4 cr) or Plant Ecology and Lab (3 cr)	p. BIOL 101 and BIOL 103, BIOL 151 and 153, BOT 201 and BIOL 101, or BOT 201 and BIOL 151 p. BIOL 153 or BOT 201 for BOT 419	3-4	S F even	
Natural Resources Stewardship Elective*	Select from AFES 203, AFES 482, BIOL 383, PRAG 310 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 (SGR #6) or Introduction to Physics I and Lab (SGR #6)	Check all lecture and lab meeting times p. MATH 114 or higher	4	F/S F	
		Total Credit Hours	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	
		Total Credit Hours	1		

FOURTH YEAR

Fall

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
PRAG 475	Senior Capstone	p. PRAG 285 or AST 273, & STAT 281 or 383. Senior standing	3	F	
PS 445-445L*	Weed Science and Lab	p. PS 103 or HO 111, & CHEM 108, 120 or 326	3	F	
PS 490 or HO 490*	Internship – seminar	p. HO 494 or PS 494	1	F/S	
General Electives		Consider work towards a minor	9-11		
		Total Credit Hours	16-18		

Spring

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
AHPS Electives	Take at least 2 credits from each of the 3 areas (15 cr total) (Crops, Plant Protection, or Soils/Environmental Protection)	See catalog for approved list for a total of 15 credits of AHPS electives	3		
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 151 & 153 or BOT 201/L p. CHEM 106 or CHEM 112	4	S F/S	
General Electives	General electives taken as needed to reach 125 credits		5-11		
		Total Credit Hours	12-18		

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.**

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Semester: F = Fall, S = Spring, SU = Summer