South Dakota State University

Bachelor of Science
Major: Agricultural Science
2025-2026 Sample 4-Year Plan
Total Degree Requirements: 120 credits

Student _____ **Student ID#** _____ **Student Phone #** _____

Advisor _____ **Minimum GPA** 2.0 **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
AFES 119	First Year Seminar		2	F	
BIOL 101-101L	Biology Survey I and Lab (SGR #6)		3	F/S	
PS 103-103L	Crop Production and Lab		3	F/S	
SGR #2	Oral Communication (SGR #2)		3		
SGR #3	Social Sciences (SGR #3) – Civics Requirement	Select from the designated list of courses to fulfill civics requirement	3		
		Total Credit Hours	14		

Spring

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
AS 101-101L or AS 102 or DS 130-130L	Introduction to Animal Science and Lab (4cr) or Fundamentals of Animal Science (3cr) Introduction to Dairy Science and Lab (3cr)	Fall semester for AnSci majors only	4 3 3	F/S SU F/S	
BIOL 103-103L or BOT 201-201L or PRAG 203-203L or RANG 205-205L	Biology Survey II and Lab or General Botany and Lab or Introduction to Precision Agriculture and Lab or Introduction to Range Management and Lab	p. BIOL 101 or BIOL 151	3	F/S S F/S S	
SGR #1	Written Communication (SGR #1)	p. Placement	3		
SGR #4	Arts and Humanities (SGR #4)		3		
SGR #5	Mathematics (SGR #5)	p. Placement	3		
		Total Credit Hours	15-16		

SECOND YEAR

Fall

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
AGEC 271	Farm and Ranch Management		3	F/S/SU	
Agriculture Elective	Select credits with the prefix of: ABE, AFES, AST, DS, EES, FS, HO, NRM, PRAG, RANG, VET or WL		3		
CHEM 106-106L	Chemistry Survey and Lab (SGR #6)	p. MATH placement	4	F/S	
SGR #4	Arts and Humanities (SGR #4)	Different discipline	3		
*Elective			2		
		Total Credit Hours	15		

Spring

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
Agriculture Elective	Select credits with the prefix of: ABE, AFES, AST, DS, EES, FS, HO, NRM, PRAG, RANG, VET or WL		3		
AS 218	Survey of Animal Nutrition	p. AS 101/L, AS 102 or DS 130/L; AS 319/L also allowed with p. AS 219	3	S	
ECON 201	Principles of Microeconomics (SGR #3)	ECON 202 accepted, not preferred	3	F/S/SU	
PS 213-213L	Soils and Lab	p. CHEM 106-106L	3	F/S	
SGR #1	Written Communication (SGR #1)	p. ENGL 101	3		
		Total Credit Hours	15		

*Electives: Elective credits can be used to pursue minors and/or double major

Information Subject to Change. This is not a contract.

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

THIRD YEAR

Fall

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
ACCT 210 or STAT 281	Principles of Accounting I or Introduction to Statistics	 p. MATH 103 or higher	3	F/S/SU F/S/SU	
AGEC 354	Agricultural Marketing and Prices	p. ECON 201 or 202	3	F/S/SU	
Ag Product Elective	Select from: AS 241-241L Intro to Meat Science (3 cr) AS 285-285L Livestock Eval and Marketing (3 cr) DS 231 Dairy Foods (3 cr) FS 101 Intro to Food Science (3 cr) PS 308-308L Grain Grading (2 cr) PS 312 Grain and Seed Production and Processing (3 cr) PS 403-403L Seed Technology (3 cr)	 p. AS 101 p. PS 103/L p. PS 103/L or HO 111/L p. PS 103/L or HO 111/L	2-3	 F/S F/S S S S S even F	
*Electives			6-7		
		Total Credit Hours	15		

Spring

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
AS 332, or PS 383-383L, or BIOL 371	Livestock Breeding and Genetics (4cr), or Principles of Crop Improvement and Lab (3cr), or Genetics (3cr)	p. AS 101, 102 or DS 130 and BIOL 101 p. PS 103, and BIOL 103 or BOT 201 p. BIOL 101 or BIOL 151	4 3 3	F/S F F/S	
Business Electives	Select from: AGEC 274 Agribusiness Sales AGEC 352 Agricultural Law AGEC 462 Environmental Law AGEC 364 Intro to Cooperatives AGEC 366 Food Law AGEC 371 Agricultural Business Mgmt FIN 280 Personal Finance MGMT 334 Small Business Mgmt MKTG 474 Personal Selling	 p. ECON 201 p. MKTG 370	3	 F/S F/S S even S S Odd F/S/SU S/F F/S/SU F/S	
*Electives			8-9		
		Total Credit Hours	15		

FOURTH YEAR

Fall

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
Upper-Level Ag Requirement	Select from the following courses: AGEC 471 Adv Farm & Ranch Mgmt (3 cr) AS 389 Current Issues in Animal Science (3 cr) DS 480/L Dairy Farm Operations I (4 cr) DS 481/L Dairy Farm Operations II (4 cr) HO 434 Local Food Production (2 cr) HO 435 Local Food Production: Harvest and Storage (2 cr) HO 475 Senior Capstone NRM 485 – Integrated Natural Resource Mgmt (3 cr) PRAG 440/L Crop Mgmt with Precision Farming (3 cr) PRAG 475 Senior Capstone RANG 374/L Habitat Conservation and Mgmt (4 cr)	 p. AGEC 271 or ACCT 210 p. AS 218, DS 130 & ECON 201 or 202 p. DS 130, 480 & ECON 201 or 202 If taking HO course, must take HO 434 and HO 435 to meet credit requirement p. senior standing p. senior standing p. PRAG 427 p. PRAG 285 or AST 273 & STAT 281	3-4	 F F/S/SU F odd S even S F F S F/S F F	
*Elective			11-12		
		Total Credit Hours	15		

Spring

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
*Elective	Select any discipline as needed to reach 120 total credits		15-16		
		Total Credit Hours	15-16		

COMMENTS/NOTES

* Elective credits can be used to pursue minors and/or double major.

Students from all academic majors can pursue graduation with Fishback Honors College distinction. View the Honors program requirements.

Students must have at least 20 credits of upper level (300/400).

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