South Dakota State University

Associate of Science
Major: Agricultural Science (2 year)
2026-2027 Sample Graduation Plan
Total Degree Requirements: 60 credits

Brookings Main Campus

See page 3-4 for Online guide
See page 5-6 for Pierre and Rapid City guides

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	
Agriculture Elective	Select prefixes from: AFES, AGEC, AGED, AS, AST, DS, EES, FS, HO, NRM, PRAG, PS, RANG, VET, and WL		3		
Agriculture Elective	Select prefixes from: AFES, AGEC, AGED, AS, AST, DS, EES, FS, HO, NRM, PRAG, PS, RANG, VET, and WL		3		
SGR #2	Oral Communication (SGR #2)	Select from CMST 101, 215, or 222	3		
SGR #6	Natural Sciences (SGR #6)	BIOL 101-101L recommended	3		
		Total Credit Hours	14		

Spring

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
Agriculture Elective	Select prefixes from: AFES, AGEC, AGED, AS, AST, DS, EES, FS, HO, NRM, PRAG, PS, RANG, VET, and WL		3		
Agriculture Elective	Select prefixes from: AFES, AGEC, AGED, AS, AST, DS, EES, FS, HO, NRM, PRAG, PS, RANG, VET, and WL		3		
SGR #1	Written Communication (SGR #1)	ENGL 101; p. Placement	3		
SGR #3	Social Sciences (SGR #3) – Civics Requirement	Select from CIV 100, HIST 151, HIST 152, POLS 100, or POLS 210	3		
SGR #5	Mathematics (SGR #5)	p. Placement	3		
		Total Credit Hours	15		

SECOND YEAR

Fall

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
Agriculture Elective	Select prefixes from: AFES, AGEC, AGED, AS, AST, DS, EES, FS, HO, NRM, PRAG, PS, RANG, VET, and WL		3		
Agriculture Elective	Select prefixes from: AFES, AGEC, AGED, AS, AST, DS, EES, FS, HO, NRM, PRAG, PS, RANG, VET, and WL		1		
SGR #1	Written Communication: ENGL 201, 277, 283, or 284	p. ENGL 101	3		
SGR #4	Arts and Humanities (SGR #4)		3		
SGR #3, SGR #4, or SGR #6	Select an additional three credits from the SGR #3, #4, or #6 list to reach 24 System General Education Requirements for the Associate degree.		3		
Elective			3		
		Total Credit Hours	16		

Spring

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
Electives			15		
		Total Credit Hours	15		

COMMENTS/NOTES

Information Subject to Change. This is not a contract.

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

COMMON COURSES SELECTED

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
AGEC 271	Farm and Ranch Management		3	F/S/SU	
AGEC 274	Agribusiness Sales	p. ECON 201	3	F/S	
AGEC 352	Agricultural Law	Cross-listed: BLAW 352	3	F(I)/S(I)	
AGEC 354	Agricultural Marketing and Prices	p. ECON 201 or 202	3	F/S/SU	
AGEC 364	Intro to Cooperatives		3	S	
AGEC 366	Food Law		3	S Odd	
AGEC 371	Agricultural Business Management		3	F/S/SU	
AGEC 462	Environmental Law	Cross-listed: BLAW 462	3	S Even(I)	
AGED 295	Practicum		1	F	
AGED 305	Philosophies of Career and Technical Education	Cross-listed: FCSE 305	2	F	
AST 213-213L	Ag, Industrial & Outdoor Power and Lab		3	F	
AST 273	Agricultural Computer Applications		3	F/S	
AST 333-333L	Soil and Water Mechanics and Lab		3	S	
AST 342-342L	Applied Electricity and Lab		3	F/S	
AFES 203	Global Food Systems		3	F/S	
AFES 263	History of US and World Agriculture		3	F/S(I)	
AS 101-101L	Intro to Animal Science and Lab	Fall is for Animal Science majors only	4	F/S	
AS 102	Fundamentals of Animal Science		3	SU(I)	
AS 104-104L	Intro to Horse Management and Lab		3	F	
AS 105	Horsemanship		1	F	
AS 202	Basic Swine Science		2	F(I)/S(I)	
AS 218	Survey of Animal Nutrition	p. AS 101, 102, or DS 130	3	S	
AS 241-241L	Intro to Meat Science		3	F/S	
AS 264	Ruminant Livestock Production		3	F/SU(I)	
AS 285-285L	Livestock Evaluation and Marketing	p. AS 101	3	F/S	
DS 130-130L	Intro to Dairy Science and Lab		3	F/S	
DS 231	Dairy Foods		3	S	
EES 275	Intro to Environmental Science		3	S	
FS 101	Intro to Food Science		3	S	
FS 251	Food Safety and Quality Management Systems		3	F	
HO 105	Insects and Society		3	F	
HO 111-111L	Intro to Horticulture and Lab		3	F	
NRM 110	People and the Environment		3	F/S	
NRM 221	Intro to Conservation Planning and Management		3	S odd	
PRAG 203-203L	Intro to Precision Agriculture and Lab		3	F/S	
PS 103-103L	Crop Production and Lab		3	F/S	
PS 213-213L	Soils and Lab	p. CHEM 106/L or CHEM 112/L	3	F/S	
PS 313	Forage Crop and Pasture Management	p. BIOL 101 or 151	3	F	
PS 308-308L	Grain Grading and Lab	p. PS 103/L	2	S	
PS 403-403L	Seed Technology	p. PS 103/L or HO 111/L	3	F	
RANG 205-205L	Intro to Range Management and Lab		3	S	
RANG 215	Into to Integrated Ranch Management	Cross Listed: AS 215	3	S	
VET 183	Veterinary Medical Terminology		1	F(I)/S(I)	
WL 220	Intro to Wildlife and Fish Management	Select non-majors section (S02)	3	S	

South Dakota State University

Associate of Science **Online**

Major: Agricultural Science (2 year)

2026-2027 Sample Graduation Plan

Total Degree Requirements: 60 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 two years. For official program requirements, please refer to the Undergraduate Catalog.

FIRST YEAR

Summer

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
Agriculture Elective	Select prefixes from: AFES, AGEC, AGED, AS, AST, DS, EES, FS, HO, NRM, PRAG, PS, RANG, VET, and WL		3		
Agriculture Elective	Select prefixes from: AFES, AGEC, AGED, AS, AST, DS, EES, FS, HO, NRM, PRAG, PS, RANG, VET, and WL		3		
		Total Credit Hours	6		

Fall

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
AFES 119	First Year Seminar	Any 119 course allowed through substitution. ACS 119 available online.	2	F	
SGR #1	Written Communication (SGR #1)	ENGL 101; p. Placement	3		
SGR #3	Social Sciences (SGR #3) – Civics Requirement	Select from CIV 100, HIST 151, HIST 152, POLS 100, or POLS 210	3		
SGR #6	Natural Sciences (SGR #6)	BIOL 101/L recommended	3		
Elective			1		
		Total Credit Hours	12		

Spring

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
SGR #2	Oral Communication (SGR #2)	Select from CMST 101, 215, or 222	3		
SGR #3, #4, or #6	Select an additional three credits from the SGR #3, #4, or #6		3		
SGR #4	Arts and Humanities (SGR #4)		3		
SGR #5	Mathematics (SGR #5)	p. Placement	3		
		Total Credit Hours	12		

SECOND YEAR

Summer

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
Agriculture Elective	Select prefixes from: AFES, AGEC, AGED, AS, AST, DS, EES, FS, HO, NRM, PRAG, PS, RANG, VET, and WL		3		
Agriculture Elective	Select prefixes from: AFES, AGEC, AGED, AS, AST, DS, EES, FS, HO, NRM, PRAG, PS, RANG, VET, and WL		3		
		Total Credit Hours	6		

Fall

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
Agriculture Elective	Select prefixes from: AFES, AGEC, AGED, AS, AST, DS, EES, FS, HO, NRM, PRAG, PS, RANG, VET, and WL		3		
SGR #1	Written Communication: ENGL 201, 277, 283, or 284	p. ENGL 101	3		
Electives			6		
		Total Credit Hours	12		

Spring

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
Agriculture Elective	Select prefixes from: AFES, AGEC, AGED, AS, AST, DS, EES, FS, HO, NRM, PRAG, PS, RANG, VET, and WL		1-3		
Electives			9-11		

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

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
		Total Credit Hours	12		

COMMON AGRICULTURAL ELECTIVES AVAILABLE ONLINE

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
AGEC 271	Farm and Ranch Management		3	F/SU	
AGEC 352	Agricultural Law		3	F/S	
AGEC 354	Agricultural Marketing and Prices	p. ECON 201 or 202	3	F/SU	
AGEC 364	Intro to Cooperatives		3	S	
AGEC 366	Food Law		3	S (Odd)	
AGEC 371	Agricultural Business Management		3	S/SU	
AGEC 462	Environmental Law		3	S (Even)	
AGEC 473-473L	Rural Real Estate Appraisal and Lab	p. Junior/Senior status	3	S (Even)	
AFES 203	Global Food Systems		3	F	
AFES 263	History of US and World Agriculture		3	S	
AS 102	Fundamentals of Animal Science		3	SU	
AS 264	Ruminant Livestock Production		3	SU	
AS 389	Current Issues in Animal Science		3	SU	
AS 492	Special Topics: Beef Cattle Breeding		3	SU	
NRM 110	People and the Environment		3	F/S	
RANG 421	Grassland Fire Ecology		3	S (Even)	
VET 183	Veterinary Medical Terminology		1	F/S	

ONLINE SWINE SCIENCE COURSES AVAILABLE THROUGH SDSU AND THE INNOVATIVE DIGITAL EDUCATION ALLIANCE (IDEA) CONSORTIUM

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
AS 202	Basic Swine Science	IDEA	2	F/S	
AS 301	Advanced Swine Science	p. AS 202; IDEA	2		
AS 302	Swine Environment Management	IDEA	1	F	
AS 303	Swine Feed Mill Management	IDEA	1	F	
AS 304	Swine Manure and Nutrient Management	IDEA	1	S	
AS 305	Swine Nutrition	SDSU & IDEA sections	1	F	
AS 306	Swine Breeding and Gestation Management	IDEA	1	S	
AS 307	Swine Farrowing Management	IDEA	1	S/SU	
AS 308	Swine Nursery and Finishing Management	IDEA	1	S	
AS 310	Employee Management for the Swine Industry	IDEA	1	F	
AS 311	Marketing and Risk Management in the Swine Industry	IDEA	1	S	
AS 312	Pork Product Quality and Safety	IDEA	1		
AS 313	Swine Health and Biosecurity	IDEA	1	S	
AS 315	Contemporary Issues in the Swine Industry	IDEA	1		

South Dakota State University

Associate of Science
Major: Agricultural Science (2 year)

Capital City Campus, **Pierre, SD**
West River Research and Extension Center, **Rapid City, SD**

2026-2027 Sample Graduation Plan

Total Degree Requirements: 60 credits

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

Advisor _____ **Minimum GPA** 2.0 **Minor/Career Interest(s)** _____

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FIRST YEAR

Fall

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
ACS 119 online	First Year Seminar (Substitute for ABS 119)		2	F	
Agriculture Elective	AS 264 Ruminant Livestock Production	MWF @ 11:00-11:50 am	3	F	
Agriculture Elective	AST 273 Agricultural Computations or AGEC 371 Ag Business Management	MW @ 8:00-9:15 am MWF @ 9:00-9:50 am	3		
SGR #1	Written Communication (SGR #1)	ENGL 101; p. Placement	3		
Elective		VET 183, CA 110, CA 111, or PE 100	1		
		Total Credit Hours	12		

Spring

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
Agriculture Elective	RANG 215 Intro to Integrated Ranch Management	T/Th @ 11:00-12:15 pm	3	S	
Agriculture Elective	AGEC 271 Farm & Ranch Management, or AS 218 Survey of Animal Nutrition	MWF @ 12:00-12:50 pm, or MWF @ 9:00-9:50 am; p. AS 102	3		
SGR #2	Oral Communication (SGR #2)	Select from CMST 101, 215, or 222	3		
SGR #3	Social Sciences (SGR #3) – Civics Requirement	Select from CIV 100, HIST 151, HIST 152, POLS 100, or POLS 210	3		
		Total Credit Hours	12		

Summer

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
Agriculture Elective	Select prefixes from: AFES, AGEC, AGED, AS, AST, DS, EES, FS, HO, NRM, PRAG, PS, RANG, VET, and WL		3		
Agriculture Elective	Select prefixes from: AFES, AGEC, AGED, AS, AST, DS, EES, FS, HO, NRM, PRAG, PS, RANG, VET, and WL		3		
		Total Credit Hours	6		

SECOND YEAR

Fall

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
SGR #4	Arts and Humanities (SGR #4)		3		
SGR #5	Mathematics (SGR #5)	p. Placement	3		
SGR #6	Natural Sciences (SGR #6)		3		
Electives			3		
		Total Credit Hours	12		

Spring

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
SGR #1	Written Communication: ENGL 201, 277, 283, or 284	p. ENGL 101	3		
SGR #3, #4, or #6	Select an additional three credits from the SGR #3, #4, or #6		3		
Electives			6		
		Total Credit Hours	12		

Summer

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
Electives			6		

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Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
		Total Credit Hours	6		

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Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
AGEC 271	Farm and Ranch Management		3	F/SU	
AGEC 352	Agricultural Law		3	F/S	
AGEC 354	Agricultural Marketing and Prices	p. ECON 201 or 202	3	F/SU	
AGEC 364	Intro to Cooperatives		3	S	
AGEC 366	Food Law		3	S (Odd)	
AGEC 371	Agricultural Business Management		3	S/SU	
AGEC 462	Environmental Law		3	S (Even)	
AGEC 473-473L	Rural Real Estate Appraisal and Lab	p. Junior/Senior status	3	S (Even)	
AFES 203	Global Food Systems		3	F	
AFES 263	History of US and World Agriculture		3	S	
AS 102	Fundamentals of Animal Science		3	SU	
AS 264	Ruminant Livestock Production		3	SU	
AS 389	Current Issues in Animal Science		3	SU	
AS 492	Special Topics: Beef Cattle Breeding		3	SU	
NRM 110	People and the Environment		3	F/S	
RANG 421	Grassland Fire Ecology		3	S (Even)	
VET 183	Veterinary Medical Terminology		1	F/S	

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Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
AS 202	Basic Swine Science	IDEA	2	F/S	
AS 301	Advanced Swine Science	p. AS 202; IDEA	2		
AS 302	Swine Environment Management	IDEA	1	F/S	
AS 303	Swine Feed Mill Management	IDEA	1	F	
AS 304	Swine Manure and Nutrient Management	IDEA	1	S	
AS 305	Swine Nutrition	SDSU & IDEA sections	1	F	
AS 306	Swine Breeding and Gestation Management	IDEA	1	S	
AS 307	Swine Farrowing Management	IDEA	1	S/SU	
AS 308	Swine Nursery and Finishing Management	IDEA	1	S	
AS 310	Employee Management for the Swine Industry	IDEA	1	F	
AS 311	Marketing and Risk Management in the Swine Industry	IDEA	1	S	
AS 312	Pork Product Quality and Safety	IDEA	1		
AS 313	Swine Health and Biosecurity	IDEA	1	S	
AS 315	Contemporary Issues in the Swine Industry	IDEA	1		