

BUSINESS AREA OF INTEREST

2024-2025 FOUR-YEAR PLAN

This document is an **example** schedule for planning purposes only and is meant to be a guide for students and advisors. 120 credits total needed to complete degree. For official degree information, refer to Degree Audit and speak with your advisor.

YEAR 1 • FALL	ANSC 1001 Introduction to Animal Science	3	YEAR 1 • SPRING	ANSC 1111 Principles of Animal Nutrition and Feeding	3
	BIOL 1107 Principles of Biology I	4		BIOL 1108 Principles of Biology II	4
	ENGL 1007 or 1010 Information Literacy	4		STAT 1100Q Elementary Concepts of Statistics	4
	UNIV 1810 Animal Science Learning Community	1		GEN ED/MATH/STAT	3-4
	ECON 1201 Principles of Microeconomics	3		ECON 1202 Principles of Macroeconomics	3
	TOTAL CREDITS	15		TOTAL CREDITS	17-18
YEAR 2 • FALL	PATH 2100 Anatomy and Physiology of Animals	4	YEAR 2 • SPRING	ANSC 3122 Reproductive Physiology	4
	ANSC 3121 Principles of Animal Genetics	3		ANSC 3194 Seminar	1
	MATH 1071Q Mathematics for Business and Economics	3		CHEM/ANSC ELECTIVE (Group B)	3-4
	GEN ED/ANSC ELECTIVE (Group B)	3-4		CHEM/ANSC ELECTIVE (Group B)	3-4
	ARE 1150 Principles of Applied and Resource Economics	3		ARE 2215** Business Management	3
	TOTAL CREDITS	16-17		TOTAL CREDITS	14-16
YEAR 3 • FALL	ANSC ELECTIVE (Group B/C)	3-4	YEAR 3 • SPRING	ANSC ELECTIVE (Group B/C)	3-4
	ANSC ELECTIVE (Group B/C)	3-4		ANSC ELECTIVE (Group B/C)	3-4
	CHEM	3-4		CHEM	3-4
	ARE 3225** Price Analysis and Futures Trading	3		ARE 2260** Food Policy	3
	ARE 3221** Managerial Economics & Business Strategies	3		GEN ED COURSE	3
	TOTAL CREDITS	15-18		TOTAL CREDITS	15-18
YEAR 4 • FALL	ANSC W* or ELECTIVE	1-3	YEAR 4 • SPRING	ANSC W* or ELECTIVE	1-3
	ANSC ELECTIVE (Group B/C)	3-4		ANSC ELECTIVE (Group B/C)	3-4
	ANSC ELECTIVE (Group B/C)	3-4		ANSC ELECTIVE (Group B/C)	3-4
	ARE 2210** Essentials for Accounting and Business	3		ANSC 3452** or ANSC 4662W**	3
	2000-LEVEL RELATED or ELECTIVE	3		MGMT 3101 or MKTG 3101	3
	MGMT 3101 or MKTG 3101	3		ELECTIVE	3
	TOTAL CREDITS	16-20		TOTAL CREDITS	16-20

*W course must be taken with the corresponding C course

**Business Management & Marketing Minor Requirement

Animal Science degree requirements are organized into five groups, Group A-1, A-2, A-3, B, and C.

- All courses in Group A-1 must be completed.
- Options exist for Group A-2 (General and Organic Chemistry depending on the student's interest area).
- One course from each of Group A-3, Group B, and Group C must be completed.
- Additionally, one course from either Group B or Group C must be completed.
- A single class cannot be used to satisfy more than one degree requirement.

Course Titles, Credits, and Semester Offered

	Course	Title	Credits	Offered	Prerequisites
GROUP A-1	ANSC 1001	Introduction to Animal Science	3	Fall	
	ANSC 1111	Principles of Animal Nutrition and Feeding	3	Spring	
	ANSC 3121	Principles of Animal Genetics	3	Fall	BIOL 1108
	ANSC 3122	Reproductive Physiology	4	Spring	
	ANSC 3194	Seminar	1	Spring	
	BIOL 1107	Principles of Biology I	4	Fall, Spring	
	BIOL 1108	Principles of Biology II	4	Fall, Spring	
	PATH 2100	Anatomy and Physiology of Animals	4	Fall	BIOL 1107 or Eq.
GROUP A-2	CHEM 1122	Chemical Principles and Applications	4	Fall, Spring	
	CHEM 1124Q	Fundamentals of General Chemistry I	4	Fall, Spring	MATH 1011Q or Eq.
	CHEM 1125Q	Fundamentals of General Chemistry II	3	Fall, Spring	CHEM 1124Q
	CHEM 1127Q	General Chemistry I	4	Fall, Spring	
	CHEM 2241	Organic Chemistry	3	Fall, Spring	CHEM 1122, 1124Q, 1127Q, 1137Q, or 1147Q
GROUP A-3	CHEM 2443	Organic Chemistry	3	Fall, Spring	CHEM 1128Q, 1138Q, 1148Q, or 1126Q
	MCB 2000	Introduction to Biochemistry	4	Fall, Spring	CHEM 2241 or 2444
	MCB 2610	Fundamentals of Microbiology	4	Fall, Spring	CHEM 2241 or 2443
GROUP B	ANSC 4341	Food Microbiology and Safety	3	Spring	BIOL 1107
	ANSC 2251	Horse Science	3	Fall, Spring	
	ANSC 2271	Principles of Poultry Science	3	Spring	
	ANSC 3261	Dairy Cattle Management	3	Fall	
	ANSC 3272	Laboratory Animal Science	3	Fall, Spring	BIOL 1108 or Eq.
GROUP C	ANSC 3273	Livestock Management	4	Fall	
	ANSC 3311	Comparative Exercise Physiology	3	Spring	PATH 2100 or PNB 2265 or 2275
	ANSC 3313	Growth Biology & Metabolism in Domestic Livestock	3	Fall	PATH 2100
	ANSC 3316	Endocrinology of Farm Animals	3	Spring	PATH 2100 or Eq.
	ANSC 3323	Animal Embryology and Biotechnology	3	Fall	ANSC 3122 or MCB 4219
	ANSC 3343	Animal Food Products	3	Fall	
	ANSC 3641	Animal Food Products: Dairy Technology	3	Spring	
	ANSC 4311	Advanced Animal Nutrition	3	Fall	ANSC 1111

If you are interested in Business, recommended courses are*:

Course	Title	Credits	Group	Offered	Prerequisites
ACCT 2001	Principles of Financial Accounting	3		Fall, Spring	
ARE 1150	Principles of Applied and Resource Economics	3		Fall, Spring	
ARE 2215	Business Management	3		Fall, Spring	
ARE 2260	Food Policy	3		Spring	
ARE 3221	Managerial Economics & Business Strategies	3		Fall	ARE 1150, ECON 1200 or ECON 1201
ARE 3225	Price Analysis and Futures Trading	3		Fall	ARE 1150, ECON 1200 or ECON 1201; STAT 1000Q, 1100Q or Eq.
ARE 4217	Business Finance & Investment Management	3		Fall	ARE 1150, ECON 1200 or ECON 1201
ARE 4275	Managerial Economics	3		Fall	
BLAW 3175	Legal and Ethical Environment of Business	3		Fall	
BLAW 3671	Contract and Property Law	3		Spring	
COMM 1100	Principles of Public Speaking	3		Fall, Spring	
ECON 1201	Principles of Microeconomics	3		Fall, Spring	
ECON 1202	Principles of Macroeconomics	3		Fall, Spring	
MATH 1070Q	Mathematics for Business and Economics	3		Fall, Spring	
MATH 1071Q	Calculus for Business and Economics	3		Fall, Spring	
MGMT 3101	Managerial and Interpersonal Behavior	3		Fall, Spring	
MKTG 3101	Introduction to Marketing Management	3		Fall, Spring	
STAT 1100Q	Elementary Concepts of Statistics	4		Fall, Spring	