



**Bachelor of Science**

**Major: Dairy Production**

**2023-2024 Sample 4-Year Plan**

**Total Degree Requirements: 120 credits**

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

Advisor \_\_\_\_\_ Minimum GPA \_\_\_\_\_ 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
CHEM 106-106L or CHEM 112-112L	Chemistry Survey and Lab or General Chemistry I and Lab (SGR #6)	p. MATH placement p. MATH 114 or higher	3,1	F/S F/S	
DS 119	First Year Seminar – Dairy and Food Science		2	F	
DS 130-130L	Introduction to Dairy Science and Lab		2,1	F/S	
MATH 114 or MATH 115	College Algebra (3 cr) (SGR #5) or Precalculus (5 cr) (SGR #5)	p. Placement p. MATH 114 or placement	3-5		
SGR #2 or SGR #1	Oral Communication (SGR #2) or Written Communication (SGR #1)	p. Placement	3		
<b>Total Credit Hours</b>			15 – 17		

**Spring**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
CHEM 108-108L	Organic and Biochemistry and Lab	p. CHEM 106; CHEM 112 also allowed	4,1	F(I)/S	
PS 103-103L	Crop Production and Lab		2,1	F/S	
SGR #1 or SGR #2	Written Communication (SGR #1) or Oral Communication (SGR #2)	p. Placement	3		
SGR #3	Social Science/Diversity (SGR #3)	Non ECON	3		
SGR #4	Arts and Humanities/Diversity (SGR #4)		3		
<b>Total Credit Hours</b>			17		

**Second Year**

**Fall**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
AS 219	Principles of Animal Nutrition	p. AS 101 or DS 130	3	F	
BIOL 101-101L or BIOL 151-151L	Biology Survey I and Lab (3 cr) (SGR #6) or General Biology I and Lab (4 cr) (SGR #6)	BIOL 151/L preferred	2,1 4,0	F/S(I) F/S(I)	
DS 202	Dairy Products Judging		1	F	
DS 311	Dairy Cattle Judging		2	F	
ECON 201 or ECON 202	Principles of Microeconomics (SGR #3) or Principles of Macroeconomics (SGR #3)		3	F/S F/S	
SGR #1	Written Communication (SGR #1)	p. ENGL 101	3		
<b>Total Credit Hours</b>			15 - 16		

**Spring**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
AS 319-319L	Livestock Feeds and Feeding and Lab	p. AS 219	2,1	F/S	
BIOL 103-103L or BIOL 153-153L	Biology Survey II and Lab (3cr) or General Biology II and Lab (4cr)	BIOL 153/L preferred	2,1 4,0	F(I)/S F(I)/S	
MICR 231-231L	General Microbiology and Lab	p. CHEM 106/L or CHEM 112/L	4,0	F/S	
PHYS 101-101L or PHYS 111-111L	Survey of Physics and Lab or Introduction to Physics I and Lab	p. MATH 114 or higher	3,1 3,1	F/S F	
<b>Total Credit Hours</b>			14 - 15		



**Third Year**

**Fall**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
AGEC 271	Farm and Ranch Management	p. MATH 103 or higher	3	F/S/SU	
BIOL 371 or AS 332	Genetics (3 cr) or Livestock Breeding and Genetics (4 cr)	p. BIOL 101/L or 151/L p. AS 101 or DS 130 or AS 102 and BIOL 101/L or BIOL 151/L	3 - 4	F/S F/S	
DS 480-480L	Dairy Farm Operations I and Lab	p. AS 219, DS 130/L and ECON 201 or ECON 202; Junior Standing	3,1	F odd	
SGR #4	Arts and Humanities/Diversity (SGR #4)		3		
<b>Total Credit Hours</b>			13-14		

**Spring**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
DS 481-481L	Dairy Farm Operations II and Lab	p. DS 130, DS 480, and ECON 201 or 202	3,1	S even	
VET 223-223L	Anatomy and Physiology of Domestic Animals and Lab	p. CHEM 108 or CHEM 326	3,1	S	
General Elective	Select from any discipline		3		
General Elective	Select from any discipline		3		
<b>Total Credit Hours</b>			14		

**Summer**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
DS 494	Internship	Summer after 2 <sup>nd</sup> or 3 <sup>rd</sup> year	3	SU	
<b>Total Credit Hours</b>			3		

**Fourth Year**

**Fall**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
AS 333-333L	Livestock Reproduction and Lab	p. VET 223/L	2,1	F	
DS 413-413L	Physiology of Lactation and Lab		3,1	F even	
DS 490	Seminar	p. Senior Standing	1	F	
PS 213-213L or PS 313	Soils and Lab or Forage Crop and Pasture Management	p. CHEM 106/L or CHEM 112/L p. BIOL 101 or BIOL 151	2,1 3	F/S F	
General Elective	Select from any discipline	Take as needed to reach 120 total credits	1-4		
<b>Total Credit Hours</b>			12 - 15		

**Spring**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
AS/AST 463	Agricultural Waste Management	p. PS 213/L or PS 313	3	S	
DS 301-301L	Dairy Microbiology and Lab	p. MICR 231/L or MICR 233/L	2,2	S odd	
DS 312-312L	Dairy Cattle Breeding and Evaluation and Lab		2,2	S odd	
VET 403	Animal Diseases and Their Control	Sophomore standing	3	F/S	
<b>Total Credit Hours</b>			14		

**Comments/Notes**

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

General Elective course credits dependent upon which of the options (either 3 or 4 credits) are taken in relation to the Biology and Genetics courses.