

California State University, Fresno  
 Department of Animal Sciences and Agricultural Education  
 Program Planning Guide

B.S. Degree in Animal Science - Production Management Option  
 Dairy Science Management  
 2021/22 to current Catalog Years  
 Revised: August 2022

**Fall Semester**

**Spring Semester**

<u>Course</u>	<u>Units</u>	<u>Course</u>	<u>Units</u>
<b><u>Freshman Year</u></b>			
___ GE – A2 - Engl 5A & 5B or 10	3	___ GE – A3 - Critical Thinking - N Sci 4**	3
___ GE – B4 – Quant. Reas. – Math 11**	3	___ GE – D1 - History 11 or 12	3
___ GE – A1- Comm 3, 7 or 8	3	___ GE – C1 - Arts	3
___ A Sci 1 (grade of C or better)	3	___ GE – E1 - A Sci 67**	3
___ A Sci 12, 21, 31, 41, 51 or 91	<u>3</u>	___ A Sci 61	<u>3</u>
	15		15

**Note:**  
 Complete your My Degree Plan

**Note:**  
 Complete all Foundation GE courses  
 (A1, A2, A3 & B4) with a grade of C or better  
 Complete A Sci 1 with a grade of C or better  
 Complete 2<sup>nd</sup> semester freshman advising requirement

**Sophomore Year**

___ A Sci 35	3	___ A Sci 71	3
___ GE – F – Ethnic Studies	3	___ GE – B1 - Chem 3A*	4
___ GE – B2 - Biol 10* or 12*	3	___ GE – Additional C1** or C2	3
___ GE – C2 - Humanities	3	___ GE – D2 - Ag Bs 1* or Econ 40*	3
___ Option Additional Requirement***	<u>3</u>	___ Option Additional Requirement***	<u>3</u>
	15		16

**Note:**  
 Start developing professional resume  
 Attend career fairs and seek internship/industry  
 experience opportunities

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 Attend career fairs and seek internship/industry  
 experience opportunities  
**Complete 8 lower division GE assignments + 2 reflections**

**Fall Semester****Spring Semester**

<b><u>Course</u></b>	<b><u>Units</u></b>	<b><u>Course</u></b>	<b><u>Units</u></b>
<b><u>Junior Year</u></b>			
___ A Sci 125	3	___ GE – IC	3
___ A Sci 161	3	___ A Sci 101 or Ascii 102	3
___ Biol 20	4	___ A Sci 145	4
___ A Sci 135	3	___ A Sci 146 or 163	3
___ PLSI 2 Graduation Req.	<u>3</u>	___ A Sci 164	<u>2</u>
	16		15

**Note:**

Complete Mandatory Advising Requirement  
Attend career fairs and seek internship/industry  
experience opportunities

**Note:**

Attend career fairs and seek internship/industry  
experience opportunities  
Fulfill upper division writing requirement

**Senior Year**

___ If UDWE not passed consider Anth 116W (GE-ID)	3	___ GE – IB – Plant 105**	3
___ Option Additional Requirement***	3	___ A Sci 146 or 163	3
___ A Sci 155	3	___ A Sci 156	1
___ A Sci 175	3	___ A Sci 165	3
___ A Sci 180, 181, 182, 183, 190, or 194I	<u>3</u>	___ A Sci 186	1
	15	___ Electives	<u>2</u>
			13

**Note:**

Verify all graduation requirements will be met  
by end of spring semester

**Note:**

Apply for graduation (See university calendar  
for due date)  
Complete UD GE portfolio assignments + reflection

\* Major Requirement

\*\* Recommended Course

\*\*\* Option Additional Requirements - 9 units from the following list - Ag Bs 28 or BA 18, Ag Bs 31 or Acct 4A,  
Ag. Bs 71 or Plant 99, Ag Bs 117, Ag Bs 120, Chem 8, Chem 150, Plant 20, 121, 122, 71, 172 or 171, Agri  
100H, 101H, 110, 120, 130, 140

\*\*\*\*MI Graduation requirement waived