

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

**B.S. Degree in Animal Science - Production Management Option**  
**Livestock Business Management - Major Code 130391BS**  
 2014-2015 Catalog Years  
 Revised: June 2015

<u>Course</u>	<u>Fall Semester</u>	<u>Units</u>	<u>Course</u>	<u>Spring Semester</u>	<u>Units</u>
		<u>Freshman Year</u>			
___ GE – A2 - English 5A & 5B or 10		3	___ GE – A1 - Comm 3, 7 or 8		3
___ GE – B4 - DS 71 or Math 45, 75 or 75A		3	___ GE – D1 - History 11 or 12		3
___ GE – A3 - Critical Thinking - N Sci 4**		3	___ GE – C1 - Arts		3
___ GE – E1 - A Sci 67**		3	___ GE – D2 - Pol Sci 2		3
___ A Sci 1		<u>3</u>	___ A Sci 21, 31, 41, 51, 61 or 91		<u>3</u>
		15			15
 <b><u>Sophomore Year</u></b>  					
___ GE – D3 - Ag Bs 1*		3	___ GE – B1 - Chem 3A*		4
___ GE – C2 - Humanities		3	___ GE – Additional C1** or C2		3
___ GE – B2 - Biol 10* or 12*		3	___ A Sci 71		3
___ A Sci 11		3	___ A Sci 81		3
___ A Sci 21, 31, 41, 51, 61 or 91		<u>3</u>	___ A Sci 35		<u>3</u>
		15			16
 <b><u>Junior Year</u></b>  					
___ GE – IB - Plant 105**		3	___ Upper Division Writing Exam (UDWE)		
___ Biol 20 or 120		4	___ GE – IC		3
___ Option Additional Requirement***		3	___ A Sci 101		3
___ A Sci 125		3	___ A Sci 135		3
___ Option Additional Requirement***		<u>3</u>	___ A Sci 145		4
		16	___ A Sci 121, 131, 151, 161, 171 or 172		<u>3</u>
					16
 <b><u>Senior Year</u></b>  					
___ If UDWE not passed take Anth 105W (GE – MI) or Anth 116W (GE – ID)		3	___ GE – MI or ID		3
___ A Sci 155		3	___ A Sci 121, 131, 151, 161, 171 or 172		3
___ A Sci 165		3	___ A Sci 156		1
___ A Sci 180, 181, 182, 190, 194 or 196		5	___ A Sci 186		1
___ Option Additional Requirement***		<u>3</u>	___ Electives		<u>2</u>
		17			10

\* 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, Cr Sc 1, Cr Sc 102, Cr Sc 105, SW 2, SW 100, or SW 100N