

DASC: SPV

College of Agriculture & Life Sciences
BACHELOR OF SCIENCE IN DAIRY SCIENCE
Science/Prevet Option

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Checksheet for Students Graduating in Calendar Year 2021

Curriculum for Liberal Education and CALS Requirements [45 credits]:						
AAEC 1005, 1006	or	ECON 2005, 2006	Econ of Food & Fiber	or	Princ Econ	[3] [3]
BIOL 1105, 1106	or	1005, 1006	Principles Biology	or	Gen Biology	[3] [3]
BIOL 1115, 1116	or	1015, 1016	Principles Biology LAB	or	Gen Biology LAB	[1] [1]
select 2 courses (6 credits total)						
CHEM 1015, 1016	or		Intro Chemistry	or		[3] [3]
CHEM 1035, 1036 ¹			Gen Chemistry			
ENGL 1105, 1106	or	H1204	Freshman English	or	Honors English	[3] [3]
MATH 1014 or 1016 or 1025 ¹	&	STAT 2004	Pre Calculus or Calculus	&	Intro Statistics	[3] [3]
Ideas, Cultural Traditions, & Values [area 2]						[3] [3]
Creativity & Aesthetic Experience [area 6]						[1]
Critical Issues in a Global Context [area 7]						[3]
Writing course:						[3]
ALCE 3624 Communicating Agriculture in Writing						
or COMM 2024 Media Writing						
or ENGL 3764 Technical Writing						
or ENGL 3774 Business Writing						
(qualifying unlisted courses may be substituted) ³						

Departmental Requirements [24 credits]:		Fall	Spring
ALS 2304 ² (PRE: BIOL 1106)	Animal Physiology and Anatomy	[4]	
ALS 3104 ² (PRE: BIOL 1105, STAT 2004)	Animal Genetics and Breeding	[3]	
ALS 3204 ² (PRE: ALS 2304, CHEM 1016)	Animal Nutrition and Feeding		[3]
ALS 3304 ² , 3314 ² (PRE: ALS 2304)	Physiology of Reproduction & LAB	[2]	[1]
DASC 2474 ²	Dairy Science and Industry		[3]
DASC 2664 ²	Prof Discourse & Career Development	[1]	
DASC 3474 ² (PRE: DASC 2474)	Dairy Information Systems	[3]	
DASC 4374 ² (PRE: ALS 2304)	Lactation Physiology		[3]
DASC 4664 ^{2,3} (PRE: DASC 2664)	Translating Dairy Science	[1]	

TOTAL GENERAL REQUIREMENT CREDITS

69

ELIGIBILITY FOR CONTINUED ENROLLMENT

- After completion of 30 Virginia Tech semester credits
3 semester credits of DASC courses
- After completion of 36 semester credits⁴
12 semester credits in any area of the Curriculum for Liberal Education
- After completion of 72 semester credits⁴
24 semester credits in any area of the Curriculum for Liberal Education
6 semester credits of DASC courses; at least 9 semester credits of in-major courses
- After 96 semester credits
In-major GPA of at least 2.00, Overall GPA of at least 2.00

2.00 minimum overall and in-major GPAs are required for graduation.

- Pre:requisites: Math 1016 or 1025 pre requisite for PHYS 2205; CHEM 1036 pre requisite for CHEM 2535
- "in major" GPA courses indicated
- Intensive writing course to meet departmental VIEWS requirement indicated
- Includes credits completed at Virginia Tech, transfer credits, advanced placement and standing, credit by exam, and course withdrawal

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Dairy electives [12 credits minimum]			
		Fall	Spring
DASC 1464 ²	Dairy Cattle Handling	[1]	
DASC 1574 ²	Dairy Science First Year Experience	[1]	
DASC 2204 ²	Entrepreneurship in Animal Agriculture	[3]	
DASC 2484 ²	Dairy Cattle Evaluation		[2]
DASC 3134	Animal Agriculture and the Environment		[3]
DASC 3274 ² (PRE: ALS 3204)	Applied Dairy Cattle Nutrition	[3]	
DASC 4174 ² (PRE: ALS 3104)	Applied Dairy Cattle Genetics		[3]
DASC 4274 ² (PRE: ALS 3204, PRE or CO: DASC 3274)	Dairy Ration Formulation	[1]	
DASC 4304 ² (PRE or CO: ALS 3304)	Bovine Reproduction Practices	[2]	
DASC 4384 ²	Mammary Immunology (taught in even years)		[3]
DASC 4474 ² (PRE: DASC 3474, CO: DASC 4475)	Advanced Dairy Management Evaluation		[2]
DASC 4475 ² (PRE: DASC 2474)	Dairy Enterprise Management I		[3]
DASC 4476 ² (PRE: DASC 3474 and DASC 4475)	Dairy Enterprise Management II	[3]	
DASC 4994 ²	Undergraduate research (maximum of 3 credits)	[]	

Option Science / Pre-Vet Requirements [25 credits minimum]:			
Take all of the following			
CHEM 1045, 1046 [area 4]	Gen Chem LAB	[1]	[1]
HNFE 2204	Medical Terminology	[3]	
BIOL 2604, 2614 (PRE: BIOL 1106, CHEM 1036)	Gen Microbiology & LAB	[3]	[2]
Select at least 15 credits			
BCHM 2024	Concepts of Biochemistry	[3]	
BCHM 3114	Biochemistry for Biotechnology and Life Sciences	[3]	
BCHM 4784	Apps Molecular Life Sciences	[3]	
BIOL 2134	Cell Function and Differentiation	[3]	
BIOL 3774	Molecular Biology	[3]	
CHEM 2114, 2124	Analytical Chemistry and LAB	[3]	[1]
CHEM 2535, 2536 (PRE: CHEM 1036)	Organic Chemistry	[3]	[3]
CHEM 2545, 2546	Organic Chemistry LABS	[1]	[1]
PHYS 2205, 2206 (PRE: MATH 1025)	General Physics	[3]	[3]
PHYS 2215, 2216	General Physics LABS	[1]	[1]

Minimum Total Option Credits 37

Free Electives [Number needed to complete 120 credits]:			
		[]	[]
		[]	[]

MINIMUM DASC CREDITS REQUIRED FOR GRADUATION 23
TOTAL CREDITS REQUIRED FOR GRADUATION 120

Student must have completed 2 years of High School Foreign Language OR 6 credits of University Foreign Language. Credits do not count towards graduation requirements.

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- 1 Includes credits completed at Virginia Tech, transfer credits, advanced placement and standing, credit by exam, and course withdrawal
 - 2 "in major" GPA courses indicated
 - 3 Intensive writing course to meet departmental ViEWS requirement indicated