

DASC: DUAL

College of Agriculture & Life Sciences  
BACHELOR OF SCIENCE IN DAIRY SCIENCE  
Dual Emphasis Option

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Checksheet for Students Graduating in Calendar Year 2016 (revised October 2012)

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 CHEM 1035, 1036			Intro Chemistry Gen Chemistry		[3]	[3]	
ENGL 1105, 1106	or	H1204	Freshman English	or	Honors English	[3]	[3]
MATH 1015 or 1016 or 1205 & 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: AEE 3624 Communicating Agriculture in Writing or COMM 2024 Media Writing or ENGL 3534 Literature and Ecology or ENGL 3764 Technical Writing or ENGL 3774 Business Writing (qualifying unlisted courses may be substituted) <sup>3</sup>					[3]		

Departmental Requirements [28 credits]:			
		Fall	Spring
ALS 2304 <sup>2</sup> (PRE: BIOL 1106)	Animal Physiology and Anatomy	[4]	
ALS 3104 <sup>2</sup> (PRE: BIOL 1105, STAT 2004)	Animal Genetics and Breeding	[3]	
ALS 3204 <sup>2</sup> (PRE: ALS 2304, CHEM 1016)	Animal Nutrition and Feeding		[3]
ALS 3304 <sup>2</sup> (PRE: ALS 2304)	Physiology of Reproduction	[3]	
BIOL 2604, 2614 (PRE: BIOL 1106, CHEM 1016)	Gen Microbiology & LAB	[3]	[1]
DASC 2474 <sup>2</sup>	Dairy Science and Industry		[2]
DASC 3474 <sup>2</sup> (PRE: DASC 2474)	Dairy Information Systems	[3]	
DASC 4074 <sup>2,3</sup>	Professional Development	[3]	
DASC 4374 <sup>2</sup> (PRE: ALS 2304)	Lactation Physiology		[3]

**TOTAL GENERAL REQUIREMENT CREDITS**

**73**

**ELIGIBILITY FOR CONTINUED ENROLLMENT**

- After completion of 30 Virginia Tech semester credits  
3 semester credits of DASC courses
- After completion of 36 semester credits<sup>1</sup>  
12 semester credits in any area of the Curriculum for Liberal Education
- After completion of 72 semester credits<sup>1</sup>  
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.**

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

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Option Requirements [minimum 9 credits]			
		Fall	Spring
DASC 1574 <sup>2</sup>	Introduction to Dairy Science	[1]	
DASC 2484 <sup>2</sup>	Dairy Cattle Evaluation		[2]
DASC/APSC 3134 <sup>2,4</sup>	Animal Agriculture and the Environment		[3]
DASC 3274 <sup>2</sup>	Applied Dairy Cattle Nutrition	[3]	
DASC 4174 <sup>2</sup>	Applied Dairy Cattle Genetics		[3]
DASC 4304 <sup>2</sup>	Bovine Reproduction Practices	[2]	
DASC 4384 <sup>2</sup>	Mammary Immunology (taught in even years)		[3]
DASC 4475 <sup>2</sup> , 4476 <sup>2</sup>	Dairy Enterprise Management I & II	[3]	[3]

Option Minor Requirement [18 credits minimum]:			
Must complete formal Minor or Double Major course requirements in any department <u>including at least 18 credits</u> from that department.			
		[ ]	[ ]
		[ ]	[ ]
		[ ]	[ ]
		[ ]	[ ]
		[ ]	[ ]
		[ ]	[ ]

Option Restricted Electives [8 credits minimum]			
Any AAEC, ACIS, ALS, APSC, BCHM, BIOL, BSE, CHEM, COMM, CS, CSES, DASC, ECON, ENT, FIN, FIW, FOR, FST, HORT, MATH, MGT, MKTG, PHYS, SPAN, STAT, and VMS courses (with advisor approval).			
ALS 2504 <sup>2</sup> Animals and Society		[3]	[ ]
		[ ]	[ ]
		[ ]	[ ]
		[ ]	[ ]
		[ ]	[ ]
		[ ]	[ ]
		[ ]	[ ]

**Minimum Total Option Credits 35**

Free Electives [12 credits]:			
		[ ]	[ ]
		[ ]	[ ]
		[ ]	[ ]

**MINIMUM DASC CREDITS REQUIRED FOR GRADUATION 20**  
**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.*

- 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
- 4 DASC/APSC 3134 can be used to meet Option requirements or Option Minor requirements but not both.