

Checksheet for Students Graduating in Calendar Year **2017** (revised March 2015)

<b>Curriculum for Liberal Education and CALS Requirements [45 credits]:</b>					
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]
<b>select 2 courses (6 credits total)</b>					
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 1014 or 1016 or 1025 & 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]	

<b>Departmental Requirements [29 credits]:</b>			
		<i>Fall</i>	<i>Spring</i>
ALS 2304 <sup>2</sup> (PRE: BIOL1106)	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		[3]
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**

**74**

**ELIGIBILITY FOR CONTINUED ENROLLMENT**

1. After completion of 30 Virginia Tech semester credits: 3 semester credits of DASC courses
2. After completion of 36 semester credits<sup>1</sup>: 12 semester credits in any area of the Curriculum for Liberal Education
3. 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
4. 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.**

- 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

*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.*

DASC: DUAL

College of Agriculture & Life Sciences  
**BACHELOR OF SCIENCE IN DAIRY SCIENCE**

**Dual Emphasis Option**

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<b>Dairy electives [Choose minimum 9 credits]</b>			
		<b>Fall</b>	<b>Spring</b>
DASC 1574 <sup>2</sup>	Dairy Science First Year Experience	[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> (PRE: ALS 3204)	Applied Dairy Cattle Nutrition	[3]	
DASC 4174 <sup>2</sup> (PRE: ALS 3104)	Applied Dairy Cattle Genetics		[3]
DASC/APSC 4304 <sup>2</sup> (PRE or CO: ALS 3304)	Bovine Reproduction Practices	[2]	
DASC 4384 <sup>2</sup>	Mammary Immunology (taught in even years)		[3]
DASC 4475 <sup>2</sup> (PRE: DASC 2474)	Dairy Enterprise Management I		[3]
DASC 4476 <sup>2</sup> (PRE: DASC 3474 and DASC 4475)	Dairy Enterprise Management II	[3]	
DASC 4974 or 4994 <sup>2</sup>	Independent study or Undergraduate research (maximum of 3 credits)	[ ]	[ ]

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

<b>Option Restricted Electives [8 credits minimum]</b>			
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).			
	[ ]	[ ]	
	[ ]	[ ]	
	[ ]	[ ]	
	[ ]	[ ]	
	[ ]	[ ]	
	[ ]	[ ]	

**Minimum Total Option Credits** **35**

<b>Free Electives [12 credits]:</b>			
	[ ]	[ ]	
	[ ]	[ ]	
	[ ]	[ ]	

**MINIMUM DASC CREDITS REQUIRED FOR GRADUATION 21**  
**TOTAL CREDITS REQUIRED FOR GRADUATION 120**

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