

Checksheet for Students Graduating in Calendar Year **2012** (revised August 2008)

Curriculum for Liberal Education and CALS Requirements [47 credits]:							
AAEC 1005, 1006 [area 3]	or	ECON 2005,2006	Econ of Food & Fiber	or	Princ Econ	[3]	[3]
BIOL 1105, 1106 [area 4]	or	1005, 1006	Principles Biology	or	Gen Biology	[3]	[3]
BIOL 1115, 1116 [area 4]	or	1015, 1016	Principles Biology LAB	or	Gen Biology LAB	[1]	[1]
CHEM 1015, 1016 [area 4]	or	1035, 1036	Intro Chemistry	or	Gen Chemistry	[3]	[3]
CHEM 1025, 1026 [area 4]	or	1045, 1046	Intro Chemistry LAB	or	Gen Chem LAB	[1]	[1]
ENGL 1105, 1106 [area 1]	or	H1204	Freshman English	or	Honors English	[3]	[3]
MATH 1016 [area 5]	&	STAT 2004	Elem Calc with Trig	&	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) ³						[3]	

Departmental Requirements [28 - 31 credits]:			
ALS 2304 ² (PRE: BIOL 1106)	Animal Physiology and Anatomy	[4]	
ALS 3104 ² (PRE: BIOL 1106, MATH 1015)	Animal Genetics and Breeding	[3 or 4]	
ALS 3204 ² (PRE: ALS 2304, CHEM 1016)	Animal Nutrition and Feeding	[3 or 4]	
ALS 4304 ² or ALS 3304 ² (PRE: ALS 2304)	Physiology of Reproduction	[3 or 4]	
BIOL 2604, 2614 (PRE: BIOL 1106, CHEM 1016)	Gen Microbiology & LAB	[3]	[1]
DASC 2474 ²	Dairy Science and Industry	[2]	
DASC 3474 ²	Dairy Information Systems		[3]
DASC 4074 ^{2,3}	Professional Development		[3]
DASC 4374 ² (PRE: ALS 2304)	Physiology of Lactation	[3]	

TOTAL GENERAL REQUIREMENT CREDITS**75 to 78****ELIGIBILITY FOR CONTINUED ENROLLMENT**

- After completion of 36 semester credits¹
12 semester credits in any area of the Curriculum for Liberal Education
- After completion of 72 semester credits¹
24 semester credits in any area of the Curriculum for Liberal Education
9 semester credits in the required 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.

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- 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 [9 credits minimum]			
DASC 2484 ²	Dairy Cattle Evaluation	[2]	
DASC 3274 ²	Applied Dairy Cattle Nutrition	[3]	
DASC 4174 ²	Applied Dairy Cattle Genetics	[3]	
DASC 4304 ²	Reproductive Management		[2]
DASC 4475 ² , 4476 ²	Dairy Enterprise Management I & II	[3]	[3]
DASC/ALS 4964 ² , 4974 ² , 4994 ²	Maximum to be used: 3 credits	[]	[]

Option Biotechnology / Pre-Vet Requirements [14 credits minimum]:			
suggested areas: Organic CHEM, PHYS, Biochem, BIOL, Biotech, STAT courses.			
BCHM 2024	Concepts of Biochemistry**	[3]	
BCHM 3114, 3124	Biochemistry for Biotechnology and LAB*	[3]	[3]
BCHM 4784	Biotechnology Applications*	[3]	
BIOL 2004	Genetics*	[3]	
BIOL 3774, 4774	Molecular Biology and LAB*	[3]	[3]
CHEM 2535, 2536	Organic Chemistry ***	[3]	[3]
CHEM 2545, 2546	Organic Chemistry LABS ***	[1]	[1]
PHYS 2205, 2206	General Physics **	[3]	[3]
PHYS 2215, 2216	General LABS **	[1]	[1]
STAT 2004, or 3615, 3616	Statistics	[3]	[3]
		[]	[]
		[]	[]
		[]	[]

Option Restricted Electives [minimum 10 credits]			
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 33

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

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
 * University Biotechnology option requirements [26 credits]
 ** Pre-vet option requirements [19 credits]