

Checksheet for Students Graduating in Calendar Year 2020

Curriculum for Liberal Education and CALS Requirements [45 credits]:								
AAEC 1005, 1006		or	ECON 2005-2006	Econ Food Fiber Sys	or	Principles of Economics	[3]	[3]
BIOL 1105, 1106		or	1005, 1006	Principles of Biology	or	General Biology	[3]	[3]
BIOL 1115, 1116		or	1015, 1016	Principles of Biol Lab	or	General Biology Lab	[1]	[1]
select 2 courses (6 credits total)								
CHEM 1015, 1016		or		Chemistry in Context	or		[3]	[3]
CHEM 1035-1036 ¹				General Chemistry				
CHEM 1036 (PRE:1035 or 1055 or 1055H)								
ENGL 1105-1106		or	ENGL 1204H	First-Year Writing	or	Honors Freshman English	[3]	[3]
MATH 1014 or 1016 or 1025 ¹ & STAT 2004 (PRE: MATH 1014 or 1015)				Precalc with Transcendental Elementary Calculus	or &	Calculus Introductory 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 Comm Agriculture in Writing								
or COMM 2024 Media Writing (PRE: COMM 1016 or ENGL 1106 or ENGL 1204H)								
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 Breeding and Genetics	[3]	
ALS 3204 ² (PRE: ALS 2304, (CHEM 1036 OR CHEM 1036H OR 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)	Physiology of Lactation		[3]
DASC 4664 ^{2,3} (PRE: DASC 2664)	Translating Dairy Science	[1]	

TOTAL GENERAL REQUIREMENT CREDITS

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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.

- Prerequisites: PHYS 2205 (PRE: Math 1016 or MATH 1016H or MATH 1025 or MATH 2015 or MATH 1026 or MATH 1205 or MATH 1205H or MATH 1525 or MATH 1535 or MATH 1225 or MATH 1225H for 2205); Prerequisite for CHEM 2535 (PRE: 1036 or 1056 or 1056H or ISC 1106 for 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 1574 ²	Dairy Science First Year Experience	[1]	
DASC 2204 ² (PRE: AAEC 1005)	Entrepreneurship in Animal Agriculture	[3]	
DASC 2484 ²	Dairy Cattle Evaluation		[2]
DASC/APSC 3134	Animal Agriculture and the Environment		[3]
DASC 3274 ² (PRE: ALS 3204)	Applied Dairy Cattle Nutrition	[3]	
DASC 3474 ² (PRE: DASC 2474)	Dairy Information Systems	[3]	
DASC 4174 ² (PRE: ALS 3104)	Applied Dairy Cattle Genetics		[3]
DASC 4274 ² (PRE: ALS 3204, CO: DASC 3274)	Dairy Ration Formulation	[1]	
DASC/APSC 4304 ² (PRE: ALS 2304)	Bovine Reproduction Practices	[2]	
DASC 4384 ² (PRE: ALS 2304, ENGL 1106)	Mammary Immunology (taught in even years)		[3]
DASC 4474 ² (PRE: 3474, ALS 3104, ALS 3204, ALS 3304, CO: 4475)	Advanced Dairy Management Eval		[2]
DASC 4475 ² (PRE: 2474)	Dairy Enterprise Management I		[3]
DASC 4476 ² (PRE: 3474, (4475 or AAEC 3454))	Dairy Enterprise Management II	[3]	
DASC 4994 ²	Undergraduate Research (maximum of 3 credits)	[]	

Option Science / Pre-Vet Requirements [20 credits minimum, 25 for VMRCVM]:			
Take all of the following			
CHEM 1045-1046 [area 4] (PRE: 1045 or 1065 for 1046)	General Chemistry Lab	[1]	[1]
BIOL 2604 (PRE: (1005 or 1105 or 1205H or ISC 2105), (BIOL 1006 or BIOL 1106 or BIOL 1206H), CHEM 1036 OR CHEM 1056 or CHEM 1036H or CHEM 1056H or CHEM 1016 or ISC 2105)) BIOL 2614 (PRE: (1005 OR 1105 OR ISC 2105), (BIOL 1006 OR BIOL 1106), (CHEM 1036 OR CHEM 1056 OR CHEM 1036H OR CHEM 1056H OR ISC 2105), CO: 2604)	General Microbiology & Lab	[3]	[1]
Select at least 14 credits			
BCHM 2024 (PRE: CHEM 2514 or CHEM 2535)	Concepts of Biochemistry	[3]	
BCHM 3114 (PRE: CHEM 2536 or CHEM 2566)	Biochem for Biotech	[3]	
BCHM 4784 (PRE: (3114, 3124, BIOL 3774, BIOL 4774) or (4116, 4124))	Apps Molecular Life Sciences	[3]	
BIOL 3774, 4774 (PRE: 2104 or 2134 or ALS 3104 for BIOL 3774)	Molecular Biology and LAB	[3]	[3]
CHEM 2114 (PRE: 1036 or 1056 or 1056H), CHEM 2124 (PRE: 1046 or 1066)	Analytical Chemistry and LAB	[3]	[1]
CHEM 2535 (PRE: 1036 or 1056 or 1056H or ISC 1106 for 2535), CHEM 2536 (PRE: 2535 or 2565 or 2565H for 2536)	Organic Chemistry	[3]	[3]
CHEM 2545, 2546 (PRE: 1046 or 1066 or ISC 1116 for 2545)	Organic Chemistry LABS	[1]	[1]
PHYS 2205, 2206 (PRE: MATH 1016 or MATH 1025 or MATH 2015 or MATH 1026 or MATH 12054 or MATH 1205H or MATH 1525 or MATH 1535 or MATH 1225 or MATH 1225H for 2205), PHYS 2206 (PRE: 2305 or 2205 for 2206)	General Physics	[3]	[3]
PHYS 2215, 2216 (Pre: 2215 or 2305 for 2216)	General Physics LABS	[1]	[1]

Minimum Total Option Credits 32-35

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