

Virginia Polytechnic Institute & State University
College of Agriculture & Life Sciences
Bachelor of Science in Agribusiness
Veterinary Business Management Option (VBMG)
For Students Entering under Undergraduate Catalog 2023-2024

Part I. PATHWAYS GENERAL EDUCATION REQUIREMENTS

The total number of credit hours will vary depending upon whether Pathways courses are used to meet specific requirements in Part II, III or IV. Some Pathways courses may also fulfill departmental requirements, but the credit hours may not be counted twice.

A. Pathways General Education (45 hours)

Concept 1 – Discourse		
Foundational	ENGL 1105-1106	3 __, 3 __
Advanced	COMM 2004 or ALCE 3634	3 __
Concept 2 – Critical Thinking in the Humanities		
		Any Concept 2 Courses 3 __, 3 __
Concept 3 – Reasoning in the Social Sciences		
		AAEC 1005, 1006 ¹ 3 __, 3 __
Concept 4 – Reasoning in the Natural Sciences		
		BIOL 1105-1106 3 __, 3 __
Concept 5 – Quantitative & Computational Thinking		
Foundational	MATH 1025	3 __
Foundational	MATH 1026 ² or CS 1014 or CS 1064 or FREC 1004 or STAT 1014	3 __
Advanced	*STAT 3615 ³	3 __
Concept 6 – Critique & Practice in Design and the Arts		
Design	Any Concept 6 Design Course	3 __
Arts	Any Concept 6 Arts Course	3 __
Concept 7 – Critical Analysis of Identity & Equity in the US		
		Any Concept 7 Course 3 __

Part II. AGRIBUSINESS COMMON CORE DEGREE REQUIREMENTS (AGRB)

A. Degree Core Courses (21 hours)

*AAEC 2434	Foundations of Agribusiness	3 __
*AAEC 3454	Small Business Management and Entrepreneurship	3 __
*AAEC 3504	Marketing Ag. Products	3 __
AAEC 3604	Agricultural Law	3 __
*AAEC 4424	Agricultural Financial Management	3 __
*AAEC 3024	Monetary and Global Issues in Applied Economics	3 __
ACIS 2115	Principles of Accounting	3 __

Part III. MAJOR IN AGRIBUSINESS (AGRB) REQUIREMENTS

A. Major Core Courses (10 hours)

ALS 1234	CALS First Year Seminar	1 __
*AAEC 3014 ⁴	Analytic Methods in Applied Economics	3 __
*AAEC 3424 ⁵	Value-Based Management in Agribusiness	3 __
*ENGL 3774 ⁶	Business Writing	3 __

Part IV. MAJOR OPTION IN VETERINARY BUSINESS MANAGEMENT (VBMG) REQUIREMENTS

A. Major Option Core Courses (36 hours)

*BIOL 1115-1116	General Biology Labs	1 __, 1 __
*BIOL 2604	General Microbiology	3 __
*BIOL 2614	General Microbiology Lab	1 __
*PHYS 2205-2206	General Physics	3 __, 3 __
*PHYS 2215-2216	General Physics Labs	1 __, 1 __
*CHEM 1035, 1036	General Chemistry	3 __, 3 __
*CHEM 1045, 1046	General Chemistry Labs	1 __, 1 __
*CHEM 2535-2536	Organic Chemistry	3 __, 3 __
*CHEM 2545-2546	Organic Chemistry Labs	1 __, 1 __
*BCHM 2024 ⁷	Concepts in Biochemistry	3 __
*HNFE 2204	Medical Terminology	3 __

Part V. FREE ELECTIVES

A. Free Electives (8 hours - Number needed to complete 120 hours)

	3 __		3 __
	2 __		

NOTES:

***Pre-requisites:** Some courses required for this major have pre-/co-requisites and/or enrollment requirements. Please refer to the Undergraduate Course Catalog or consult your advisor for information about pre-/co-requisites and enrollment requirements.

Program Total Hours: 120 credit hours required for graduation with this degree.

Foreign Language Requirement: Students who do not successfully complete at least two units of a single foreign language, classical language or American Sign Language during high school must successfully complete six semester hours of a single college level foreign or classical language at the college level. Such semester hours are in addition to those normally required for graduation. Please see the Undergraduate Catalog for details.

GPA: In major calculation is from all AAEC and ECON classes taken. An overall GPA of at least 2.0 is required to meet the University's minimum standard for good academic standing. Overall and in-major GPA's of at least 2.00 are required for graduation.

Satisfactory progress: By the end of the academic year in which the student has attempted 72 hours (including transfer, advanced placement, advanced standing and credit by examination), "satisfactory progress" will consist of 1) an overall GPA of at least 2.0; 2) at least 30 credits that apply to the Pathways to General Education, and 3) 9 semester credits of departmental requirements.

¹ Or take ECON 2005-2006: Principles of Economics

² Or take MATH 1225-1226: Calculus of a Single Variable. Students considering graduate school in applied economics are encouraged to take MATH 1225-1226.

³ Or STAT 3005: Statistical Methods or BIT 2405: Introduction to Business Statistics, Analytics, and Modeling

⁴ Or BIT 2406: Introduction to Business Statistics, Analytics, and Modeling, or STAT 3006: Statistical Methods or STAT 3616: Biological Statistics

⁵ Or FIN 3104: Introduction to Finance or ACIS 2116: Principles of Accounting.

⁶ Or take ENGL 3764: Technical Writing, or ENGL 3754: Advanced Composition or ALCE 3624 Communicating Agriculture in Writing.

⁷ Or take BCHM 3114: Biochem for Biotech; or BCHM 4115 General Biochemistry.