

**Virginia Polytechnic Institute & State University**  
**College of Agriculture & Life Sciences**  
**Bachelor of Science in Applied Economic Management (BS AEM)**  
**Community Economic Development Option (CED)**  
**For Students Graduating in Calendar Year 2021**

**Part I. UNIVERSITY, COLLEGE, AND DEPARTMENT CLE \***

\* The total number of credit hours will vary depending upon whether Curriculum for Liberal Education courses are used to meet specific requirements in Part II. Some Curriculum for Liberal Education courses may also fulfill departmental requirements, but the credit hours may not be counted twice.

(Area 1)	ENGL 1105-1106	Freshman English	3 __, 3 __
(Area 2)	(Ideas, Cultural Traditions, and Values)		3 __, 3 __
(Area 3)	AAEC 1005-1006 <sup>1</sup>	Econ. of the Food and Fiber System	3 __, 3 __
(Area 4)	(Scientific Reasoning and Discovery)	Lecture	3 __, 3 __
		Lab	1 __, 1 __
(Area 5)	MATH 1525-1526 <sup>2</sup>	Elem. Calculus with Matrices	3 __, 3 __
(Area 6)	(Creativity and Aesthetic Experience)		1 __
(Area 7)	(Critical Issues in a Global Context)		3 __
	ACIS 2115	Principles of Accounting	3 __
	COMM 2004 or	Public Speaking	
	ALCE 3634 <sup>3</sup>	Comm. Ag. & Life Sci. in Speaking	3 __
	ENGL 3774 <sup>4</sup>	Business Writing	3 __

**Part II. COMMUNITY ECONOMIC DEVELOPMENT (CED)**

**A. Disciplinary Core Courses (25 hours)**

AAEC 2434 <sup>5</sup>	Foundations of Agribusiness	3 __
AAEC 3004	Agricultural Production and Consumption Econ.	3 __
AAEC 3604 or 3314	Agricultural Law or Environmental Law	3 __
AAEC 3324	Environment and Sustainable Dev. Economics	3 __
AAEC 4324	Rural and Regional Development Policy	3 __
AAEC 3024	Monetary and Global Issues in Applied Econ.	3 __
AAEC 3015	AAEC Internship	1 __
<b>Choose 2 of the following:</b>		
AAEC 3204	International Agricultural Dev & Trade (Area 7)	3 __
AAEC 4314	Environmental Economic Analysis and Mgmt.	3 __
ECON 3014	Economics of Poverty	

**B. Analytical Methods (9 hours)**

STAT 3005, STAT 3615 or BIT 2405	Statistical Methods or Quantitative Methods	3 __
and AAEC 3014 <sup>6</sup>	Analytic Methods in Applied Economics	3 __
GEOG 2084 <sup>7</sup>	Intro to Geographic Information Systems (GIS)	3 __

**C. Restricted Electives -- 9 hours total (6 hours must be at the 3000 level or higher)**

AAEC _____	_____	3 __
AAEC _____	_____	3 __
or ECON 4044	Public Economics	3 __
or ECON 4304	Introduction to Econometric Methods	
or UAP 4754	Legal Foundations of Planning.	
or STAT 4214	Methods of Regression Analysis	
or STAT 4524	Sample Survey Methods	

**Part III. AREA OF SPECIALIZATION AND FREE ELECTIVES**

**A. Area of Specialization (18 hours)** – AAEC advisor must approve area of specialization courses and the student must file an *area of specialization* form with the AAEC undergraduate office. Students should consider minors or double majors. At least 15 hours must be at the 3000 level or higher (unless noted otherwise for a minor in another academic department).

Course	3 __	Course	3 __
_____	3 __	_____	3 __
_____	3 __	_____	3 __

**B. Free Electives (number needed to complete 120 hours)**

_____	3 __	_____	3 __
_____	3 __	_____	3 __

**NOTES:**

**Pre-requisites:** Some courses required for this major have prerequisites. Please refer to the Undergraduate Course Catalog or consult your advisor for information about prerequisites.

**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 24 credits that apply to the University Curriculum for Liberal Education, and 3) 9 semester credits of departmental requirements.

<sup>1</sup> Or take ECON 2005-2006: Principles of Economics

<sup>2</sup> Or take MATH 1025-1026: Elem. Calculus; or MATH 1225-1226: Calculus of a Single Variable. Students considering graduate school in applied economics are encouraged to take MATH 1225-1226.

<sup>3</sup> Or take COMM 2014: Speech Communication; or COMM 3134: Argumentation and Decision-Making.

<sup>4</sup> Or take ENGL 3764: Technical Writing; or ENGL 3754: Advanced Composition.

<sup>5</sup> Or AAEC 2104: Personal Financial Planning.

<sup>6</sup> Or BIT 2405-2406, STAT 3005-3006, or STAT 3615-3616.

<sup>7</sup> Or BSE 4344: Geographic Information Systems for Engineers.