

Virginia Polytechnic Institute & State University
 College of Agriculture & Life Sciences
 Bachelor of Science in Applied Economic Management
 Community Economic Development Major (CED)
 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	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			
Any Concept 4 Lecture Courses		3	3
Concept 5 – Quantitative & Computational Thinking			
Foundational	MATH 1025	3	3
Foundational	MATH 1026 ² or CS 1014 or CS 1064 or FREC 1004 or STAT 1014	3	3
Advanced	*STAT 3615 ³	3	3
Concept 6 – Critique & Practice in Design and the Arts			
Design	Any Concept 6 Design Course	3	3
Arts	Any Concept 6 Arts Course	3	3
Concept 7 – Critical Analysis of Identity & Equity in the US			
Any Concept 7 Course		3	3

Part II. COMMUNITY ECONOMIC DEVELOPMENT MAJOR (CED)

A. Degree Core Courses (19 hours)

*AAEC 2434	Foundations of Agribusiness	3
*AAEC 3004	Agricultural Production and Consumption Economics	3
*AAEC 3024	Monetary and Global Issues in Applied Economics	3
AAEC 3015	AAEC Internship	1
*AAEC 3014 ⁴	Analytical Methods in Applied Economics	3
ACIS 2115	Principles of Accounting	3
*ENGL 3774 ⁵	Business Writing	3

B. Major Core Courses (19 hours)

ALS 1234	CALS First Year Seminar	1
AAEC 3604 or 3314	Agricultural Law or Environmental Law	3
*AAEC 3324	Environment and Sustainable Development Economics	3
*AAEC 4324	Rural and Regional Development Policy	3
*AAEC 3424 ⁶	Value-Based Management in Agribusiness	3

Take 2 of the following:

*AAEC 3204	International Agricultural Development and Trade	3
*AAEC 4314	Environmental Economic Analysis and Management	3
*ECON 3034	Economics of Poverty and Discrimination	3

C. Analytical Methods (3 hours)

Take 1 of the following:

*AAEC 4804 (STAT 4804)	Elementary Econometrics	3
GEOG 2084 ⁷	Principles of Geographic Information Systems	3
*STAT 4214	Methods of Regression Analysis	3
*AAEC 4484	Applied Economic Forecasting	3

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

†AAEC _____	_____	3
†AAEC _____	_____	3
†AAEC _____	_____	3

†Can take any of the classes below as an AAEC restricted elective:

- *APS 3464 (AHRM/GEOG/HD/HUM/SOC/UAP 3464) - Appalachian Communities
- *ECON 4074 - Labor Economics
- *ECON 4044 - Public Economics
- *ECON 4054 - Public Finance
- *UAP 4374 - Land Use and Environment

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 9 hours must be at the 3000 level or higher (unless noted otherwise for a minor in another academic department). Students majoring in the AAEC Department are not eligible to minor in any of the AAEC minors⁸.

APPROVED University Registrar

Course		Course	
_____	3	_____	3
_____	3	_____	3
_____	3	_____	3
<u>B. Free Electives (7 hours)</u>			
_____	3	_____	3
_____	1		

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

⁶ Or FIN 3104: Introduction to Finance or ACIS 2116: Principles of Accounting.

⁷ May also take BSE 4344 Geographic Information Systems for Engineers.

⁸ AAEC minors: Agribusiness Management and Entrepreneurship (ABAE), Environmental Economics (EECO), Development and International Trade (DAIT), and Agricultural and Applied Economics (AEMN).