Virginia Polytechnic Institute & State University
College of Agriculture & Life Sciences
Bachelor of Science in Applied Economic Management
Environmental Economics, Management, and Policy Option (EEMP)
For students graduating in calendar year 2022 and
date of entry under the Undergraduate Catalog 2020-2021

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
- Advanced: COMM 2004

Concept 2 – Critical Thinking in the Humanities
Any Concept 2 Courses

Concept 3 – Reasoning in the Social Sciences
AAEC 1005, 1006

Concept 4 – Reasoning in the Natural Sciences
Any Concept 4 Lecture Courses

Concept 5 – Quantitative & Computational Thinking

- Foundational: MATH 1025, MATH 1026 or CS 1014, or MATH 1064
- Advanced: FREC 1004 or STA 1100

Concept 6 – Critique & Practice in Design and the Arts
Any Concept 6 Design Course

Concept 7 – Critical Analysis of Identity & Equity in the US
Any Concept 7 Course

Part II. APPLIED ECONOMIC MANAGEMENT COMMON CORE DEGREE REQUIREMENTS (AEM)

A. Degree Core Courses (19 hours)
- *AAEC 2434 Foundations of Agribusiness
- *AAEC 3004 Agricultural Production and Consumption Economics
- *AAEC 3024 Monetary and Global Issues in Applied Economics
- AAEC 3015 AAEC Internship
- *AAEC 3014 Analytical Methods in Applied Economics
- ACIS 2115 Principles of Accounting
- *ENGL 3774 Business Writing

Part III. MAJOR IN APPLIED ECONOMIC MANAGEMENT (AEM) REQUIREMENTS

A. Major Core Courses (9 hours)
- *AAEC 3324 Environment and Sustainable Development Economics
- *AAEC 3424 Value-Based Management in Agribusiness
- *AAEC 4324 Rural and Regional Development Policy

Part IV. MAJOR OPTION IN ENVIRONMENTAL ECONOMICS, MANAGEMENT AND POLICY (EEMP)
REQUIREMENTS

A. Major Option Core Courses (20-21 hours)
- AAEC 3314 Environmental Law
- *AAEC 4314 Environmental Economic Analysis and Management
- ENSC 3015 Foundations of Environmental Science

Take one of the following courses:
- AAEC 4504 Agricultural Price and Market Analysis
- GEOG 2084 Principles of Geographic Information Systems
- AAEC 3514 Agricultural Futures and Options
- *AAEC 4804 Elementary Econometrics
- ALS 4614 Watershed Assessment, Management, and Policy

Restricted Electives — (6 hours must be at the 3000 level or higher)

Part III. AREA OF SPECIALIZATION AND FREE ELECTIVES

A. Area of Specialization (18 hours) – AAEC undergraduate advisor must approve area of specialization courses. Students should consider obtaining a minor or double major to satisfy the area of specialization. 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 Agribusiness are not eligible to minor in any of the AAEC minors

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**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 30 credits that apply to the Pathways to General Education, and 3) 9 semester credits of departmental requirements.

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3 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: Quantitative Methods
2 Or BIT 2406: Quantitative Methods or STAT 3006: Statistical Methods or STAT 3616: Biological Statistics
4 Or take ENGL 3764: Technical Writing; or ENGL 3754: Advanced Composition.
6 Or FIN 3104: Introduction to Finance or ACIS 2116: Principles of Accounting.
7 May also take BSE 4344: Geographic Information Systems for Engineers.
4 AAEC minors: Agronomy Management and Entrepreneurship (ABMN), Environmental Economics (ENMN), Development and International Trade (ITMN), and Agricultural and Applied Economics (ABNSN).