Virginia Polytechnic Institute & State University
College of Agriculture & Life Sciences
Bachelor of Science in Applied Economic Management
Environmental Economics, Management, and Policy Major (EEMP)
For Students Graduating in Calendar Year 2022 and Date of Entry under UG Catalog 2020-2021

Part I. UNIVERSITY, COLLEGE, AND DEPARTMENT PATHWAYS*
* The total number of credit hours will vary depending upon whether Pathways courses are used to meet specific requirements in Part II. Some Pathways courses may also fulfill departmental requirements, but the credit hours may not be counted twice.

Pathways Concepts (45 hours):

Concept 1 - Discourse – Foundational
Discourse – Advanced
ENGL 1105-1106
COMM 2004

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

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

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

Concept 5 – Quantitative & Computational Thinking – Foundational
MATH 1025
Foundational MATH 1026 or CS 1014 or CS 1064 or FREC 1004 or STAT 1014

Quantitative & Computational Thinking – Advanced
STAT 3615

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

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

Part II. ENVIRONMENTAL ECONOMICS, MANAGEMENT AND POLICY MAJOR (EEMP)

A. Degree Core Courses (19 credit hours)

*AAEC 2434
Agricultural Production and Consumption Economics

*AAEC 3004
Monetary and Global Issues in Applied Economics

*AAEC 3024
AAEC Internship

*AAEC 3014
Analytical Methods in Applied Economics

ACTS 2115

* ENGL 3774
Principles of Accounting

B. Major Core Courses (18 hours):

AAEC 3314
Foundations of Agribusiness

*AAEC 3324
Environmental Law

*AAEC 4314
Environmental and Sustainable Development Economics

*AAEC 4324
Environmental Economic Analysis and Management

ENSC 1015
Rural and Regional Development Policy

*FIN 3104
Foundations of Environmental Science

Introduction to Finance

C. Analytical Methods (2-3 hours)

Take 1 of:

*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

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

AAEC

AAEC

AAEC

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).

Course

Course

Course

B. Free Electives (9 hours — number needed to complete 120 hours)

Course

Course

Course
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
4 Or BIT 2406, or STAT 2006, or STAT 3616
5 Or take ENGL 3764: Technical Writing; or ENGL 3754: Advanced Composition.
6 Or ACIS 2116: Principles of Accounting.
7 May also take BUS 4344 Geographic Information Systems for Engineers.