

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 2018

**APPROVED**  
 University Registrar

**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 ___         |
|          | FIN 3104 <sup>3</sup>                    | Introduction to Finance            | 3 ___         |
|          | COMM 2004 or                             | Public Speaking                    |               |
|          | AEE 3634 <sup>4</sup>                    | Comm. Ag. & Life Sci. in Speaking  | 3 ___         |
|          | ENGL 3774 <sup>5</sup>                   | Business Writing                   | 3 ___         |

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

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

|                        |   |       |
|------------------------|---|-------|
| AAEC 2434 <sup>6</sup> | Foundations of Agribusiness                   | 3 ___ |
| AAEC 3004              | Agricultural Production and Consumption Econ. | 3 ___ |
| AAEC 4324              | Rural and Regional Development Policy         | 3 ___ |
| AAEC 3314              | Environmental Law (also Area 7 Class)         | 3 ___ |
| AAEC 3324              | Environment and Sustainable Dev. Economics    | 3 ___ |
| AAEC 4314              | Environmental Economic Analysis and Mgmt.     | 3 ___ |
| AAEC 3024              | Monetary and Global Issues in Applied Econ.   | 3 ___ |
| ENSC (or CSES) 3604    | Fundamentals of Environmental Science         | 3 ___ |
| AAEC 3015              | AAEC Internship                               | 1 ___ |

**B. Analytical Methods (8-9 hours)**

|                                  |   |       |
|----------------------------------|---|-------|
| STAT 3005, STAT 3615 or BIT 2405 | Statistical Methods or Quantitative Methods | 3 ___ |
| and AAEC 3014 <sup>7</sup>       | Analytic Methods in Applied Economics       | 3 ___ |

**Take 1 of:**

|                        |  |            |
|------------------------|--|------------|
| AAEC 4504              | Agricultural Price and Market Analysis       | 2 or 3 ___ |
| GEOG 2084 <sup>8</sup> | Principles of Geographic Information Systems |            |
| AAEC 3514              | Agricultural Futures and Options             |            |
| AAEC 4804              | Elementary Econometrics                      |            |
| ALS 4614               | Watershed Assessment, Management, and Policy |            |

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

|            |       |       |
|------------|-------|-------|
| AAEC _____ | _____ | 3 ___ |
| AAEC _____ | _____ | 3 ___ |
| AAEC _____ | _____ | 3 ___ |

**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.

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

<sup>2</sup> Or take MATH 1016-2015: Elem. Calculus with Trig. I; or MATH 1025-1026: Elem. Calculus w/Trig., Elem. Calculus w/Trig II.; or MATH1225-1226: Calculus. Students considering graduate school in applied economics are encouraged to take MATH 1225-1226.

<sup>3</sup> Or take ACIS 2116: Principles of Accounting.

<sup>4</sup> Or take COMM 2014: Speech Communication; or COMM 3134: Argumentation and Decision-Making.

<sup>5</sup> Or take ENGL 3764: Technical Writing; or ENGL 3754: Advanced Composition.

<sup>6</sup> Or AAEC 2104: Personal Financial Planning.

<sup>7</sup> Or BIT 2405-2406, or STAT 3005-3006 or STAT 3615-3616.

<sup>8</sup> Or BSE 4344: Geographic Information Systems for Engineers.