Through curriculum and experiential learning, students develop the skills to analyze complex situations such as the allocation of natural resources to meet the needs of people in local, state, national, and global communities. Food and Resource Economics students study sales, finance, marketing, management, environmental policy, law, international trade, math and economics.

About this Program
- **College:** Agricultural and Life Sciences
- **Degree:** Bachelor of Science
- **Specializations:** Food and Agribusiness Marketing and Management
- **Credits for Degree:** 120
- **Additional Information**
  - [Related Food and Resource Economics Programs](http://catalog.ufl.edu/UGRD/colleges-schools/UGAGL/FRE_BS/)

To graduate with this major, students must complete all university, college, and major requirements.

Graduates choose from a vast number of career opportunities, including sales, marketing, management, environmental policy, international trade, international marketing, economic analysis, natural resource management and human resource management.

Students who have completed 30 credits but fewer than 60 are required to complete mathematics through precalculus (MAC 1147 or equivalent) before admission to the college.

Students who have completed 60 or more credits are required to have completed calculus (MAC 2233 or equivalent), statistics (STA 2023 or equivalent), financial accounting (ACG 2021 or equivalent) and macroeconomics (ECO 2013 or equivalent) with minimum grades of C before admission to the college.

Students should consult an advisor for approval of electives.

Related Food and Resource Economics Programs
- [Combined Degree](http://catalog.ufl.edu/UGRD/academic-programs/combined-degrees)
- [Food and Resource Economics minor](http://catalog.ufl.edu/UGRD/colleges-schools/UGAGL/FRE_UMN)

International Food and Resource Economics
This specialization provides a broad background in economic theory and international development and policy. Many who choose this specialization are preparing for graduate school or for careers working for international organizations and governments.

### Critical Tracking

Note that critical tracking is the same for both specializations of this major.

Critical Tracking records each student’s progress in courses that are required for entry to each major. Please note the critical-tracking requirements below on a per-semester basis.

**Students also must earn a minimum GPA of 2.25 in all AEB courses.**

Equivalent critical-tracking courses as determined by the State of Florida Common Course Prerequisites (http://www.flvc.org/cpp/displayRecord.jsp?cip=010103&track=01) may be used for transfer students.

**Semester 1**
- Complete 1 of 4 critical courses: ACG 2021, ECO 2013, MAC 2233, STA 2023
- 2.0 GPA required for all critical-tracking courses
- 2.0 UF GPA required

**Semester 2**
- Complete 1 additional critical-tracking course
- 2.0 GPA required for all critical-tracking courses
- 2.0 UF GPA required

**Semester 3**
- Complete MAC 2233
- 2.0 GPA required for all critical-tracking courses
- 2.0 UF GPA required

**Semester 4**
- Complete 1 additional critical-tracking course
- 2.0 GPA required for all critical-tracking courses
- 2.0 UF GPA required

**Semester 5**
- Complete all critical-tracking courses
- 2.0 GPA required for all critical-tracking courses
- 2.0 UF GPA required

**Model Semester Plan**
To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester One</td>
<td>Select one:</td>
<td>3-4</td>
</tr>
<tr>
<td>BSC 2005 &amp; 2005L</td>
<td>Biological Sciences and Laboratory in Biological Sciences</td>
<td></td>
</tr>
</tbody>
</table>
ENY 3005 & 3005L  Principles of Entomology and Principles of Entomology Laboratory
FOS 3042  Introductory Food Science
FOR 3153C  Forest Ecology
PLS 3004C  Principles of Plant Science
WIS 2552  Biodiversity Conservation: Global Perspectives (Gen Ed Biological Sciences) 

ECO 2013  Principles of Macroeconomics (Critical Tracking; State Core Gen Ed Social and Behavioral Sciences) 
MAC 1147  Precalculus Algebra and Trigonometry (Gen Ed Mathematics; if needed, or select one elective)

State Core Gen Ed Composition (http://catalog.ufl.edu/UGRD/academic-programs/general-education/#genedcoursetext); Writing Requirement  
Elective  

Credits  15-16

Semester Two
IDS 1161  What is the Good Life (Gen Ed Humanities)  
MAC 2233  Survey of Calculus 1 (Critical Tracking; State Core Gen Ed Mathematics) 
Gen Ed Composition; Writing Requirement  
State Core Gen Ed Humanities (http://catalog.ufl.edu/UGRD/academic-programs/general-education/#genedcoursetext)  
Elective  

Credits  15

Semester Three
ACG 2021  Introduction to Financial Accounting (Critical Tracking)  
AEC 3033C  Research and Business Writing in Agricultural and Life Sciences (Writing Requirement) 
STA 2023  Introduction to Statistics 1 (Critical Tracking; Gen Ed Mathematics) 
State Core Gen Ed Biological or Physical Sciences (http://catalog.ufl.edu/UGRD/academic-programs/general-education/#genedcoursetext)  
Select one:  
Gen Ed Social and Behavioral Sciences  
Gen Ed Humanities  

Credits  16

Semester Four
ACG 2071  Introduction to Managerial Accounting or Financial Planning for Agribusiness  
AEB 3103  Principles of Food and Resource Economics (Gen Ed Social and Behavioral Sciences) 
AEC 3030C  Effective Oral Communication  
Gen Ed Physical Sciences  
Elective  

Credits  14-15

Semester Five
AEB 2451  Economics of Resource Use  
AEB 3300  Agricultural and Food Marketing  
AEB 3510  Quantitative Methods in Food and Resource Economics  
AEB 3935  Food and Resource Economics Seminar  
Electives  

Credits  16

Semester Six
AEB 3133  Principles of Agribusiness Management  
AEB 3144  Introduction to Agricultural Finance  
AEB 3550  Agricultural Data Analysis in Food and Resource Economics  
AEB 3671  Comparative World Agriculture (Gen Ed Social and Behavioral Sciences with International) 
Elective  

Credits  15

Semester Seven
Select one:  
AEB 4334  Agricultural Price Analysis and Consumer Behavior 
ECO 3101  Intermediate Microeconomics (students pursuing graduate studies should take this course) 
AEB 4242  International Trade Policy in Agriculture (Gen Ed Social and Behavioral Sciences) 
AEB 4343  International Agribusiness Marketing (Gen Ed Social and Behavioral Sciences) 

Approved International electives  

Credits  6

Semester Eight
AEB 3281  Agricultural Macroeconomics  
ECO 3704  International Trade  
Electives  

Credits  4

Approved International elective  

Credits  3

Total Credits  120

1 At least one science course (e.g., SWS 3022L) must include a laboratory component.
2 The order in which these courses are taken is not important.

Approved Electives

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AEB 4282</td>
<td>International Humanitarian Assistance (Gen Ed Social and Behavioral Sciences with International)</td>
<td>3</td>
</tr>
<tr>
<td>AEB 4283</td>
<td>International Development Policy (Gen Ed Social and Behavioral Sciences)</td>
<td>3</td>
</tr>
<tr>
<td>ALS 4404</td>
<td>International Studies</td>
<td>1-3</td>
</tr>
<tr>
<td>URP 3001</td>
<td>Cities of the World (Gen Ed Social and Behavioral Sciences with International)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Any 3000 level or above course in LAS, EUS or AFS</td>
<td>3</td>
</tr>
</tbody>
</table>

Academic Learning Compact

Students will learn to apply a conceptual framework using economic reasoning and generally accepted economic principles to problem solving. They will also learn to analyze and interpret economic data, and to critically evaluate economic information in media and politics.

Before Graduating Students Must

- Complete AEB 4325 for the food and agribusiness management and marketing specialization, or
- Complete AEB 4343 for the international food and resource economics specialization
- Achieve minimum grades of C in AEC 3030C and AEC 3033C. These courses are graded using rubrics developed by a faculty team.
• Complete requirements for the baccalaureate degree, as determined by faculty.

Students in the Major Will Learn to

Student Learning Outcomes (SLOs)

Content
1. Describe fundamental micro- and macroeconomic principles.
2. Explain the basic role of marketing, management and finance in firm-level decision making.

Critical Thinking
3. Analyze and interpret economic data, critically evaluating economic information and economic policies.
4. Develop a business plan, based on a projected marketing strategy, assessing historic financial statements and projecting cash flows.

Communication
5. Communicate effectively in written form in a manner appropriate in economics and business.
6. Communicate orally (including visual aids) in an effective manner appropriate in economics and business.

Curriculum Map

\[ I = Introduced; \ R = Reinforced; \ A = Assessed \]

<table>
<thead>
<tr>
<th>Courses</th>
<th>SLO 1</th>
<th>SLO 2</th>
<th>SLO 3</th>
<th>SLO 4</th>
<th>SLO 5</th>
<th>SLO 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>AEB 3103</td>
<td>I</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AEB 3133</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AEB 3144</td>
<td>R</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>R</td>
</tr>
<tr>
<td>AEB 3300</td>
<td>I</td>
<td>I</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AEB 4138</td>
<td>A</td>
<td>R</td>
<td>A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AEB 4242</td>
<td>A</td>
<td>R</td>
<td></td>
<td></td>
<td></td>
<td>R</td>
</tr>
<tr>
<td>AEB 4325</td>
<td>R</td>
<td>R</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AEB 4342</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AEC 3030C</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>I</td>
</tr>
<tr>
<td>AEC 3033C</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>I</td>
</tr>
</tbody>
</table>

Assessment Types

• Case studies
• Presentations
• Exams