

# FOOD AND RESOURCE ECONOMICS

## Program Information

The Food and Resource Economics Department offers the Master of Agribusiness (M.AB.) (non-thesis), Master of Science with Concentration in Agribusiness (M.S.AB.) (non-thesis), Master of Science (thesis), and Doctor of Philosophy.

The **Ph.D. in Food and Resource Economics** is designed to provide the student with rigorous training in economics, statistics, and applied quantitative techniques. Each student is exposed to core theory and to fields of specialization with the purpose to prepare the candidate for a professional career in post-secondary education, government, non-governmental organizations, private business, and international agencies.

The **Master of Agribusiness** is designed for students with no academic background in economics. Students who come from diverse academic backgrounds including Accounting, Agricultural Education and Communication, Agricultural Operations Management, Agronomy, Animal Science, Business Administration, Finance, English, Food Science, History, Horticulture, Management, Marketing, Soil and Water Science, Turfgrass, and Wildlife Ecology and Conservation. The graduate coursework prepares students for careers in banking, investing, financial analysis, sales, management, marketing, human resources, policy, production, and entrepreneurial pursuits working in private industry, international firms, non-profit organizations and government.

The **Master of Science** in the Food and Resource Economics Department provides broad training in applied economics as it relates to food production, policy, marketing and trade, regional economics, and natural resource issues. Students are taught to use economic principles and quantitative methods to address empirical problems. The core consists of courses in microeconomics, policy, econometrics, statistics and survey research methods. Many students continue their education with a Ph.D. while others opt for employment with government agencies, nongovernmental organizations, foreign agencies, private consulting firms, or corporations.

The **Master of Science with Concentration in Agribusiness** is designed for students with an academic background in economics. The quantitative courses include microeconomics, policy, econometrics and survey research methods and provide solid economic theory and prepares students for careers in banking, investing, financial analysis, sales, management, marketing, human resources, policy, production, and entrepreneurial pursuits working in private industry, international firms, non-profit organizations and government.

For more information, please see our website: <http://www.fred.ifas.ufl.edu>.

## Degrees Offered

### Degrees Offered with a Major in Food and Resource Economics

- Doctor of Philosophy
  - without a concentration
  - with a concentration in Tropical Conservation and Development
- Master of Agribusiness

- without a concentration
- with a concentration in Tropical Conservation and Development
- Master of Science
  - without a concentration
  - with a concentration in Agribusiness
  - with a concentration in Tropical Conservation and Development

Requirements for these degrees are given in the Graduate Degrees (<http://gradcatalog.ufl.edu/graduate/degrees/>) section of this catalog.

## Courses

### Food and Resource Economics Departmental Courses

Code	Title	Credits
AEB 5188	Economics of Agribusiness Decisions	3
AEB 5326	Agribusiness Financial Management	3
AEB 5516	Quantitative Methods in Agribusiness Decisions	3
AEB 5757	Strategic Agribusiness Human Resource Management	3
AEB 6106	Microeconomic Principles and Analysis	3
AEB 6145	Agricultural Finance	3
AEB 6183	Agribusiness Risk Management	3
AEB 6225	Public Policy and the Agribusiness Firm	3
AEB 6301	Food Wholesale and Retail Marketing	3
AEB 6385	Management Strategies for Agribusiness Firms	3
AEB 6553	Elements of Econometrics	3
AEB 6675	International Agribusiness Marketing	3
AEB 6817	Survey Research Methods for Economists	3
AEB 6905	Problems in Food and Resource Economics	1-3
AEB 6921	Workshop in Food and Resource Economics I	1
AEB 6933	Special Topics	1-6
AEB 6934	Workshop in Food and Resource Economics II	1
AEB 6942	Advanced Applications in Agribusiness Experience	1-3
AEB 6971	Research for Master's Thesis	1-15
AEB 7108	Microeconomic Theory II	3
AEB 7182	Agricultural Risk Analysis and Decision Making	3
AEB 7184	Production Economics	3
AEB 7220	Agricultural Trade Policy and Welfare Economics	3
AEB 7240	Macroeconomic Theory in Open Economies II	3
AEB 7333	Applied Valuation Methods	3
AEB 7373	Consumer Demand and Applied Analysis	3
AEB 7453	Natural Resource Economics	3
AEB 7483	Seminar in Environmental Economics	3
AEB 7504	Mathematical Statistics for Applied Econometrics	3
AEB 7571	Econometric Methods I	3
AEB 7572	Econometric Methods II	3
AEB 7573	Applied Microeconometrics	3
AEB 7645	Economic Development and Agriculture	3
AEB 7979	Advanced Research	1-12
AEB 7980	Research for Doctoral Dissertation	1-15

## College of Agricultural and Life Sciences Courses

Code	Title	Credits
ALS 5156	Agricultural Ecology Principles and Applications	3
ALS 5905	Individual Study	1-4
ALS 5932	Special Topics	1-4
ALS 6046	Grant Writing	2
ALS 6166	Exotic Species and Biosecurity Issues	3
ALS 6921	Colloquium on Plant Pests of Regulatory Significance	1
ALS 6925	Integrated Plant Medicine	4
ALS 6931	Plant Medicine Program Seminar	1
ALS 6935	Topics in Biological Invasions	3
ALS 6942	Principles of Plant Pest Risk Assessment and Management	3
ALS 6943	Internship in Plant Pest Risk Assessment and Management	1-10
ANS 6936	Graduate Seminar in Animal Molecular and Cell Biology	1-2
BCH 5045	Graduate Survey of Biochemistry	4
FNR 6933	Seminar	1
STA 6093	Introduction to Applied Statistics for Agricultural and Life Sciences	3
STA 6329	Matrix Algebra and Statistical Computing	3

SLO 2 Develop, Complete and Present Research Project  
Identify relevant economic problem, complete research project, and effectively communicate results to an appropriate audience

SLO 3 Professional Behavior  
Display honesty and integrity in the classroom, research and professional activities

### Student Learning Outcomes

## Food and resources economics (PHD)

### SLO 1 Knowledge

Explain relevant economic principles and apply economic theory to address problems relevant to agriculture and natural resources

### SLO 2 Skills

Identify relevant economic problem, propose and complete an original research project, and effectively communicate results to appropriate audiences (including off campus)

### SLO 3 Professional Behavior

Display honesty and integrity in research, the classroom and professional activities

## Food and resources economics (MAB)

### SLO 1 Principles Relating to Food and Agribusiness Firms

Explain principles of economics, management, marketing, finance, quantitative analysis and policy as they apply to food and agribusiness firms

### SLO 2 Solve Management Problems

Apply, analyze and synthesize content knowledge to solve management problems faced by food and agribusiness firms

### SLO 3 Display Honesty and Integrity

Display honesty and integrity in research, the classroom, and professional activities

## Food and resources economics (MS)

### SLO 1 Explain Relevant Economic Principles

Explain relevant economic principles and apply economic theory and tools to address problems relevant to agriculture and natural resources