



COLLEGE OF AGRICULTURE AND LIFE SCIENCES  
AGRICULTURAL AND  
APPLIED ECONOMICS  
VIRGINIA TECH.

## UNDERGRADUATE PROGRAM

WE GRADUATE LEADERS WHO CREATE GLOBAL IMPACT.

[aaec.vt.edu](http://aaec.vt.edu)



# ABOUT US

**#EducationWithPurpose** The Department of Agricultural and Applied Economics is ranked in the top 10% worldwide of Institutions and Economists in the Field of Agricultural Economics.

Inspired by our land grant mission and motto *Ut Prosim* (That I May Serve), we teach, conduct research, and distribute findings that empower a diverse audience of students, stakeholders, and alumni to change the world. Our faculty and graduates have expertise in applied economics and agribusiness principles that help address the food, financial, health, development, policy, environmental, and social needs in Virginia and beyond.

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## WHAT IS AGRICULTURAL AND APPLIED ECONOMICS?

*Agricultural and Applied Economics applies economic principles to food and fiber production, natural resource management, community and regional economic development, environmental policy, and international trade.*



"I chose to study Agribusiness because of the community I knew I would find in the College of Agriculture and Life Sciences. I met people I consider to be my closest friends today at orientation for the Ag Econ Department!"

Bailey Marshall,  
Agribusiness '23

## MAJORS

### AGRIBUSINESS MANAGEMENT

#### Key courses:

- Small business management
- Advanced marketing
- Marketing agricultural products
- Agricultural financial management
- Agricultural futures and options

#### Skills gained:

- Business management, marketing, risk management, commodity trading, and financial analysis

#### Potential careers:

- Loan officer, entrepreneur, price risk analyst, project manager, commodity trader, congressional aide, Extension agent, and agricultural lawyer

### VETERINARY BUSINESS MANAGEMENT

#### Key courses:

- Foundation of agribusiness
- Advanced agribusiness marketing
- Agricultural financial management

#### Skills gained:

- Small business management, marketing, and financial analysis

#### Potential careers:

- Veterinarian, veterinarian technician, and entrepreneur

### ENVIRONMENTAL ECONOMICS, MANAGEMENT, AND POLICY

#### Key courses:

- Environmental and sustainable economics
- Environmental economic analysis and management
- Environmental law
- Energy economics

#### Skills gained:

- Economic analysis, resource management, and policy impact analysis

#### Potential careers:

- Environmental economist, sustainability officer, environmental consultant, environmental policy analyst, and environmental lawyer

### INTERNATIONAL TRADE AND DEVELOPMENT

#### Key courses:

- International agricultural trade and development
- Rural and regional development
- Global monetary issues

#### Skills gained:

- Economic analysis, food and agricultural policy, marketing, and trade negotiations

#### Potential careers:

- Policy analyst, government representative, development economist, food security specialist, international trade specialist, and Peace Corps

## FOOD AND HEALTH SYSTEMS ECONOMICS

### Key courses:

- Analytical methods in applied economics
- World crops and systems
- Introduction to food science
- Foods, nutrition, and exercise
- Introduction to public health
- Food and health economics

### Skills gained:

- Economic analysis and impact assessment of factors and policies from the farm to the consumer to the medical field.

### Potential careers:

- Ag and food business analyst, food, health, or development economist, public health official, policy analyst, and government representative

## COMMUNITY ECONOMIC DEVELOPMENT

### Key courses:

- Rural and regional development policy
- Agricultural law
- Food and agricultural policy

### Skills gained:

- Economic analysis, community impact assessments, and geographic informational analysis (GIS)

### Potential careers:

- Extension agent, community engagement officer, economic developer, community and tourism assessor, and community financial specialist

## OUR MINORS

- Agribusiness Management and Entrepreneurship
- Environmental Economics
- Development and International Trade
- Agricultural and Applied Economics

"I chose my major because I am very interested in trade and welfare policies in developing countries, so International Trade & Development is a perfect fit for me!"



Alex Macri '23

# HANDS-ON LEARNING OPPORTUNITIES

## Kohl Centre

The Kohl Centre exists to provide Virginia businesses and agribusinesses with financial, marketing, and management advice, while also providing students with hands-on learning

experiences through real-world projects that benefit Virginia's agribusiness industry.



## National Agri-marketing association team

Student-directed and faculty-guided team plans and develops a food product. Students present and compete against other university teams at the NAMA convention in Kansas City.



## Data Science for the Public Good Summer Program

The DSPG platform promotes team science, where undergraduates and graduate students collaborate with faculty members to address current social issues locally and nationally. Teams are brought together to conduct research at the intersection of statistics, computation, and social sciences to determine how information can be leveraged to improve quality of life and inform public policy.

## Study Abroad

Study Abroad experiences enhance student's academic, professional, and personal growth through transformative out-of-classroom opportunities.



## COINS

Student-led club trading commodities with up to \$1 million of Virginia Tech Foundation funds – the only one in the country of its kind.



# CAREER OPPORTUNITIES



**Smithfield**  
*Good food. Responsibly.™*



Booz | Allen | Hamilton



“

My undergraduate degree helped me become a 'leader and influencer of people' and my master's gave me the analytical skills needed to succeed." Meredith Adams '15, '16

“

My degree has given me the knowledge and confidence to trust in my ability to always find the answer." Annah Latané '11

# 4+1 PROGRAM

## Start your master's degree while still an undergraduate

### Requirements

- Apply during junior year
- 3.3 in-major and overall GPA
- Completed formal application through the Virginia Tech Graduate School

### How does it work?

- Students take graduate-level classes during senior year
- Up to 12 credits can double both for B.S. and M.S. degrees
- Students earn a B.S. after fourth year and an M.S. after fifth year
- **Fifth year can be 100% remote**

### EXPECTED SALARY

	Undergraduate degree	Graduate degree
Early career	\$50,000	\$73,000 +
Mid-career	\$84,000	\$140,000+



Assistant Research Professor, Chani'ta Holmes drapes seniors Cameron Sims '22 (L) and Hannah Browne '22 (R) (both majored in Applied Economic Management) with stripes of Kente, a colorful cloth stole native to Ghana during "Donning of the Kente." This ceremony celebrates the accomplishments of graduating African American students and the history of black student achievements at Virginia Tech.

# ONLINE Master of Agricultural and Applied Economics

## ACCELERATE YOUR CAREER

We focus on developing the specialized skills and knowledge needed in economic modeling, data analytics, econometrics, forecasting, and micro- and macroeconomics.

The hands-on approach integrates tools and frameworks with industry and government issues, complemented by applied coursework in commodity markets, pricing, and contemporary issues and responses in food systems.

*Also offering 100% online certificates.*

### Where do our alumni work?

- Australian Competition & Consumer Commission
- Avolution
- Bayer
- Conagra Brands
- Croplife America
- Farm Credit of the Virginias
- Maryland & Virginia Milk Producers Cooperative Association, Inc.
- National Corn Growers Association
- Pinnacle Foods
- Smithfield Foods
- U.S. Department of Agriculture
- U.S. Department of Defense
- Virginia Economic Development Partnership, and more



### EXPLORE YOUR NEXT STEPS

[onlinems.aaec@vt.edu](mailto:onlinems.aaec@vt.edu)  
[onlinems.aaec.vt.edu](http://onlinems.aaec.vt.edu)

30

Credit hours

24

Months to complete

100

Percent online

Flexible  
Schedule

No GRE required

Asynchronous course  
delivery in the Canvas  
platform

Let Virginia Tech come to you!