

Applied Economics, Undergraduate Certificate

Visit the Finance and Economics Department page (<https://www.uvu.edu/woodbury/finance-economics/>) for more information on the program and access to advising.

Program Description

The Applied Economics, Undergraduate Certificate equips students with strong analytical and quantitative skills to address real-world economic and business challenges. Students gain hands-on experience applying economic theory, data mining, statistical methods, and econometric tools to problem-solving in applied contexts. Coursework emphasizes data analysis, interpretation, and decision-making using modern economic and quantitative approaches. Graduates are well-prepared for careers that require data-driven analysis and are well-positioned to pursue advanced studies in economics, business, or related fields.

Program Requirements

Code	Title	Credit Hours
Total Credit Hours		21
Discipline Core Requirements		18 Credits
ECON 2010	Principles of Economics I	3
ECON 2020	Principles of Economics II	3
MGMT 2240 or MATH 1210	Business Quantitative Analysis Calculus I	3
ECON 3020	Managerial Economics	3
ECON 3370	Economic Modeling and Data Analytics	3
ECON 3470	Principles of Applied Econometrics	3
Elective Requirements		3 Credits
Complete three hours from the following recommended courses:		3
ECON 3030	Intermediate Macroeconomics (3)	
ECON 3050G	International Economics (3)	
ECON 3060	Money and Banking (3)	
ECON 3070	Behavioral Economics (3)	
ECON 3400	Health Economics (3)	
ECON 4100	Analysis of Financial Institutions and Markets (3)	
ECON 4150	Public Finance (3)	
FIN 4100	Management of Financial Institutions (3)	
FIN 4180	International Finance (3)	
FIN 4570R	Advanced Topics in Finance (3)	

Graduation Requirements

- Maintain an overall GPA of 2.5 in all Woodbury School of Business courses, with no grade lower than C- in business courses.
- Complete 21 credit hours as specified in the undergraduate certificate curriculum.
- Earn at least 6 credit hours in residence at UVU.

Graduation Plan

This graduation plan is a sample plan and is intended to be a guide. Your specific plan may differ based on your Math and English placement and/or transfer credits applied. You are encouraged to meet with an advisor and set up an individualized graduation plan in Wolverine Track (<http://www.uvu.edu/wolverinetrack/>).

First Year		Credit Hours
Semester 1		
ECON 2010	Principles of Economics I	3
MGMT 2240 or MATH 1210	Business Quantitative Analysis or Calculus I	3
Credit Hours		6
Semester 2		
ECON 2020	Principles of Economics II	3
Credit Hours		3
Second Year		
Semester 3		
ECON 3020	Managerial Economics	3
ECON 3370	Economic Modeling and Data Analytics	3
Credit Hours		6
Semester 4		
ECON 3470	Principles of Applied Econometrics	3
Complete three hours from the following recommended courses:		3
ECON 3030	Intermediate Macroeconomics	
ECON 3050G	International Economics	
ECON 3060	Money and Banking	
ECON 3070	Behavioral Economics	
ECON 3400	Health Economics	
ECON 4100	Analysis of Financial Institutions and Markets	
ECON 4150	Public Finance	
FIN 4180	International Finance	
FIN 4100	Management of Financial Institutions	
FIN 4570R	Advanced Topics in Finance	
Credit Hours		6
Total Credit Hours		21

Program Learning Outcomes

1. Evaluate economic phenomena using critical thinking and quantitative reasoning.
2. Apply economic theory and statistical/econometric methods to analyze data and solve real-world problems.
3. Recommend evidence-based strategies for public policy and business decision-making.
4. Communicate economic findings effectively through reports and presentations for different audiences.

Managers, all other

- Total Positions 1,282,500
- Field Growth 5.7%
- Median Salary \$133,560
- Average Openings 105.8

Economists

- Total Positions 17,500
- Field Growth 5.1%
- Median Salary \$115,730
- Average Openings 1.0

Survey researchers

- Total Positions 9,700
- Field Growth -0.2%
- Median Salary \$60,960
- Average Openings 0.8

Social science research assistants

- Total Positions 37,500
- Field Growth 6.3%
- Median Salary \$56,400
- Average Openings 5.0

Economics teachers, postsecondary

- Total Positions 15,500
- Field Growth 3.5%
- Median Salary \$115,300
- Average Openings 1.2

Secondary school teachers, except special and career/technical education

- Total Positions 1,071,400
- Field Growth -0.6%
- Median Salary \$65,220
- Average Openings 64.0