Economics (BA/BS)

Do longer prison sentences lower crime rates? Does socialized medicine improve health outcomes? Do lower taxes pay for themselves? Economics affords the intellectual architecture needed to systematically address these types of questions. The economics discipline provides a rigorous framework for modeling how individuals and institutions make decisions, how these decisions shape our society, and how laws and policies can be designed to improve outcomes. This framework is implemented through advanced quantitative analysis, including statistical methods and data science, and can be used, quite simply, to change the world.

An economics degree indicates proficiency in data analysis, the modeling of behavioral patterns, the analysis of business practices, and the assessment of policy issues and challenges. Equipped with problem solving and analytical reasoning skills, undergraduate students in economics pursue careers in business, finance, data-science, law, government and many other paths, as well as advanced degrees in business, economics, law and public affairs. Economics majors also have the opportunity to complete a master's degree in economics (https://economics.uoregon.edu/masters/) in just one additional year following their undergraduate studies.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Be proficient in basic microeconomic and macroeconomic concepts.
- Be proficient in microeconomic analysis.
- Be proficient in macroeconomic analysis.
- Use economic data to examine empirical evidence of hypothesized relationships through statistical/econometric techniques.
- Apply the knowledge outlined in goals 1) through 4) to particular issues across various fields in economics.

Learning Outcome Explanations:

- Proficiency in basic microeconomic and macroeconomic concepts.
- Proficiency in microeconomic analysis. This builds on the microeconomic knowledge required in educational goal 1) and requires the ability to examine models of agents' decisions, including consumer utility maximization and firm profit maximization, using mathematical tools.
- Proficiency in macroeconomic analysis. This builds on the macroeconomic knowledge required in educational goal 1) and requires knowledge of theoretical models that explain fluctuations in output, employment, the price level, inflation, interest rates, and other macroeconomic variables, as well as the effect of monetary and fiscal policies on these macroeconomic outcomes.
- The ability to use economic data to examine empirical evidence of hypothesized relationships through basic statistical/econometric techniques.
- The ability to apply the knowledge outlined in goals 1) through 4) to particular issues across various fields in economics which may include, for example, environmental, international, labor, or urban economics.

Economics Major Requirements

Code	Title	Credits
EC 201Z & EC 202Z	Principles of Microeconomics and Principles of Macroeconomics [1]	8
MATH 241	Calculus for Business and Social Science I [1]	4
or MATH 251Z	Differential Calculus	
or MATH 261		
MATH 242	Calculus for Business and Social Science II [1]	4
or MATH 252Z	Integral Calculus	
or MATH 253Z	Calculus: Sequences and Series	
STAT 243Z	Elementary Statistics I [1]	4
or DSCI 102	Foundations of Data Science II	
or DSCI 345M	Probability and Statistics for Data Science	
or MATH 343	Statistical Models and Methods	
or MATH 345M	Probability and Statistics for Data Science	
or MATH 425	Statistical Methods I	
EC 311 & EC 313	Intermediate Microeconomic Theory and Intermediate Macroeconomic Theory [2,3,4]	8
EC 320 & EC 421	Introduction to Econometrics I and Introduction to Econometrics II [2,3]	8
or EC 423–424	Econometrics	
Economics courses numbered 300 or above [3,5]		28
Total Credits		**64**

1. Should be completed by the end of the sophomore year.
2. Should be completed by the end of the junior year.
3. At least 28 of the 44 required upper-division credits required for the major (i.e., EC 311 Intermediate Microeconomic Theory, EC 313 Intermediate Macroeconomic Theory, EC 320 Introduction to Econometrics I, EC 421 Introduction to Econometrics II, and the 28 required field course credits) must be taken at the University of Oregon
4. Students cannot receive credit for both EC 311 and FIN 311.
5. At least 20 credits in courses numbered 400 or above. No more than 8 of the 28 credits may be in courses numbered 401, 404, 405, 407, 408 or CAS 417; no more than 2 credits in course numbered 407 may count toward the 8 of the 28 credits.

Grades of C– or better in courses taken to satisfy major requirements.

Courses Offered Pass/No Pass Only

Code	Title	Credits
EC 401	Research: [Topic]	1-21
EC 404	Internship	1-4
EC 405	Reading and Conference: [Topic]	1-21
EC 408	Workshop: [Topic]	1-21

EC 320 Introduction to Econometrics I (or EC 423 Econometrics) is a prerequisite for almost all 400-level courses. EC 311 Intermediate Microeconomic Theory and sometimes EC 313 Intermediate Macroeconomic Theory are as well. Because MATH 242 Calculus for Business and Social Science II and Elementary Statistics I (STAT 243Z) are prerequisites for EC 320 Introduction to Econometrics I, it is important

for students to take those courses early. See the course listings for details on prerequisites.

Departmental Honors

Qualified students may apply to graduate with honors in economics. Two requirements must be met:

1. Completion of upper-division economics courses with at least a 3.50 grade point average
2. Completion of a research paper, written under the guidance of a faculty member, for 4 credits in EC 401 Research: [Topic]. A copy of the completed paper, approved by the faculty advisor, must be presented to the department by Friday of the week before final examinations during the term the student plans to graduate

Students interested in honors also should consider taking EC 418 Economic Analysis of Community Issues I and EC 419 Economic Analysis of Community Issues II. Instructor approval is required for EC 418–419. Students who intend to satisfy these requirements should notify the director of undergraduate studies early in the term in which they intend to graduate.

Four-Year Degree Plan

The degree plan shown is only a sample of how students may complete their degrees in four years. There are alternative ways. Students should consult their advisor to determine the best path for them.

Bachelor of Arts in Economics

Course	Title	Credits	Milestones
First Year			
Fall			
MATH 111Z	Precalculus I: Functions	4	math placement test
WR 121Z	Composition I	4	
Core-education course in social science		4	
First term of 1st-year second-language sequence		5	Language placement test
	Credits	**17**	
Winter			
EC 201Z	Principles of Microeconomics	4	
MATH 241 or MATH 251Z	Calculus for Business and Social Science I or Differential Calculus	4	
Core-education course in social science		4	
Second term of 1st-year second-language sequence		5	
	Credits	**17**	
Spring			
WR 122Z or WR 123	Composition II or College Composition III	4	Complete writing req
EC 202Z	Principles of Macroeconomics	4	
MATH 242 or MATH 252Z	Calculus for Business and Social Science II or Integral Calculus	4	
Third term of 1st-year second-language sequence		5	
	Credits	**17**	
Second Year			
Fall			
STAT 243Z	Elementary Statistics I	4	
EC 311	Intermediate Microeconomic Theory	4	
Core-education course in social science		4	
First term of 2nd-year second-language sequence		5	
	Credits	**17**	
Winter			
EC 313	Intermediate Macroeconomic Theory	4	
Core-education course in science		4	
Cultural literacy course in US: difference, inequality, agency or global perspective		4	
Second term of 2nd-year second-language sequence		5	
	Credits	**17**	
Spring			
EC 320	Introduction to Econometrics I	4	EC 311, 313, & 320 complete
Core-education course in arts and letters		4	
Cultural literacy course in US: difference, inequality, agency or global perspective		4	
Third term of 2nd-year second-language sequence		5	
	Credits	**17**	
Third Year			
Fall			
Upper-division EC course		4	
Core-education course in arts and letters		4	
Elective courses		8	
	Credits	**16**	
Winter			
EC 421	Introduction to Econometrics II	4	
Upper-division EC course		4	
Core-education course in arts and letters		4	
Elective course		4	
	Credits	**16**	
Spring			
Upper-division EC course		4	
Core-education course in arts and letters		4	
Elective course		4	
	Credits	**12**	
Fourth Year			
Fall			
Upper-division EC course		4	
Elective courses		8	
	Credits	**12**	
Winter			
Upper-divisioin EC courses		8	
Elective course		4	
	Credits	**12**	
Spring			
Upper-division EC course		4	

Elective courses		8
	Credits	**12**
	Total Credits	**182**

Bachelor of Science in Economics

Course	Title	Credits	Milestones
First Year			
Fall			
BA 101Z	Introduction to Business	4	
MATH 111Z or MATH 112Z	Precalculus I: Functions or Precalculus II: Trigonometry	4	
WR 121Z	Composition I	4	
Core-education course in arts and letters		4	
	Credits	**16**	
Winter			
EC 201Z	Principles of Microeconomics	4	
MATH 241 or MATH 251Z	Calculus for Business and Social Science I or Differential Calculus	4	
Core-education course in arts and letters		4	
Core-education course in social science		4	
	Credits	**16**	
Spring			
WR 122Z or WR 123	Composition II or College Composition III	4	
EC 202Z	Principles of Macroeconomics	4	
MATH 242 or MATH 252Z	Calculus for Business and Social Science II or Integral Calculus	4	
Core-education course in arts and letters		4	
	Credits	**16**	
Second Year			
Fall			
STAT 243Z	Elementary Statistics I	4	
EC 311	Intermediate Microeconomic Theory	4	
Core-education course in social science		4	
Core-education course in science		4	
	Credits	**16**	
Winter			
EC 313	Intermediate Macroeconomic Theory	4	
Core-education course in arts and letters		4	
Core-education course in science		4	
Cultural literacy course in US: difference, inequality, agency or global perspective		4	
	Credits	**16**	
Spring			
EC 320	Introduction to Econometrics I	4	
Core-education course in science		4	
Elective courses		8	
	Credits	**16**	
Third Year			
Fall			
Upper-division EC course		4	
Elective courses		8	
Cultural literacy course in US: difference, inequality, agency or global perspective		4	
	Credits	**16**	
Winter			
EC 421	Introduction to Econometrics II	4	
Upper-division EC course		4	
Elective courses		8	
	Credits	**16**	
Spring			
Upper-division EC course		4	
Elective courses		12	
	Credits	**16**	
Fourth Year			
Fall			
Upper-divison elective EC course		4	
Elective courses		8	
	Credits	**12**	
Winter			
Upper-division EC courses		8	
Elective course		4	
	Credits	**12**	
Spring			
Upper-division EC course		4	
Elective courses		8	
	Credits	**12**	
	Total Credits	**180**	