

# ECONOMICS OPTION

This option is available within the Data Science (<https://catalog.oregonstate.edu/college-departments/science/statistics/data-science-bs-hbs/>) major at the following location:

- Corvallis

The Economics option, created in collaboration with the department of Economics in the School of Public Policy, provides students with a foundation in economic theory and its real-world applications. This program is designed to equip students with essential analytical skills, foster critical thinking, and a solid understanding of how economic principles shape decision-making processes across various contexts.

## Option Code: A053

*Upon successful completion of the program, students will meet the following learning outcomes:*

- Explain key concepts and principles of microeconomic theory.
- Derive basic estimators and prove their properties, estimate economic models using data, test hypotheses, forecast, and interpret estimates.
- Apply economic theory to issues in fields of economics.

Code	Title	Credits
<b>Required Core</b>		
ECON 201Z	+*PRINCIPLES OF MICROECONOMICS	4
ECON 202Z	+*PRINCIPLES OF MACROECONOMICS	4
ECON 311	INTERMEDIATE MICROECONOMIC THEORY	4
ECON 424	INTRODUCTION TO ECONOMETRICS	4
<b>Electives</b>		
Select additional ECON courses with advisor approval <sup>1</sup>		8
<b>Total Credits</b>		<b>24</b>

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Baccalaureate Core course. Applies to general education requirements for undergraduate students in a catalog year up to 2024-2025

+

Core Education course. Applies to general education requirements for undergraduate students in catalog year 2025-2026 and beyond

<sup>1</sup>

A minimum of 15 upper-division credits are required in the option

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