

# MANAGERIAL ECONOMICS, MINOR

## College of Agricultural & Environmental Sciences

The Managerial Economics minor is 24 units of upper division ARE coursework, however, it also requires 28 units of preparatory coursework. All lower-division preparatory coursework must be completed with minimum C- (or PASS); however, STA 103 must be taken for a letter grade.

All courses to satisfy the minor must be taken for a letter grade, and students must attain a minor GPA of at least a C average (2.000). All upper division courses taken toward minor requirements will be calculated as part of the minor GPA, including courses with F grades that have not been repeated.

A total of two upper division courses (maximum 4 units each) may be taken through UC Study Abroad, all other courses must be taken in residence. Students must seek pre-approval from a Managerial Economics staff advisor for any international courses.

## Preparatory Coursework

Preparatory coursework units *do not count towards minor units*. The Managerial Economics Minor requires 28 units of preparatory coursework. All lower-division preparatory coursework must be completed with minimum C- (or PASS); STA 103 must be taken for a letter grade.

Code	Title	Units
<i>Economics</i>		<i>8</i>
ECN 001A	Principles of Microeconomics	
or ECN 001AV	Principles of Microeconomics	
or ECN 001AY	Principles of Microeconomics	
ECN 001B	Principles of Macroeconomics	
or ECN 001BV	Principles of Macroeconomics	
<i>Mathematics</i>		<i>12</i>
The preferred calculus series for Managerial Economics is MAT 019. The MAT 016 series is accepted if started prior to Fall 2024.		
Choose one series:		
MAT 019A	Calculus for Data-Driven Applications	
or MAT 019B	Calculus for Data-Driven Applications	
or MAT 019C	Calculus for Data-Driven Applications	
OR		
MAT 017A	Calculus for Biology & Medicine	
or MAT 017B	Calculus for Biology & Medicine	
or MAT 017C	Calculus for Biology & Medicine	
OR		
MAT 021A	Calculus	
or MAT 021B	Calculus	
or MAT 021C	Calculus	
<i>Statistics</i>		<i>8</i>
STA 013	Elementary Statistics	
or STA 013Y	Elementary Statistics	
or STA 032	Gateway to Statistical Data Science	

STA 103	Applied Statistics for Business & Economics	
<b>Total Units</b>		<b>28</b>

## Minor Requirements

Code	Title	Units
ARE 100A	Intermediate Microeconomics: Theory of Production & Consumption <sup>1</sup>	4
ARE 100B	Intermediate Microeconomics: Imperfect Competition, Markets & Welfare Economics	4
ARE 106	Econometric Theory & Applications	4
Choose 12 units from the following:		12
ARE 107	Econometrics for Business Decisions	
ARE 112	Fundamentals of Organization Management	
ARE/ECN 115A	Economic Development	
ARE 130	Agricultural Markets	
ARE 136	Managerial Marketing	
ARE 138	International Commodity & Resource Markets	
ARE 139	Futures & Options Markets	
ARE 143	Basics of Investing	
ARE 145	Farm & Rural Resources Appraisal	
ARE 146	Economics of Business Regulation	
ARE 150	Agricultural Labor	
ARE 155	Operations Research & Management Science	
ARE 156	Introduction to Mathematical Economics	
ARE 157	Analysis for Operations & Production Management	
ARE 165	Emerging Economies & Globalization	
ARE 171	Principles of Finance <sup>2</sup>	
ARE 172	Corporate Finance <sup>3</sup>	
ARE 173	Investments	
ARE/ESP 175	Natural Resource Economics	
ARE 176	Environmental Economics	
<b>Total Units</b>		<b>24</b>

<sup>1</sup>

Must be completed with a minimum grade of C-

<sup>2</sup>

Formerly ARE 171A discontinued

<sup>3</sup>

Formerly ARE 171B discontinued