Quantitative Concentration

Emphasizes the skills needed to analyze market data in fast-paced industries such as manufacturing, financial services, and advertising, and provides the technical training required to engage in consulting. There is also a continued need for quantitative economic analysis by lawyers, accountants, engineers, health service administrators, urban planners, and local, national, and international government agencies. The concentration prepares students for jobs that entail forecasting, market assessment, economic feasibility studies, commodity pricing and data analysis, and provides a solid foundation for graduate study in economics and business.

ECON 406 Applied Forecasting 4
ECON 408 Mathematical Economics 4

Approved Electives
Select from the following: 20

ECON 340 Advanced Econometrics
ECON 403 Industrial Organization
ECON 404 International Trade Theory
ECON 405 International Monetary Economics
ECON 409 Probability Models for Economic Decisions
ECON 431 Environmental Economics
ECON 432 Economics of Energy and Resources
IME 301 Operations Research I
IME 305 Operations Research II
MATH 143 Calculus III
MATH 206 Linear Algebra I
MATH 241 Calculus IV
MATH 242 Differential Equations I
MATH 244 Linear Analysis I
MATH 248 Methods of Proof in Mathematics
MATH 304 Vector Analysis
MATH 306 Linear Algebra II
MATH 344 Linear Analysis II
MATH 406 Linear Algebra III
MATH 408 Complex Analysis I
MATH 412 Introduction to Analysis I
MATH 413 Introduction to Analysis II
MATH 414 Introduction to Analysis III
MATH 416 Differential Equations II
MATH 418 Partial Differential Equations
MATH 437 Game Theory
MATH 451 Numerical Analysis I
MATH 453 Numerical Optimization
STAT 323 Design and Analysis of Experiments I
STAT 324 Applied Regression Analysis

Total units 28