ECONOMIC DATA ANALYSIS, UNDERGRADUATE MICROCREDENTIAL

The Economic Data Analysis microcredential is designed to equip students with essential skills for today's data-driven economy. This program provides hands-on training in econometric methods, statistical software, and practical data analysis techniques. Students will master key analytical techniques including regression analysis, economic forecasting, time series analysis, and panel data analysis. The program emphasizes practical application through empirical research assignments that mirror real-world scenarios in finance, consulting, government agencies, and public policy organizations. Upon completion, graduates will be well-prepared for lucrative career opportunities in diverse sectors including economic consultancy, banking, market research, and federal and state agencies, where economic data analysis skills are increasingly in high demand.

Requirements

Code	Title	Credits
Curriculum - Courses and Credits		
ECON 310	Introduction to Econometrics and Data Science	3
ECON 411	Economic Forecasting Methods	3
Total Credits		**6**

Economic Data Analysis Undergraduate Microcredential Learning Outcomes

By completing the microcredential, students will be able to:

- **Apply econometric methods:** Students will apply various econometric methods to analyze economic data, including regression analysis, time series analysis, and panel data analysis.
- **Gain hands-on experience:** Through empirical research assignments, students will apply their learning in practical settings, thereby gaining hands-on experience that is directly applicable to careers in data analytics and economic research.
- **Show software proficiency:** Students will become proficient in using statistical software packages commonly used in econometrics, which are essential tools for conducting data analysis and econometric modeling.