

UMSL Certificate in Applied Econometrics & Data Analysis

ABOUT THE PROGRAM

The Certificate in Applied Econometrics is designed to prepare students to perform applied econometric analysis in a variety of professional settings: banks, telecomm companies, consulting firms, etc. Those with economics degrees are in high demand in a large number of occupations in business and government; individuals with advanced econometrics skills who understand how to apply these techniques in real-world settings are in even higher demand.

The Certificate may be of greatest interest to those pursuing an undergraduate degree with a quantitative focus (economics, applied math, and selected students from other social sciences). The Certificate may also be useful to those who have completed an undergraduate degree and seek coursework in this area. Lastly, students working on the Actuarial Certificate may find this Certificate to be a useful complement.

CURRICULUM HIGHLIGHTS

The Certificate consists of six courses; three of which are required. The other three courses can be selected from specified elective courses. At least four of these courses must be completed in residency at UMSL.

COURSEWORK

Required courses (three):

ECON 4100, Introduction to Econometrics
ECON 4110, Applied Econometrics

AND

ECON 4120, Time Series Econometrics for Economics and Finance, **OR**
ECON 4130, Business and Economic Forecasting

Electives courses (three needed):

ECON 4040, Analysis of Business Cycles
ECON 4120, Time Series Econometrics for Economics and Finance (*if not used above*)
ECON 4130, Business and Economic Forecasting (*if not used above*)
ECON 4160, Geospatial Analysis in the Social Sciences

LOG OM 4312, Business Forecasting (may not be used with ECON 4130)

MATH 4200, Mathematical Statistics I

MATH 4210, Mathematical Statistics II

POL SCI 4040, Survey Research Practicum

PSYCH 4365, Psychological Tests and Measurements

SOC 4040, Survey Research Practicum

SOC 4331, Qualitative Methods in Social Research

(Note that virtually all of the courses in the Certificate have prerequisites that the student must complete before taking the selected courses.)

PLACEMENTS

While the Certificate in Applied Econometrics is new, starting Fall 2013, the UMSL Department of Economics has an excellent track record of placing students in quantitative and analyst positions.

Employers:

Aspire Consulting, AT&T, Boeing, Caterpillar, Centene Corporation, Energizer, Ernst & Young, Express-Scripts, Federal Reserve Bank of St. Louis, Isle of Capri, Maritz, MasterCard, Mattson Jack, Monsanto, Ralcorp Holdings, RubinBrown, State of Missouri, UniGroup, US Bank, Wells Fargo

FOR MORE INFORMATION

Visit the UMSL Econ homepage at:
<http://www.umsl.edu/~econ/>

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