

# Attention **UMSL** Undergraduate Economics BS Students: Further Distinguish Yourself and Impress Would-be Employers with a Certificate in Applied Econometrics and Data Analysis

## ABOUT THE CERTIFICATE

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. Individuals with advanced econometrics skills who understand how to apply these techniques in real-world settings are in high demand.

## IS THE CERTIFICATE FOR ME?

Yes, if you are planning to complete a *minimum of three econometrics courses*. The Certificate may (in principle) be earned with no additional courses required beyond the BS; for most students, however, one to three additional courses may be required to satisfy both the requirements of the BS and the Certificate. Careful selection of Economics electives in the BS will minimize the number of extra courses needed for the Certificate.

## CURRICULUM HIGHLIGHTS

The Certificate requires completion of 6 courses, 3 required and 3 from a specified set. At least four of these courses must be completed in residency at UMSL.

## CERTIFICATE 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):

**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  
**MATH 4200**, Mathematical Statistics I  
**MATH 4210**, Mathematical Statistics II  
**LOG OM 4312**, Business Forecasting (may not be used with ECON 4130)  
**POL SCI 4040**, Survey Research Practicum  
**SOC 4040**, Survey Research Practicum  
**SOC 4331**, Qualitative Methods in Social Research  
**PSYCH 4365**, Psychological Tests and Measurements courses must be completed in residency at UMSL.

*(Note that most of these courses have prerequisites that must be completed prior to enrolling.)*

## PLACEMENTS

While the Certificate in Applied Econometrics only just started, in 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, East-West Gateway, Energizer, Ernst & Young, Express-Scripts, FBI, Federal Reserve Bank of St. Louis, Isle of Capri, Maritz, 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/>

For more information, contact Undergraduate Advisor Mike Allison: [allison@umsl.edu](mailto:allison@umsl.edu) or (314) 516-5306  
Department Chair Don Kridel: [kridel@umsl.edu](mailto:kridel@umsl.edu) or (314) 516-5553.