

APPLIED SOCIAL RESEARCH, CERTIFICATE

REQUIREMENTS

REQUIREMENTS

The Applied Social Research certificate requires a minimum of 15 credits. Students must complete a separate course for each requirement below.

Code	Title	Credits
Statistics (complete one course):		3
SOC/ C&E SOC 361	Statistics for Sociologists II	
ECON 400	Introduction to Applied Econometrics	
ECON 410	Introductory Econometrics	
STAT 333	Applied Regression Analysis	
STAT 340	Data Science Modeling II	
Data Management (complete one):		3
SOC/ C&E SOC 365	Data Management for Social Science Research	
A A E/ECON 421	Economic Decision Analysis	
Research Electives		6
Complete at least 6 credits with a minimum of 3 credits in SOC		
SOC 351	Introduction to Survey Methods for Social Research	
SOC 362	Statistics for Sociologists III	
SOC 575	Sociological Perspectives on the Life Course and Aging	
SOC/AMER IND/ C&E SOC 578	Poverty and Place	
SOC/ C&E SOC 618	Social Network Analysis	
SOC 633	Social Stratification	
SOC 674	Demographic Techniques I	
A A E/ECON 526	Quantitative Methods in Agricultural and Applied Economics	
A A E/ECON 421	Economic Decision Analysis	
COMP SCI 320	Data Science Programming II	
INFO SYS 371	Technology of Computer-Based Business Systems	
MATH 415	Applied Dynamical Systems, Chaos and Modeling	
MATH/ISY E/ OTM/STAT 632	Introduction to Stochastic Processes	
MARKETNG 310	Marketing Research	
POLI SCI 305	Elections and Voting Behavior	
POLI SCI 515	Public Opinion	
PSYCH 225	Research Methods	

STAT 303	R for Statistics I
STAT 304	R for Statistics II
STAT 305	R for Statistics III
STAT 349	Introduction to Time Series
STAT 351	Introductory Nonparametric Statistics
STAT 411	An Introduction to Sample Survey Theory and Methods
STAT 421	Applied Categorical Data Analysis
STAT 436	Statistical Data Visualization
STAT/B M I 642	Statistical Methods for Epidemiology
STAT 405	Data Science Computing Project
STAT 575	Statistical Methods for Spatial Data
ED POL 601	Research and Evaluation for Equity
ED POL 605	Using Secondary Data: Applied Quantitative Analysis
ED POL 688	Introduction to Survey Methods for Education Research

Capstone

SOC/C&E SOC 693	Practicum in Analysis and Research	3
-----------------	------------------------------------	---

Total Credits **15**

RESIDENCE AND QUALITY OF WORK

- At least 8 certificate credits must be completed in residence.
- Minimum 3.000 GPA on all certificate courses.

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.