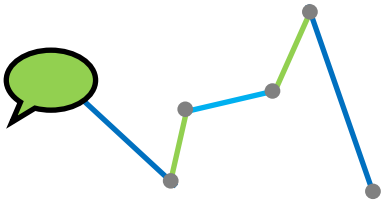

QUANTITATIVE RESEARCH ANALYTICS IN THE SOCIAL SCIENCES | CERTIFICATE

24 Credits required from the six component areas below

Probability and Introductory Statistics *choose one*

*ANTH 5230 | Introduction to Statistical Thinking in Anthropology

*ECON 3640 | Probability and Statistical Inference for Economists

FCS 3210 | Statistics in Family and Consumer Studies

*GEOG 3020 | Geographical Analysis

*POLS 5001 | Quantitative Analysis in Political Science

*PSY 3000 | Statistical Methods in Psychology

SOC 3112 | Social Statistics

SOC 6120 | Statistics I

Implementing Statistical Analyses *choose one*

*ECON 4650 | Principles of Econometrics

*FCS 5120 | Demographic Methods

GEOG 1180 | Introduction to Geo-Programming **OR**

COMP 1010 | Programming for All 1

*GEOG 5180 | Geoprocessing with Python

GEOG 5680 | Introduction to R Programming

*STAT 5003 | Survey of Statistical Computer Packages

Research Methodology *choose two from different areas*

Experimental Designs

*PSY 3010 | Research Methods in Psychology

FCS 3200 | Research Methods in Family and Consumer Studies

POLS 3001 | Political Analysis

SOC 3111 | Research Methods

SOC 3673 | Social Epidemiology

Geospatial Analyses

*GEOG 3100 | Introduction to GIS and Cartography

GEOG 3170 | Geospatial Field Methods: GPS and Drones

*GEOG 5150 | Spatial Data Design for GIS

*GEOG 5190 | GIS for Environmental and Public Health

Demographic & Survey Methods

*FCS 5700 | Analyzing Community Growth: An Evidence-based Approach

*FCS 5120 | Demographic Methods

Field Work, & Observation

*ANTH 4169 | Ethnographic Methods

CMP 4010 | Field Studies in Urban Ecology I

Additional Expertise *choose two*

*ANTH 5485 | Graphical Data Analysis

ANTH 5850 | Quantitative Analysis of Archaeological Data

*ANTH 4250 | Spatial Analysis in Anthropology

*ANTH 5221 | Human Evolutionary Genetics

*COMP 5360 | Introduction to Data Science

*ECON 4650 | Principles of Econometrics

*ECON 4660 | Statistical Tools for Applied Economics Research

*ECON 4670 | Economics Research in the Community

*GEOG 5020 | Geographical Analysis

*GEOG 3100 | Introduction to GIS and Cartography

*GEOG 4140 | Advanced Methods in GIS

*GEOG 5160 | Spatial Modeling and Geocomputation

*GEOG 5150 | Spatial Data Design for GIS

*MATH 4100 | Introduction to Date Science

*POLS 3002 | Quantitative Approaches to International Relations

*PSY 5250 | Applied Statistics

*PSY 5499 | Introduction to Quantitative Methods

*PSY 5500 | Quantitative Methods I

*PSY 5510 | Quantitative Methods II

SOC 3650 | Population and Society

Communication *choose one*

*PSY 3010 | Research Methods in Psychology

*WRTG 3012 | Writing in the Social Sciences

*WRTG 3014 | Writing in the Sciences

*WRTG 3015 | Professional Writing

Capstone Experience *one course*

See certificate advisor for recommendations

Certificate Policies | 9 credits must be completed outside of the primary major. All courses must be completed with a C– or higher and a GPA of 2.8. ***You must still meet the grade requirement for your primary major for a course to apply in the major.***

For more information or to declare, contact:

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