

# RESEARCH METHODOLOGY, GRADUATE MINOR

Saint Louis University offers a graduate minor in research methodology designed to provide students with a background in advanced analysis and methods.

Administered through Saint Louis University's Department of Sociology and Anthropology (<https://www.slu.edu/arts-and-sciences/sociology-anthropology/>), the minor is open to all students and can be tailored to meet students' own disciplinary program needs.

Elements of the minor are developed by consensus between students, their advisor/mentor and the graduate director in the Department of Sociology and Anthropology.

## Curriculum Overview

SLU's graduate minor in research methodology consists of (with prerequisites) five courses: a basic, quantitative statistics/analysis course; two advanced quantitative analysis courses; and two advanced research methodology courses.

Students may petition to include additional courses by submitting a copy of the syllabus for such courses. Upon approval, these courses can also be included in the minor. At least 80% of the courses included in the minor must be taken at Saint Louis University and all courses must be graded courses; no pass/fail or satisfactory/unsatisfactory coursework will be accepted.

## Admission Requirements

To be admitted to this minor program, students must be seeking a degree in a Saint Louis University graduate program. They must have taken a general research methodology course prior to admission to the minor. This must be a basic introductory course that provides an overview of all major forms of research methodology and design. This prerequisite serves as a foundation for all other courses taken in this minor.

To add the research methodology minor, contact the coordinator of the graduate research methodology minor. A petition to amend the graduate program ([https://www.slu.edu/academics/graduate/current-students/forms-petitions/petition\\_to\\_amend\\_grad\\_program\\_form.pdf](https://www.slu.edu/academics/graduate/current-students/forms-petitions/petition_to_amend_grad_program_form.pdf)) along with an academic plan for the minor must be completed and submitted to the associate graduate dean/director of the college, school or center appropriate for the student. Upon completion of the minor requirements, it will be noted as a "Minor in Research Methodology" on the academic transcript.

Students are encouraged to discuss the possibilities of the minor with their advisor/mentor, or they can contact the graduate director in the Department of Sociology and Anthropology, allowing them to build a minor that is best suited for their own needs and the goals of their major program.

## Requirements

The research methodology minor is administered through SLU's College of Arts and Sciences (<https://www.slu.edu/arts-and-sciences/>). It is composed of at least 15 credits that include a basic statistical analysis course, two courses in advanced methodology and two courses in advanced analysis.

Courses that fulfill these categories come from a wide variety of departments across the University.†

- **Cluster I:** Core course. All students must take an introductory inferential statistics course.

Code	Title	Credits
Choose one of the following courses to meet the basic statistical analysis course requirement.		
BST 5020	Theory of Biostatistics	3
CAD 5050	Introduction to Statistical Inference	
EDR 5100	Intro to Inferential Stats: Ed	
NURS 6805	Introduction to Applied Statistics for Healthcare Research	
ORES 5010	Introduction to Biostatistics for Health Outcomes	
PSY 5790	Applied Univariate Statistics in Behavioral Science	
SOC 5015	Quantitative Research Methods	

- **Cluster II:** Advanced methodology and design courses. A student would select at least two courses from this cluster.

Code	Title	Credits
Choose any two courses from this list to meet the advanced methodology requirement.		
BST 5400	Applied Data Management	6
BST 5420	Sampling Theory and Survey Design in Public Health	
CMM 5810	Digital Storytelling	
CMM 5820	Advanced Research Methods	
EDR 5500	Evaluation of Education Programs	
EDR 6150	Single Subject Experimental Research Design	
EDR 6400	Advanced Qual Research for Ed	
GIS 5010	Introduction to Geographic Information Systems †	
MFT 6140	Interpretive Phenomenology	
NURS 6809	Quantitative Methods in Nursing Research	
ORES 5160	Data Management and Programming in Healthcare	
ORES 5410	Evaluation Sciences	
ORES 5260	Pharmacoepidemiology	
ORES 5440	Comparative Effectiveness Research	
ORLD 5020	Applied Research Methods	
SLHS 5050	Research for the Clinician	
SOC 5530	Urban Ethnography	
SOC 5650	Principles and Methods of GIScience †	
SOC 5750	Qualitative Analysis, Grounded Theory Method	
SOC 5800	Survey Design & Sampling	
SOC 5850	Policy Evaluation and Assessment	
SWRK 5774	Measurement & Experimental Design	
WGST 5050	Program Evaluation	

‡ GIS 5010 Introduction to Geographic Information Systems and SOC 5650 Principles and Methods of GIScience are the same course. Only one of these can count toward this requirement.

- **Cluster III:** Advanced statistics/analysis courses. A student would select at least two courses from this cluster.

Code	Title	Credits
Choose any two courses from this list to meet the advanced analysis requirement.		6
BIOL 5780	Molecular Phylogenetic Analysis	
BST 5100	Introduction to General Linear Modeling	
BST 5200	Survival Data Analysis	
BST 5210	Categorical Data Analysis	
BST 5220	Multilevel and Longitudinal Data Analysis	
BST 5230	Bayesian Statistics	
BST 6100	Causal Inference	
BIOL 5190	Geographic Information Systems in Biology	
EDR 6060	Research Design and Analysis	
EDR 6100	Intermediate Applied Statistics for Education	
EDR 6500	Multilevel Regression Models	
HDS 5320	Inferential Modeling	
NURS 6802	Measurement of Nursing Variables	
ORES 5150		
ORES 5400	Pharmacoeconomics	
ORES 5430	Health Outcomes Measurement	
ORLD 5030	Applied Analytics	
PSY 6500	Applied Multivariable and Multivariate Statistics in Behavioral Science	
PSY 6600	Structural Equations Modeling	
SOC 5640	Demographic Methods, Analysis, and Public Policy	
SOC 5670	Spatial Demography – Applied Spatial Statistics	
SOC 6100	Regression Analysis & Non-linear Models	
SWRK 6030	Multivariate Data Analysis	

While 15 credits are required, students may take more courses and get credit for them. In order for the minor to be listed on an official University transcript, students must complete the Petition to Amend the Graduate Program ([https://www.slu.edu/academics/graduate/current-students/forms-petitions/petition\\_to\\_amend\\_grad\\_program\\_form.pdf](https://www.slu.edu/academics/graduate/current-students/forms-petitions/petition_to_amend_grad_program_form.pdf)).

† Substitutions of coursework can only be made with the prior approval of the student's mentor and the coordinator of the research methodology minor program.

## Continuation Standards

Students must maintain a cumulative grade point average (GPA) of 3.00 in all graduate/professional courses.

## Contact Us

For more information about the research methodology minor, please contact:

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