

# MASTER OF COMPUTATIONAL SOCIAL SCIENCE (MaCSS)

## WHY MaCSS?

Do you have a degree in a social science? In one year, our program will teach you to integrate social science knowledge with statistical training and computational skills to solve real-world problems.

MaCSS will give you practical skills in analyzing and interpreting social data—data about people, communities, organizations, and their interactions—and prepare you for a job as a data analyst in business, government, or the nonprofit world.

## DATA STORIES ARE HUMAN STORIES

We believe social scientists make good data analysts. Jobs that require people to analyze data and interpret their findings are growing rapidly. But current approaches to data analysis often overlooks crucial considerations surrounding privacy, bias, inequalities, and accessibility, and the impact on individuals and their communities.

Recognizing these considerations requires strong skills in statistics, computing, and the social sciences. The integration of social science with computing and statistics differentiates MaCSS from other data science and analytics graduate programs.



## COMPUTING TOOLS & TECHNIQUES

Learn programming languages, version control, and machine learning using datasets to understand social behavior with (mostly) statistical analysis.



## STATISTICAL METHODS

Apply statistical techniques to datasets in order to answer real-world questions, using computing tools and guided by social-science frameworks.



## SOCIAL SCIENCE THEORIES

Examine social science concepts through immersion in datasets using computational tools and statistical techniques.



## PRACTICAL APPLICATION

Our focus on practical application allows students to tackle real-world and on the job scenarios that require both nuanced analysis and collaborative leadership skills.



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## MaCSS CAREERS

The MaCSS program makes career training and job placement a core part of the curriculum. In addition to giving you the tools for better data analysis, we want to help you find the best place to use them.

Increasing demand for jobs that require masters degrees in data and computational social science, places MaCSS graduates at a huge advantage in the job market.

With two required career development courses and dedicated career staff, MaCSS graduates will be prepared for qualified for in-demand positions, including:

- Data Analyst
- Business Intelligence Specialist
- Product Analysis Specialist
- People Data Analyst
- Client Services Analyst
- UX/UI Researcher
- Marketing Strategy Specialist



## MaCSS ADMISSIONS

### Application Deadlines:

- **Monday, January 8, 2024 (deadline for fellowships)**
- **Friday, March 1, 2024**

We are looking for undergraduate students in their final year of study and early career professionals who are eager to learn new statistical and computing tools and techniques to generate new insights into social data.

Ideal applicants should have an undergraduate degree (or its equivalent) in a social science discipline, and be curious and insightful, with the demonstrated ability to work collaboratively with people from diverse backgrounds.



## MaCSS CURRICULUM

In one year, you can earn a master's degree that positions you for a lifetime of career opportunities.

Our interdisciplinary curriculum provides students with rigorous training in statistical and computational methods using social science frameworks. MaCSS places an emphasis on industry application, teaching students how to approach problems using current real-world data.

### Summer Boot Camp:

- Introduction to applied statistics
- Introduction to computing

*Students can waive out of the boot camp by passing MaCSS exams in statistics and computing methods.*

### The one-year MaCSS curriculum includes:

- Social-science frameworks
- Applied statistics
- Advanced computational tools
- Ethics, societal conflicts, and data
- Data visualization
- Career development
- Capstone project

## OUR COMMITMENT TO DEI



The MaCSS program seeks to create a diverse pathway into data-centric professions by bringing together students from different socioeconomic and ethno-racial groups, various gender identities, and other underrepresented groups.