

# SURVEY AND DATA SCIENCE, MASTER OF PROFESSIONAL STUDIES (M.P.S.)

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**Non-thesis only:** 30 credits required

The online *International Master of Professional Studies in Survey and Data Science* will provide post-baccalaureate training for individuals interested in broadening their knowledge and understanding of the emerging field of data science, the conduct of sample surveys, practical applications of data analysis and survey methodology, and data management, along with the skills needed to communicate results.

Survey methodology, which is already an interdisciplinary field drawing upon statistics, sociology, economics, political science, informatics, public health (e.g., physical measures taken on respondents), and the geographic sciences (e.g., geographic information systems), is now intersecting with the big data world. As public and private organizations are increasingly combining various data sources, including survey data, for the purpose of decision making, the need for professional development in data generation, quality and analysis is on the rise. The online environment is convenient for working professionals who cannot easily travel to a traditional campus. In addition, courses will be shared with our international partners, providing a rich perspective to class discussions.

Course	Title	Credits
Required course		
SURV400	Fundamentals of Survey and Data Science	3
Data Generating Processes (choose 4 credits)		4
Data Curation and Storage (choose one course)		3
Data Analysis (choose 6 credits)		6
Data Output/Access (choose 3 credits)		3
Electives		11
<b>Total Credits</b>		<b>30</b>