The Data and Decisions Pathways Minor curriculum is intended to help shape the students of today. Today’s students are tomorrow’s doctors, lawyers, politicians, industrial leaders, patients, parents, volunteers, neighbors, etc. who will make important decisions that will impact both themselves and our society. To make these decisions, data serve as an important resource for gathering “objective” information and evaluating risk from multiple perspectives. It is our obligation as an educational institution to develop students who can think critically and use data responsibly to formulate judgements beyond their personal inferences/preferences.

This minor offers an opportunity for all students, regardless of major, to learn and apply fundamental concepts related to data and decisions.

**CORE REQUIREMENTS**

(9 CREDITS)

**BDS 2005**
Fundamentals of Behavioral Decision Science
Core outcome: Reasoning in the Social Sciences
Integrative outcome: Ethical Reasoning

**CMDA 2014**
Data Matter
Core outcome: Quantitative and Computational Thinking
Integrative outcome: Ethical Reasoning

**BIT/MGT 4854**
Analytics in Action
Core outcome: Discourse
Integrative outcome: Intercultural and Global Awareness

**RESTRICTED ELECTIVES**

(9 CREDITS)

- ACIS 1504
  Introduction to Business Analytics & Business Intelligence
- CS 1014
  Introduction to Computational Thinking
- FREC 1004/GEOG 1084
  Digital Planet
- HIST/SOC/STS 2604
  Introduction to Data in Social Context
- STAT 1014
  Data in our Lives
- SPIA 2005 & 2006 (each 1-credit)
  Introduction to Urban Analytics
- SPIA 2104 (1-credit)
  Urban Analytics for Decisions-Making
- FREC 3004
  Environmental Informatics
- GEO/SOC/STS 4354
  Introduction to Remote Sensing
- STAT 3604
  Statistics for Social Sciences
- PSCI 2024
  Research Methods in Political Science
- SOC/HD 2104
  Quantitative Approaches to Community Research
- SOC 3204
  Social Research Methods
- UAP 3024
  Urban and Regional Analysis
- HIST 3774
  Digital History
- BIT 3434
  Advanced Modeling for Business Analytics
- BIT 4604
  Data Governance, Privacy and Ethics

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