

# ANALYTICS AND DECISION SCIENCES



Minor



Specialization or Major

*Coming Soon (anticipated Fall 2025)*

## Why Choose Our Analytics and Decision Sciences?

Analytics and Decision Sciences (ADS) is an interdisciplinary minor that focuses on the crucial intersection between data and decision-making. In today's data-driven world, the ability to analyze information effectively is essential for success in various fields.

ADS will equip you with the skills to connect the mathematical, statistical, and computational realms with real-world problems in management and social sciences. By blending theory with practical applications, this minor empowers you to make informed decisions backed by data.

You can combine this minor with any major, specialization or honours specialization at any Western campus (King's, Huron, or Main) to create a more customized degree program.

## PROGRAM HIGHLIGHTS

### 1. Interdisciplinary Curriculum:

Analytics and Decision Sciences is an interdisciplinary program that combines Statistics, Mathematics, Economics, Management, Philosophy and Psychology.

### 2. Expert Faculty:

Learn from faculty who are dedicated educators and researchers. Our professors bring a wealth of experience from the private and public sectors, ensuring you receive practical insights and expertise.

### 3. Unique Program Building Unique Skills = Employability:

In addition to studying the “analytical mindset” that empowers general problem-solving ability, you will also gain an employable mathematical and computational skillset, including programming in Python and R, plus advanced expertise in Excel.

You will learn by doing, which is especially valuable when what we do in the classroom is cutting edge.

You will learn through business applications of machine learning, optimization, simulation, data visualization, risk management, forecasting and more.

This program will set you up for an in-demand analytics career in any area of business and management.





### First Year Courses:

In first year, full-time students pursuing a Analytics and Decision Sciences module typically take 3.0 principle courses and 2.0 electives:

- 1.0 course Economics 1021A/B Micro Economics and Economics 1022A/B.
- 0.5 course from Mathematics 1229A/B (Matrix Algebra) or Math 1600A/B (Linear Algebra I)
- 0.5 course from Mathematics 1230A/B (Calculus for Social Science) or Calculus 1000A/B (Calculus I)
- 0.5 course MOS 1033A/B Information Technology in the Commercial Environment
- 1.0 course Psychology 1000 or 1000W/X Intro to Psychology
- 1.5 additional courses

Students without MCV4U can be admissible to an ADS program by taking Mathematics 0110A/B (Introductory Calculus) prior to Mathematics 1230A/B or Calculus 1000A/B.

### Career and Pathway Opportunities:

Graduates of our Analytics and Decision Sciences are well-prepared for a variety of roles, including:

- Analyst (Business, Sports, Healthcare Data, Operations, Financial)
- Digital Marketing Management
- Transportation Logistics Management
- Market Research
- Process Improvement Analyst
- Forecasting/Planning Analyst
- Business Intelligence Analyst
- Election/Campaign Analyst
- Resource Planning Analyst
- Public Policy Analyst
- Global Business Consulting
- Commercial Account Managers

Many also go on to graduate studies, with recent graduates achieving a particularly high acceptance rate to the Ivey MSc in Business Analytics.

# KING'S UNIVERSITY SMALL CAMPUS. BIG EXPERIENCE.



## APPLY NOW!

Visit us online for application details, admission requirements, and program deadlines.

### LEARN MORE

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