Grow your career.
Level up for the future.

Masters Certificate in

Analytics and AI for Leaders

Schulich School of Business Executive Education | **YORK U**

In partnership with: **Sobey School of Business** Saint Mary's University

Masters Certificate in Analytics and AI for Leaders

Empower your leadership with our master certificate in AI, analytics for leaders.

This comprehensive program ensures that you not only understand the latest technologies but also have the practical skills to lead effectively in the dynamic world of Artificial Intelligence (AI) and analytics. Join us on this transformative journey and position yourself as a well-rounded leader in the digital age.

Grow your career.
Level up for the future.

9 days of study over 3 months + supplementary readings and coursework

Book this program online

Masters Certificate in Analytics and AI for Leaders

Are you ready to step into the future of leadership, armed with cutting-edge skills in artificial intelligence (AI), advanced analytics, and generative language models? Our Masters Certificate in Analytics and AI for Leaders is designed to equip you with the knowledge and expertise needed to lead with confidence in the ever-evolving digital landscape.

Our program offers a unique blend of expert-led courses and a real-world Capstone Project, ensuring you gain both theoretical knowledge and practical skills. With top-notch instructors in each field, you'll be learning from the best.

Dive into the four pillars of AI, Analytics, Leadership and Cybersecurity.

9 days of study over 3 months + supplementary readings and coursework

Book this program online

Program Highlight

9 Days of Study
Complete the full Masters Certificate program in 9 days of study, spread over 3 months, or just take the modules you need.

Advancing Your Career
Gain a multidisciplinary perspective of AI, Analytics, Leadership, and Cybersecurity and learn effective ways to implement these insights as a business leader.

Capstone Project
Gain real-world and hands-on experience through a Capstone Project that challenges and fortifies your problem-solving and leadership abilities.

Digital Badge
Receive an authentic digital badge from Canada's #1 business school.

Program Faculty

Learn from the best.

Murat Kristal, PhD

Program Director

David Elsner
MBA

Victor Garcia
MBA

George Georgopolous
MA, PhD

Tarun Rihal
MBA, MSc, SSBB

Hemant Sangwan
PhD

Karthik Kuber,
PhD

Shane Saunderson
PhD, MBA, B.Eng.

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Saint Mary's University

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It's critical for executives and leaders today to have a good understanding of data and analytics beyond just using the buzzwords. This program gives participants a well-rounded perspective of the subject and positions them to have more influence in changing or transforming their organizations with data.

Dominic Parent
Canadian Coast Guard

Excellent program with lot of insights on how to manage the Analytics project efficiently and effectively.

Nidhi Sethi
Scotiabank

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0 CAP - Certified Analytics Professional Program (CAP) Registered Education Provider

Program Content

Artificial Intelligence (AI) for Modern Businesses

Jumpstart the program with an introduction to AI and machine learning. Then, delve into the application of advanced machine learning techniques; AI strategy and implementation; and generative large language models and their impact on business.

Course 1: Introduction to AI and Machine Learning

- Session 1: Understanding AI Fundamentals
- Session 2: Machine Learning Basics
- Session 3: Applications of AI in Business

Course 2: Application of Advanced Machine Learning Techniques

- Session 1: Mining Data and Finding Signals in Noise
- Session 2: Forecasting the Future & Predicting the Unseen
- Session 3: Leveraging Unstructured Data

Course 3: Generative Large Language Models and their Impact on Business

- Session 1: Introduction to Generative Language Models
- Session 2: Multimodal Generative Language Models
- Session 3: Ethical Considerations and Best Practices

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Program Content

Analytics for Organizational Success

Embark on a journey through data analytics fundamentals. After you've mastered the basics, jump into big data and advanced analytics. Touch on topics like data visualization, predictive analytics, machine learning on big data, and big data technologies.

Course 1: Data Analytics Fundamentals

- Session 1: Introduction to Data Analytics
- Session 2: Data Visualization and Dashboard Creation
- Session 3: Predictive Analytics and Modeling

Course 2: Big Data and Advanced Analytics

- Session 1: Introduction to Big Data Technologies
- Session 2: Machine Learning on Big Data
- Session 3: Real-time Analytics and Streaming Data

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Program Content

Leading in the Age of AI, Technology and Analytics

Learn to be a leader in the age of AI. Dive into managing AI and analytics projects; cybersecurity for leaders and digital transformation strategies.

Course 1: Leadership in the Age of AI

- Session 1: AI's Impact on Leadership and Organizations
- Session 2: Leading AI-Driven Teams
- Session 3: Ethical Leadership in AI

Course 2: Managing AI and Analytics Projects

- Session 1: Project Management for AI and Analytics Initiatives
- Session 2: Risk Management in AI Projects
- Session 3: Scaling AI and Analytics Solutions

Course 3: Cybersecurity for Leaders

- Session 1: Understanding Cybersecurity Threats and Risks
- Session 2: Cybersecurity Strategy and Governance
- Session 3: Leading a Cyber-Resilient Organization

Course 4: Digital Transformation Strategy

- Session 1: Digital Transformation Fundamentals
- Session 2: Human-Centric AI Design
- Session 3: Digital Roadmaps & Change Management

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Program Content

Capstone Project: Integrating AI, Analytics, Cybersecurity, and Digital Transformation

- Work on a real-world project and use AI, analytics, cybersecurity, digital transformation strategies, and generative language models to address a complex business challenge.

- Sharpen your leadership skills in project management, ethics, and effective communication.

Who Will **Benefit**

Mid-Career Leaders

Managers across various roles—such as business intelligence and analysis, analytics and data—will learn to leverage data insights and make impactful business decisions with accuracy.

Senior Leaders

Directors and other senior leaders will strengthen their data fluency and learn advanced concepts for successful corporate strategies and organizational growth.

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Why a Certificate at Executive and Professional Development?

There will no longer be a single transition from graduation to work in one's life.

Because few of us have the same job for life, we constantly have to re-invent ourselves, learn new skills and adapt to the changing marketplace and business environment. Today's professionals and executives must be able to quickly develop and fine-tune personal business skills to adapt and grow.

We are in partnership with the #1 Business School in the country
Schulich has the privilege of being ranked #1 and teaches students from around the world.

Our Program is Unique
Distinction from growing competition in the job market.

We Provide a Combination of Skill Specialization & Range
Deepen your current skills and acquire new ones.

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