Earn the credentials you need for the career you want, with a highly specialized 12-month Masters program.

Shape Your Future

The global business landscape is hyper-competitive, turbulent and complex. Managing effectively requires more than well-honed technical skills. It requires resiliency, tenacity, and fresh, new thinking. It requires the ability to explore a problem from multiple perspectives, to reframe it, and push through to actionable solutions.

At the Schulich School of Business, we have developed seven distinct full-time, 12-month Masters programs that will equip you to thrive in this new business paradigm; one that our School illustrated in the groundbreaking book *Re-Imagining Capitalism* published in collaboration with McKinsey & Company.

These programs strengthen your technical expertise and enhance your leadership skills. Gain hands-on experience at one of our cutting-edge labs and research hubs at our new Rob & Cheryl McEwen Graduate Study and Research Building. The building is home to our Centres of Excellence where we are global leaders in industries of the future, including business analytics, infrastructure and artificial intelligence.

Chart a course to achieve your career objectives with a Schulich 12-month Masters degree.

Dezsö J. Horváth, PhD, CM
Dean & Tanna H. Schulich Chair in Strategic Management
Schulich School of Business

**MBAN**
**MASTER OF BUSINESS ANALYTICS**
Become an expert in the booming field of Big Data and gain a competitive advantage by earning a SAS™ certification.

**MAcc**
**MASTER OF ACCOUNTING**
Position yourself for a challenging career in accounting with the CPA-Accredited MAcc, an intensive program that prepares graduates to write the Common Final Examination upon graduation.

**MMKG**
**MASTER OF MARKETING**
Equip yourself for the dynamic world of marketing as you master state-of-the-art tools and grow your literacy in analytics, advertising and consumer behaviour.

**MF**
**MASTER OF FINANCE**
Gain access to a career in investment banking, risk or asset management and cover a significant portion of the CFA body of knowledge.

**MREI**
**MASTER OF REAL ESTATE & INFRASTRUCTURE**
Build your career on a solid foundation with this specialized program for leaders, entrepreneurs and city builders in both real estate and infrastructure.

**MMgt**
**MASTER OF MANAGEMENT**
Build your knowledge of the major disciplines of management with this unique program designed for high-achieving graduates from non-business backgrounds.

**MSCM**
**MASTER OF SUPPLY CHAIN MANAGEMENT**
Develop the analytical skills needed to design creative supply chain solutions in this rigorous, experiential program offered both full- or part-time.

**Additional Masters Programs at Schulich**

Canada’s Top-Ranked Business School
Global Reach. Innovative Programs. Diverse Perspectives.

Schulich MBA: #1 IN CANADA (Forbes, CNN Expansión, Corporate Knights, América Economia, eFinancialCareers) #2 IN THE WORLD (Corporate Knights)
Kellogg-Schulich Executive MBA: #1 IN CANADA (Financial Times, The Economist) #8 IN THE WORLD (Financial Times) #9 IN THE WORLD (The Economist)
By holistically bridging technology with business acuity, the MBAN program offered a powerful combination to position me for success. No other program compared to this in design and value.

MAY MASOUD (MBAN ’16)
Data Science, Solution Specialist, SAS Canada
View May’s story:
schulich.yorku.ca/mays-story
**Master of Business Analytics (MBAN)**

Gain the tools and techniques to become an expert in the booming field of Big Data.

**IN DEMAND**
In an age of beacon technology, real-time bidding models and consumer-centric purchase pathways, data analysis has become one of the most highly sought skills in the competitive business landscape. Take the opportunity to meet this growing demand; build a career deciphering Big Data with the Schulich Master of Business Analytics (MBAN).

**CURRICULUM HIGHLIGHTS**
In just 12 months, this intensive program provides you with a combination of technical expertise and effective communication skills. The curriculum pairs core courses in predictive modelling and programming with business fundamentals such as Case Analysis and Presentation Skills. Explore the wider contextual implications of unprecedented data collection on governance and privacy.

The capstone of the MBAN is the Analytics Consulting Project, in which you deepen your understanding of the subject matter and methodologies, as well as acquire experience with hands-on, problem-driven research and application. Working in teams over eight months, you’ll develop meaningful insights to enhance an organization’s success.

**SAS® PARTNERSHIP**
Schulich takes pride in its partnership with SAS® (Statistical Analysis Software), a recognized leader in advanced analytics and data management. MBAN students enjoy access to SAS® certification exam vouchers and are awarded a much-coveted SAS® certification upon completion of the program. In addition to SAS®, students may also gain exposure to R, SQL, and Python.

**EXPLORE UNPRECEDENTED OPPORTUNITY IN AN EMERGING FIELD**
The MBAN is uniquely applicable to a wide array of industries. Employers across financial services, consulting, pharmaceuticals and retail alike seek specialized professionals to analyze Big Data and create measurable value.

MBAN students fill the gap readily. Since the program’s inception, close to 100% of each class has been employed within three months of graduation. Graduates of the program go on to excel in functional roles that drive key business decisions, finding success as Forecasting Analysts, Business Intelligence Managers and Customer Analytics Leads.

Students benefit from access to industry leaders, mentorship opportunities, and early employment offers from leading corporations including Deloitte, KPMG, Labatt, Bell Media and Scotiabank.

**FULL-TIME**

| START DATE | May |
| COMPLETION | 12 months |

**CERTIFICATION**

AS MBAN graduates gain SAS® certification

---

“**The Schulich Master of Business Analytics provided the tools and expertise to launch my career in the high-demand field of data analytics.”**

YON-JOON CHOO (MBAN ’16)
Senior Consultant, Artificial Intelligence
Deloitte

View Yon-Joon’s story: schulich.yorku.ca/yon-joons-story
The 12-month Master of Business Analytics prepares you for a career in a dynamic high-demand field. The Schulich MBAN will equip you to competitively enter the workforce with its rigorous curriculum and wide array of activities to support your personal, academic and professional development.

**YOUR MBAN JOURNEY**

**TERM 1: SUMMER**

- **Course Work:**
  - Data Science I
  - Predictive Modelling I
  - Visual Analytics & Modelling
  - Data Management & Programming
  - Case Analysis & Presentation Skills

**TERM 2: FALL**

- **Course Work:**
  - Data Science II
  - Predictive Modelling II
  - Advanced Spreadsheet Modelling & Programming for Business
  - Analytics Consulting Project
  - + 3.00 credits of electives

- **CHOICE OF ELECTIVES**
  - 9.00 elective credits provide an opportunity for MBAN students to apply their foundational knowledge of business analytics to a specific functional area. The breadth of elective subject matter invites diverse applications of data analysis to economic forecasting, artificial intelligence, marketing research, risk management and more.

**TERM 3: WINTER**

- **Course Work:**
  - Big Data Fundamentals & Applications
  - Multivariate Methods for Business Analytics
  - Analytics Consulting Project
  - + 6.00 credits of electives

- **ANALYTICS CONSULTING PROJECT**
  - 6.00 credits taken in Terms 2 & 3
  - The capstone of the MBAN program. Students spend two terms working with real data in service to the community. Mirroring real-world “Big Data Competitions,” students complete a hands-on, problem-driven analytics project and develop applicable business solutions. They directly interface with industry leaders and develop both technical and organizational expertise.

**RECRUITMENT**

- On-campus and off-campus recruiting in banking, healthcare, retail, e-commerce, marketing, consulting and more.

- Regular career coaching, networking events, alumni mentorship

- Work experience is not required prior to applying for the MBAN, but it is strongly recommended.

**Required Workshops**

- Professional Development workshops facilitated by industry experts.

**MBAN Specialized Career Activities**

- Scheduled throughout the academic year during designated time periods.

- Just-in-time recruiting
“The Schulich Master of Business Analytics complemented my prior education, with an innovative real-world approach that gave me an edge in the exciting field of analytics consulting.”

ILNAZ ELLE MAJZADEH AMELI (MBAN ’16)
Manager, Advanced Analytics, Deloitte Canada

PROFESSOR MURAT KRISTAL
BSc (METU, Turkey); MBA (Bilkent, Turkey);
PhD (North Carolina)
Associate Professor of Operations Management and Information Systems
Director, Master of Business Analytics Program
Teaches: Multivariate Methods for Business Analytics; Models & Applications in Operational Research

“Professor Kristal has an unparalleled talent for simplifying complex statistical analyses in answering business questions. Not only did he demonstrate the tools available to interpret results, he also showed us the importance of addressing the right questions.”

LUCAS CALESTINI LUIZ (MBAN ’16)
The Deloitte Cognitive Analytics & Visualization Lab, Schulich School of Business
Elevating Data Analytics in Canada

Launched as a collaboration between the Schulich School of Business, York University and Deloitte, the Deloitte Cognitive Analytics & Visualization Lab is a state-of-the-art space to study, model, code and translate big data.

The Lab’s advanced platforms allow you to delve into exciting areas such as predictive analytics, natural language processing, machine learning and visualization. As an MBAN student, you will use the latest technologies to analyze a rich data set, deriving insights to address real issues facing organizations as part of the capstone Analytics Consulting Project. For more information, visit: dschulichlab.ai.

**AT THE CUTTING EDGE**

Employ the Lab’s advanced technology to uncover and communicate insights in four emerging areas:

**Predictive and Prescriptive Analytics**

Build predictive and prescriptive models that deliver on insight and foresight. Learn methodologies that will allow organizations to make smarter business decisions faster, disrupt the industry, and outperform the competition.

**Artificial Intelligence (AI)**

Find out how computers can learn from data without being explicitly programmed each step of the way. Position yourself at the leading edge of deep learning and machine learning in areas that include neural networks, probabilistic models, statistical theory and natural language processing.

**Cognitive**

Gain exposure to platforms that integrate technological capabilities and algorithms to create systems that interface with complex data and humans. These cognitive tools allow machines to work with data while also enabling more natural human-machine interaction.

**Data Visualization**

Learn the invaluable skill of presenting clear and effective information as you examine principles from strategy, graphic design, psychology, communication theory and data science.

“Establishing the state-of-the-art Deloitte Cognitive Analytics & Visualization Lab at Schulich will enable both of our organizations to continue providing world-class expertise in business analytics.”

DEZSŐ J. HORVÁTH, PHD, CM
Dean & Tanna H. Schulich Chair in Strategic Management
Schulich School of Business

LAB LEADERS

Dr. Mural Kristal
Director, Master of Business Analytics
Schulich School of Business

Shelby Austin
National Leader of Strategic Analytics
Deloitte

Dr. Ian Scott
Chief Data Scientist
Deloitte

Dr. Marek Laskowski
Deloitte Data Scientist
Schulich School of Business

Digital rendering of the new Deloitte Cognitive Analytics & Visualization Lab.
Student Life

Make Life-Changing Connections

Build lasting memories as part of an engaged and diverse student community. Develop your strengths, skills and interests with a host of exciting co-curricular activities.

Participate in Case Competitions
Strengthen your analytical and presentation skills and master the case method with opportunities to compete around the world.

Discover New Interests and Passions
Choose from over 30 student-run clubs and organizations. From mining and investment banking to sustainable enterprise and women in leadership, you’ll have the ability to pursue a broad spectrum of interests alongside your studies.

Enjoy New Social Activities
Join a tightly knit group of students and connect through sports, pub nights and community engagement. Schulich brings you a world of opportunity to expand your interests with students from an array of different backgrounds and regions.

Key Highlights
It’s all Right Here for You at Schulich. Join In!

- **SEPTEMBER**
  - **Schulympics**
    - Join a weekend getaway organized by the Graduate Business Council (GBC) for canoeing, campfires and fun with your fellow students.

- **OCTOBER**
  - **Culture Crawl**
    - Celebrate your colleagues’ different cultural backgrounds with food, song and performances.

- **JANUARY**
  - **MBA Games**
    - Meet and compete with other graduate business students from top schools across Canada.

- **APRIL**
  - **Graduate Formal**
    - Toast the end of the Winter Term with a night of awards, dining and dancing.

Schulich Celebrates winning the 2018 MBA Games

Team Schulich finished first overall in the three-day competition against 600+ graduate students from 17 schools across Canada.

Schulich Celebrates winning the 2018 developers’ den international real estate case competition.
Career Development
Shape Your Success

The Schulich Career Development Centre (CDC) offers a wealth of innovative programs and resources to help students accelerate their careers and facilitate employment opportunities.

Our CDC Advisors are certified career coaches who work closely to help you identify your strengths, determine career objectives and develop a tailored plan to achieve your career goals. Benefit from a variety of resources that have supported consistently high placement rates for graduating students.

Career Workshop Modules
Benefit from skill-enhancing workshops aimed at making you more marketable and career-ready. Resume and cover letter writing, managing your online presence, and mastering the interview are a sampling of the workshops available to you.

Corporate Recruitment Events
Connect with companies such as EY, Deloitte, KPMG, Amazon, IBM, SAS™, Scotiabank, Brookfield Asset Management, Loblaws, TD Canada Trust, and CIBC about career opportunities in their organizations.

Networking Mixers
Engage with Schulich alumni and industry specialists at events such as the Asset Management Mixer, Day on Bay and Accounting Mixer. Enjoy breakfast networking events with leaders in Real Estate and Infrastructure, Health Industry Management and Financial Services.

Just-in-Time Recruiting
Access job and internship postings from companies around the globe.
Schulich Global Alumni Network
Notable Alumni are Leading by Example

When you graduate from Schulich, you become part of one of the largest business alumni networks in Canada. Here’s a brief look at the scope of the Schulich alumni network and a sampling of those who are leading by example.

Connect and benefit from access to the Schulich Global Alumni Network

UPON GRADUATION, JOIN A GLOBAL NETWORK OF OVER
30,000 90
active alumni in countries

Enjoy exclusive access to Schulich’s online alumni community, which includes
91
global alumni chapters in
62
countries

As a student, participate in the SCHULICH ALUMNI MENTORSHIP PROGRAM
or engage with alumni at events and conferences to gain key insights into the industries and careers that you’re passionate about.

Take advantage of life-long professional development activities, career management resources, and alumni events.

Laura Michalchynshyn (MBA ’93)
Executive Producer, Sundance Productions
Member, Arts, Media & Entertainment Advisory Board
Photo: Francis Hlady

Jasper Cheung (MBA ’90)
President, Amazon.com, Japan
Member, International Advisory Council

Frank M. Vettese (BBA ’86, MBA ’91)
Managing Partner & Chief Executive, Deloitte
Member, Dean’s Advisory Council

30,000 active alumni in 90 countries

91 global alumni chapters in 62 countries

Global Reach. Innovative Programs. Diverse Perspectives.
NOTABLE ALUMNI ARE LEADING BY EXAMPLE

Bharat Masrani (BBA ’78, MBA ’79, Hon LLD ’17)
Group President & CEO, TD Bank Financial Group
Member, Dean’s Advisory Council

Ron Mock (MBA ’79, Hon LLD ’77)
President & CEO, Ontario Teachers’ Pension Plan
Member, Dean’s Advisory Council

Andrew Wu (MBA ’89)
Group President, Greater China
LVMH

Kathleen Taylor, CM (MBA/JD ’84, Hon LLD ’14)
Chair of the Board, Royal Bank of Canada (RBC)
& Sick Kids Foundation
Member, Dean’s Advisory Council

Vincenzo Commisso (MBA ’93)
Co-Founding Partner, President & CEO
9 Story Media Group

Robert R. McEwen, CM (MBA ’78, Hon LLD ’05)
Chairman & Chief Owner, McEwen Mining
Member, Dean’s Advisory Council

Janice Fukakusa (MBA ’79, Hon LLD ’16)
Corporate Director, Retired Chief Administrative Officer & Chief Financial Officer, Royal Bank of Canada (RBC)
Member, Dean’s Advisory Council

Global Reach. Innovative Programs. Diverse Perspectives.
Come to Canada to study, and stay to build a life post-degree through favourable immigration pathways. Take advantage of in-house immigration support to plan for your future.

### The Toronto Advantage

**Why Toronto Rocks**

One of the most multicultural cities in the world -

½ OF TORONTO’S POPULATION WAS BORN OUTSIDE OF CANADA

Ranks among the top five most livable cities in the world

ACCESS TO THE DOWNTOWN CORE

The new Toronto Transit Commission (TTC) York University subway station is located steps from the Schulich building, connecting students to the city’s vibrant core in just 30 minutes. The station offers a safe and convenient way to explore the city of Toronto, get to business networking events after classes, and travel between our Keele (uptown) and Nadal (downtown) campuses.

Ranked as the

SAFEST METROPOLITAN CITY IN NORTH AMERICA

3rd LARGEST

Aggregate stock exchange in North America

RANKED #3 IN THE WORLD

PwC Cities of Opportunity 2016

Ranks among the top five most livable cities in the world

Economist Intelligence Unit, 2016

76,000 TOTAL BUSINESSES

Source (unless specifically indicated): Invest Toronto

82 Companies with over $1 billion in annual revenues

TOP 5 cities in the world to do business

TOP 10 Best cities to live and work

Boston Consulting Group, 2014

The Toronto Advantage

**Why Toronto Rocks**

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TOP 10 Best cities to live and work

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### Admission Requirements

**What’s Required to Begin Your Journey**

<table>
<thead>
<tr>
<th>REQUIREMENTS</th>
<th>MBAN: Master of Business Analytics</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>GPA</strong></td>
<td>B+</td>
</tr>
<tr>
<td><strong>PREREQUISITE COURSES IN HONOURS PROGRAM</strong></td>
<td>Strong Quantitative Background</td>
</tr>
<tr>
<td><strong>GMAT/GRE</strong></td>
<td>GMAT or GRE</td>
</tr>
<tr>
<td><strong>ESSAYS</strong></td>
<td>2 video, 2 written, 1 timed written</td>
</tr>
<tr>
<td><strong>REFERENCE LETTERS</strong></td>
<td>2</td>
</tr>
<tr>
<td><strong>WORK EXPERIENCE</strong></td>
<td>Recommended but not required</td>
</tr>
</tbody>
</table>
| **LANGUAGE PROFICIENCY**   | IELTS: 7.0 (minimum 6.5 on each dimension)  
TOEFL: 100 (minimum 23 on each dimension) |

**ADMISSIONS DEADLINES**

**MAY 2019 ENTRY**

Round 1*: Nov. 1, 2018  
Round 2: Dec. 13, 2018  
Round 3**: Feb. 28, 2019

*International students are encouraged to apply in Round 1. International students are still welcome to apply after this date and will be considered for admission pending space in the program. Please keep in mind that you must have enough time to apply for a study permit if you are granted an offer.

**For domestic applicants only.

---

### Financial Aid

**Invest in Your Future**

We welcome the opportunity to discuss ways to finance your education and the return on investment our programs offer. Send us an email at: finaid@schulich.yorku.ca or visit: schulich.yorku.ca/financial-aid.

**$2 Million**

in Scholarships, Awards and Bursaries

**Line of Credit for Domestic Students**

Visit schulich.yorku.ca/financial-aid/loans for a list of partnered banks and preferred rates for domestic students in professional programs.

**Loans for International Students**

To learn more about funding opportunities for international students, please visit: schulich.yorku.ca/financial-aid/loans

**Additional Financial Aid**

- Support for case competitions
- Partnerships with:

**Contact Us**

Email: finaid@schulich.yorku.ca  
schulich.yorku.ca/financial-aid
Tuition Fees

Please note that tuition fees for 2019 and beyond have not been set. Below are 2018-2019 fees.

<table>
<thead>
<tr>
<th>All fees are in Canadian dollars</th>
<th>DOMESTIC STUDENTS</th>
<th>INTERNATIONAL STUDENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Canadian Citizen, Landed Immigrant, Permanent Resident</td>
<td>Visa/Study Permit</td>
</tr>
<tr>
<td></td>
<td><strong>Total Tuition</strong></td>
<td><strong>Total Tuition</strong></td>
</tr>
<tr>
<td><strong>MBAN</strong></td>
<td>(Approx. based on 3 terms)</td>
<td>(Approx. based on 3 terms)</td>
</tr>
<tr>
<td>Cost Per Term</td>
<td>$19,930 (MBAN, Full-time)</td>
<td>$25,470</td>
</tr>
<tr>
<td></td>
<td>$9,965 (MSCM, Part-time)</td>
<td></td>
</tr>
<tr>
<td><strong>MScM</strong></td>
<td>$59,800</td>
<td>$76,400</td>
</tr>
<tr>
<td><strong>MScM</strong></td>
<td>$9,965 (MSCM, Part-time)</td>
<td>$18,020</td>
</tr>
<tr>
<td><strong>MAcc</strong></td>
<td>$29,800</td>
<td>$54,100</td>
</tr>
<tr>
<td>Cost Per Term</td>
<td>$13,320 (MAcc, Full-time)</td>
<td>$25,470</td>
</tr>
<tr>
<td><strong>MMgt</strong></td>
<td>$39,960</td>
<td>$76,400</td>
</tr>
<tr>
<td><strong>MMgt</strong></td>
<td>(Approx. based on 3 terms)</td>
<td>(Approx. based on 3 terms)</td>
</tr>
<tr>
<td>Cost Per Term</td>
<td>$18,540 (MMgt, Full-time)</td>
<td>$24,220</td>
</tr>
<tr>
<td><strong>MEI</strong></td>
<td>$55,600</td>
<td>$72,700</td>
</tr>
<tr>
<td><strong>MEI</strong></td>
<td>(Approx. based on 3 terms)</td>
<td>(Approx. based on 3 terms)</td>
</tr>
</tbody>
</table>

All fees are subject to change.

Total tuition fees are approximate and vary with start date and program length. Please consult the Schulich School of Business website. Total tuition fees listed above include an estimated $450 per term ancillary and student referenda fee.

For supplementary fee information please refer to the Student Financial Services website: sfs.yorku.ca/fees/courses

Cost of Living

The chart above is intended as a budget guide for students studying full-time at the Schulich School of Business. Costs are listed in Canadian dollars.

1 This does not include tuition fees, for current tuition fees please contact the financial aid office directly.
2 Off-campus housing varies in price from $500 – $1,200 per month depending on the location and options. For on-campus accommodation visit yorku.ca/stuhouse
3 Participation in the University Health Insurance Plan (UHIP) is mandatory only for International Students while in Toronto. The Graduate Student Association (GSA) plan is for dental and drug coverage (mandatory for all domestic and international full-time students unless student has alternative coverage). Coverage for spouse/family is available at additional rates. Health/Drug/Dental plan rates are subject to change. Please visit health.gov.on.ca for details on Ontario Health Insurance Plan (OHIP) coverage (for domestic students only). Subtract UHIP cost (approximately $225) for domestic student total average cost.
Acquire the skills and credentials you need for the career you want.

FIND OUT MORE ABOUT SCHULICH
1. Visit us online: schulich.yorku.ca
2. Join us for an in-person on online information session, or on campus at an open house event. Register at: schulich.yorku.ca/events
3. Meet one-to-one with our admissions team, in person, on the road or online to discuss your profile. Register at: schulich.yorku.ca/grad-inquiry

Connect with Us
- Learn about us on the Web: schulich.yorku.ca
- Follow us on Twitter: @SchulichSchool
- Watch us on YouTube: youtube.com/use/schulichSchool
- Connect with us on LinkedIn: linkedin.com/company/schulichbusiness
- Like us on Facebook: facebook.com/SchulichSchool
- Email us at: admissions@schulich.yorku.ca

schulich.yorku.ca
Schulich Masters Programs provide students with the technical skills and career preparation they need to pursue dynamic roles across a broad spectrum of industries.

schulich.yorku.ca

Schulich School of Business
Seymour Schulich Building
York University
4700 Keele Street
Toronto, Ontario, Canada
M3J 1P3