

MS DATA ANALYTICS

2 YEARS | ON-CAMPUS IN USA + ONLINE



NO GRE/GMAT REQUIRED

UP TO 3 YEARS STEM OPT VISA IN USA

SAVE UP TO USD 54,179

95% PLACEMENT RATE

Offered in collaboration with Great Learning

INTRODUCTION

The vast abundance of data in today's world provides a wealth of opportunities for professionals to excel in making sense of this data. Today, Data Science plays a pivotal role in exploring the most effective methods to organize, store, and represent data, making it one of the most sought-after fields globally.

The first year of the MS Data Analytics program is offered in a fully online format by Walsh College in collaboration with Great Lakes and UT Austin. Post completion, professionals can continue their 12-month learning journey on campus at Walsh College.

The program equips learners with the skills needed to leverage advanced information management techniques, exposes them to real-world challenges and helps them unlock the potential of data.

ACCREDITATIONS AND RANKINGS

Walsh has been granted the legal authority to operate as a private, not-for-profit institution by the State of Michigan, Department of Labor and Economic Opportunity to grant bachelor's, master's, and doctoral degrees and certificate programs.

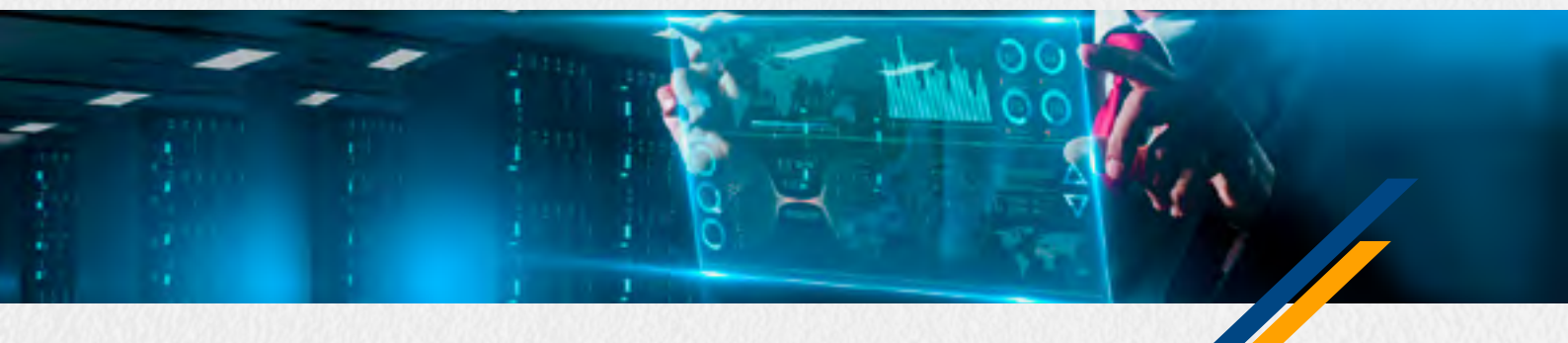


The Higher Learning Commission (HLC)

Walsh is accredited by [The Higher Learning Commission](#), a regional accreditation agency recognized by the U.S. Department of Education. It is an independent corporation and one of six regional institutional accreditors in the United States. The HLC accredited degree-granting post-secondary educational institutions in the North Central region.



2023's Best Online Master's in Data Analytics



ABOUT

WALSH COLLEGE

Walsh is more than a business school. An accelerator.
A think tank. An incubator for ideas. Since 1922, Walsh
has combined theory and application to prepare
students for successful careers.

With each of the internationally and nationally ranked
business and technology bachelor's and master's
degree programs, at Walsh, students learn from proven
business minds who have been there and done that.



THE WALSH COLLEGE ADVANTAGE



CAMPUS LIFE & COMMUNITY

The Walsh main campus, located in Troy, is a 137,000-square-foot facility, spread over 30 acres. The facilities are modern and exemplify a professional learning environment. The location has 22 classrooms, a library, five computer labs, and conferencing space.



STUDENT LIFE

Student Life provides endless opportunities for you to make the most of your Walsh experience, including workshops, tours of local companies, social events, and more. Connect with students, staff, and alumni at on-campus events such as the Student Involvement Fair, Student Life Night, and International Day. Learn about current business topics at monthly guest speaker events. Develop your leadership skills by becoming a part of the student organizations.



CAREER SERVICES

The Career Services Department at Walsh organizes two career fairs each year, exclusively for current, for-credit students and alumni. The career fair is a great opportunity for employers to meet with Walsh students and alumni to discuss full-time, part-time and internship opportunities. Learners may also avail assistance with resume preparation, job search techniques, practice interviews and general career advice.



ABOUT GREAT LAKES

Consistently ranked among the top 10 business schools, Great Lakes has grown from strength to strength, while being the youngest institution to do so in the country.



Outlook and Business World have ranked the 1-year MBA program among the top 10 MBA programs in the country. Eminent faculty from prestigious international universities such as Harvard, Kellogg, and Stanford also contribute to Great Lakes' learning programs. The campus experience at Great Lakes also enables learners to learn along with some of the brightest minds from across the country.

THE UT AUSTIN ADVANTAGE

Founded in 1883 and home to more than 51,000 students and 3,000 teaching faculty, The University of Texas at Austin is one of the leading public universities in the United States. The UT Austin name is globally recognized as a leader in the domains of science, business, technology, and social science. This is especially true for business analytics, where it is ranked at #3 in USA (QS World University Rankings 2022).



IN THE US FOR BUSINESS ANALYTICS

QS World University Rankings 2022

ABOUT THE PROGRAM

The MS Data Analytics program offered by Walsh College in collaboration with Great Lakes and UT Austin presents a comprehensive curriculum that covers essential information management principles and advanced applications of Data Analytics. This esteemed program offers a holistic perspective on Data Science and follows a hybrid format, combining both online and in-person learning. With a focus on practical experience, students engage in hands-on projects and benefit from mentorship sessions, ensuring an enriching learning journey.

HYBRID

1st Year - Delivered in a fully online format by Great Lakes and UT Austin

2nd Year - Complete your MS Data Analytics on campus in USA from Walsh College



PROGRAM HIGHLIGHTS



Up to 3 Years Post-Study Work/OPT Visa in USA



Savings up to USD 54,179



Get Alumni Status from Walsh College, Great Lakes and UT Austin



Quick Application with No GRE/GMAT Requirement



Learn from Top Faculty and Leading Industry Practitioners



Practical Insights from Industry Experts



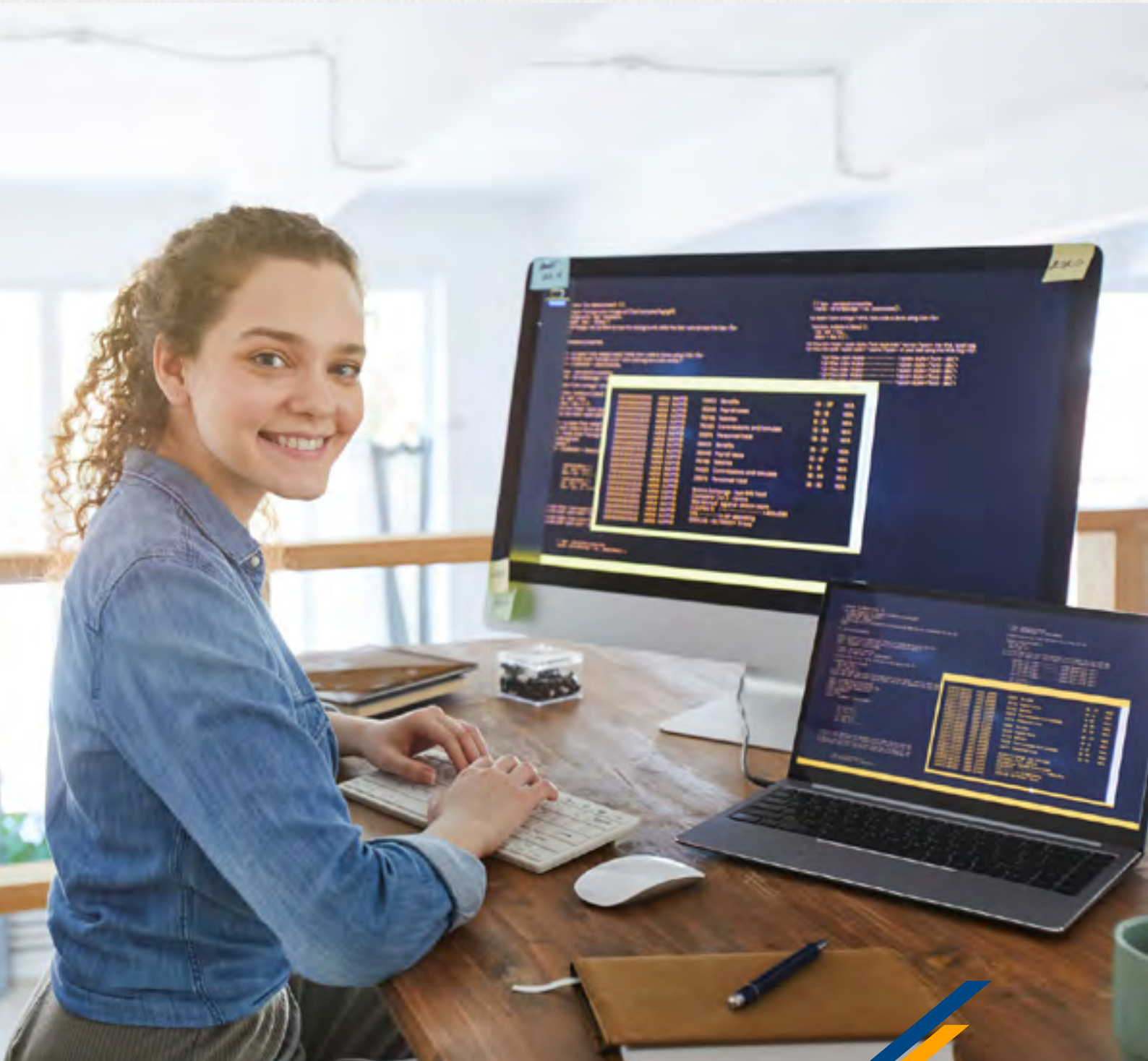
8+ Hands-on Projects and 16+ Case Studies



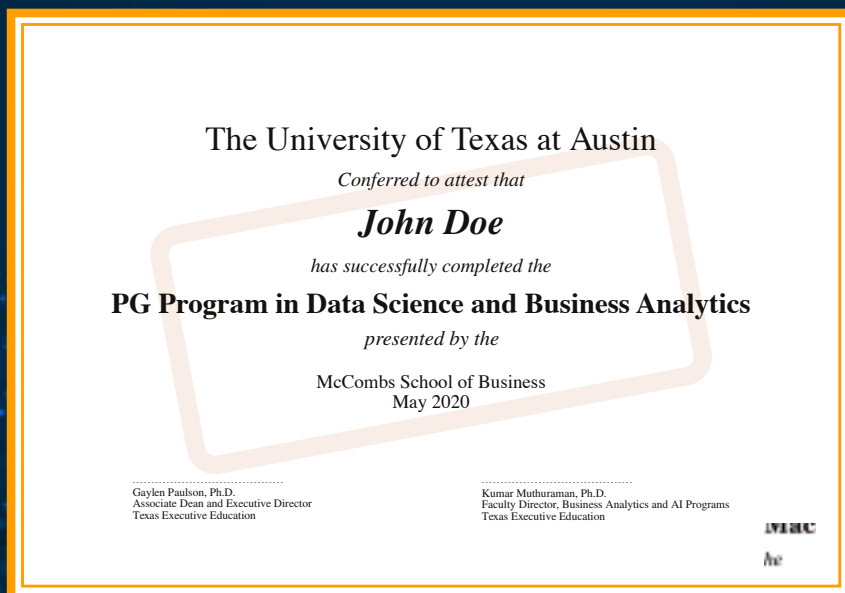
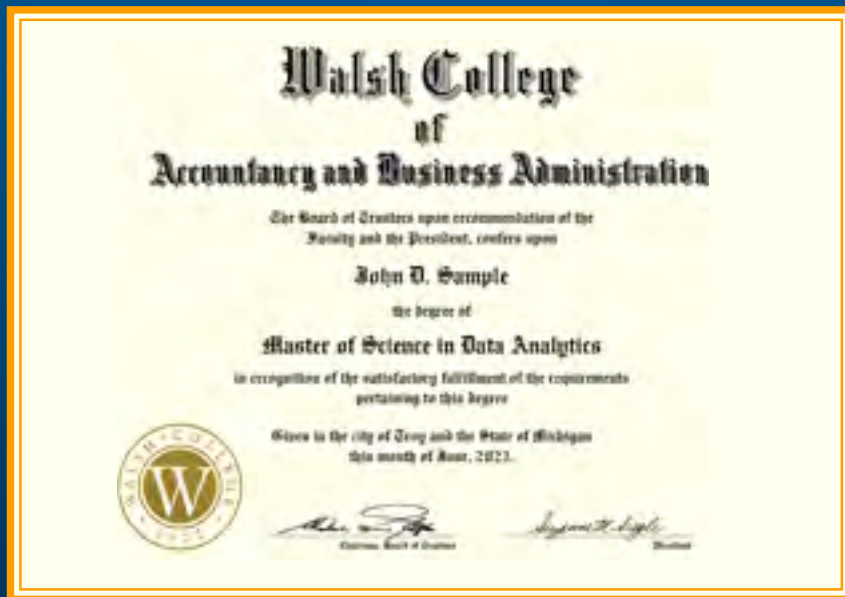
Capstone Projects at the End of Year 1 and Year 2

WHO IS THIS PROGRAM FOR?

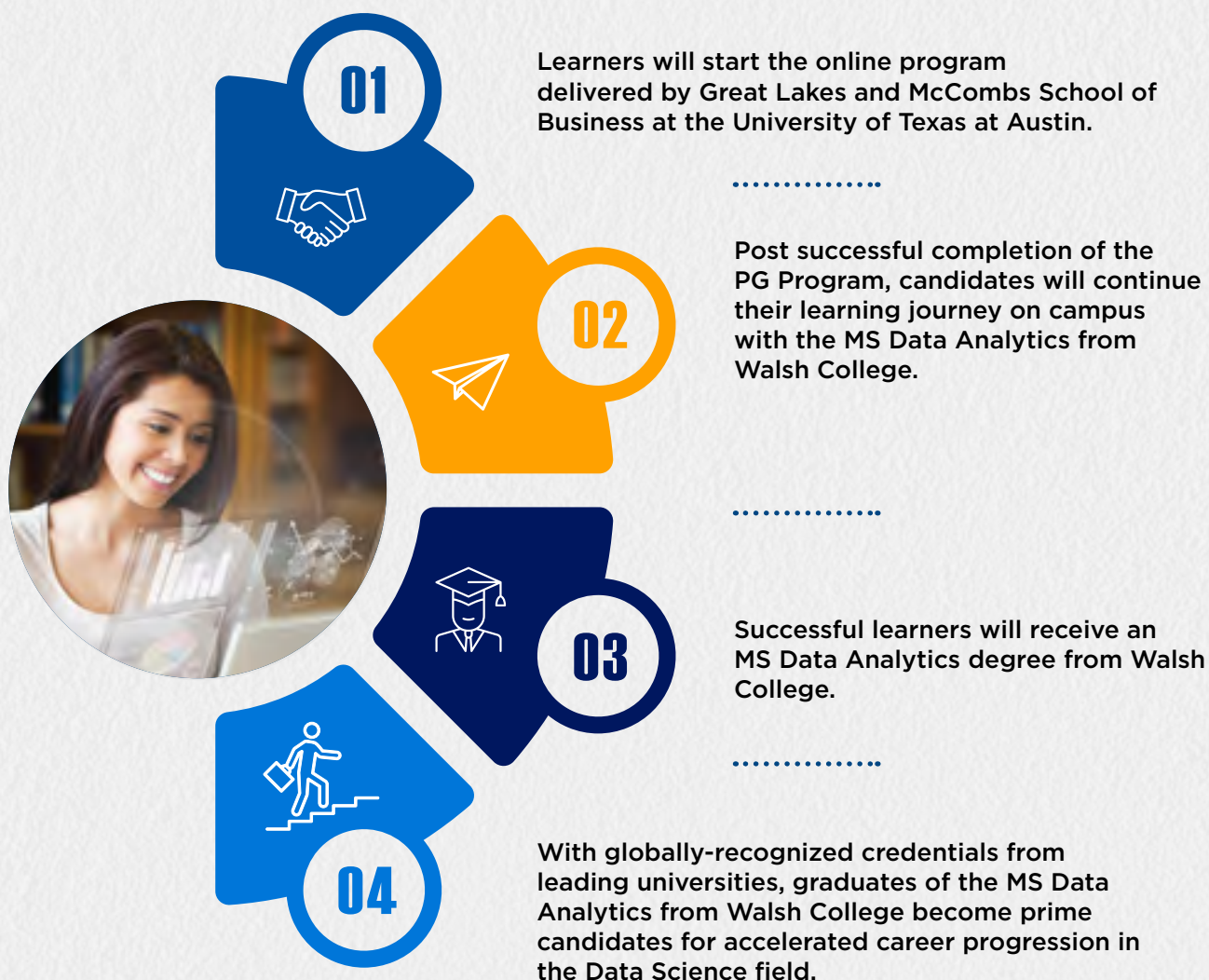
- Young, early-career professionals looking to go abroad and starting a Data Science career.
- Mid and senior-level professionals who are looking to go abroad and stay up-to-date with the skills needed for success in the digital world.
- Professionals who wish to transition to a high-growth Data Science career with industry-ready skills and knowledge.



GET CERTIFICATIONS FROM THE WORLD'S LEADING UNIVERSITIES



LEARNING JOURNEY



LEARNING OUTCOMES

On successfully completing this program, you will be able to:

- Review and report on Data Science processing to understand data within a larger context.
- Assess and improve Data Science systems to explore best practices, gaps, and areas for improvement.
- Apply new-age Data Science techniques to solve real-world business problems.
- Work on the full Data Science pipeline from data mining and structuring to clustering and modeling.
- Become an ideal Data Science innovator with the latest skills to extract actionable insights for growth.

PROGRAM CURRICULUM

The curriculum is designed by leading experts and practicing industry professionals at Walsh College, Great Lakes and UT Austin. It is specifically curated to cover a range of Data Science skills, starting from the fundamentals and progressing to more complex, hands-on applications.



YEAR 1

DATA SCIENCE FOUNDATIONS

STATISTICAL METHODS FOR DATA SCIENCE

Introduction to Data Science and fundamentals like Statistics, Probability etc, which are key topics to understand Data Analytics.

BUSINESS FINANCE

This focuses on all the fundamentals of how business finance works in a company and is one of the most important topics in Data Analytics.

MARKETING AND CRM

This topic covers all the fundamentals of how a business handles its marketing strategies and Customer Relationship Management (CRM).

SQL PROGRAMMING

Learn about SQL programming including DBMS, Normalization, Joins, etc.

PYTHON FOR DATA SCIENCE

Learn critical Python programming concepts for Data Science, such as NumPy, Pandas, Matplotlib, Seaborn, etc.

DATA SCIENCE TECHNIQUES

INFERENCEAL STATISTICS

In this Data Science and Analytics course, we will discuss advanced statistical techniques such as Variance, Regression, and Dimension Reduction.

PREDICTIVE MODELING

Predictive Modeling is a process to build a model that can predict data. This topic will focus on various Predictive Modeling techniques used in Machine Learning.

MACHINE LEARNING - I

Learners will gain a thorough understanding of Supervised and Unsupervised Learning techniques, Decision Trees, Neural Networks, etc.

MACHINE LEARNING - 2

The next module focuses on all the Machine Learning techniques used in Data Science and Business Analytics.

TIME SERIES FORECASTING

This block will teach learners how to predict future values based on the previously experimented values.

SELF-PACED MODULES: OPTIMIZATION TECHNIQUES

This module will cover all the optimization techniques used in Deep Learning.



DOMAIN EXPOSURE

SELF-PACED MODULE: DEMYSTIFYING CHATGPT AND APPLICATIONS

Gain an understanding of what ChatGPT is and how it works and delve into the implications of ChatGPT for work, business, and education. Additionally, learn about prompt engineering and how it can be used to fine-tune outputs for specific use cases.

MARKETING AND RETAIL ANALYTICS

This topic focuses on some basic terminologies used in marketing and delves into an application of Retail Analytics.

WEB AND SOCIAL MEDIA ANALYTICS

This topic focuses on some basic terminologies used in Web and Social Media Analytics like Google Analytics, Social Media Campaigns, Text Mining, etc.

FINANCE AND RISK ANALYTICS

This topic covers basic terms used in Finance & Risk Analytics like Credit Risk Models, PD Models, Market Risk, etc.

SUPPLY CHAIN & LOGISTICS ANALYTICS

Learners will be exposed to basic terms used in Supply Chain and Logistics Analytics like RNN, Inventory Management, Forecasting, etc.

VISUALIZATION AND INSIGHTS

DATA VISUALIZATION USING TABLEAU

This module helps you understand Data Visualization using Tableau.

CAPSTONE PROJECT

Learners can get their hands dirty with a real-time project under an industry expert's guidance. This covers everything from an introduction to Data Science and Data Analytics to complex concepts. Successful completion of the project will earn you Post Graduate Certificate.

LANGUAGES AND TOOLS COVERED



YEAR 2

DATA STORAGE TECHNOLOGIES

Database storage technologies have transformed into complex systems that support knowledge management and decision support systems. This course takes a look at the foundations of database storage technologies. Students will learn about Database Storage Architecture, types of Database Storage Systems (legacy, current and emerging), Physical Data Storage, Transaction Management, Database Storage APIs, Data Warehousing, Governance and Big Data Systems. The student will tie this all together to see how database storage technologies apply to Data Analytics.

PRINCIPLES OF DATA ANALYTICS

This course provides an overview of the knowledge that students gain successfully completing the MS Data Analytics curriculum. Each weekly session material presented focuses on one aspect of the principles of Data Analytics. The course acts as a roadmap with respect to an overview of the Data Analytics skill set students need to earn an MS.

PRESCRIPTIVE ANALYSIS

This course exposes the student to Prescriptive Analytics. It is used as a method in identifying competitive advantages in the enterprise by identifying the optimal solution. The students will learn how Prescriptive Analytics is used in business analytics and decision making. Students will explore optimization and optimal decision-making models for identification of optimal solutions. Topics such as Simulation Modeling and multi-criteria decision making are introduced. The students will be exposed to transformative findings that can be actioned into effective decisions.

RESEARCH METHODS AND ETHICS

The focus of this course is on exploring the three research method approaches: quantitative, qualitative and mix-method. Phases of research are discussed in detail with respect to identifying and translating research problems based on business needs into specific research questions, developing hypotheses, determining independent and dependent research variables, and examining the validity and reliability of the research designs. Ethical considerations in research are deliberated considering APA and ASA ethics guidelines.

DATA ANALYTICS CAPSTONE

The Capstone/Practicum Project provides the opportunity for integrating program learning within a project framework. Each student identifies or defines a professionally relevant need to be addressed that represents an opportunity to assimilate, integrate, or extend learning derived through the program. The student will work with the Capstone Project Advisor to develop a proposal. After review and approval by the Capstone Project Advisor, the student is authorized to complete the project. The student presents the completed project at the end of the semester.

Note: The curriculum is indicative and subject to change.

MEET THE FACULTY*



JAVAD KATIBAI

Assistant Professor -
Quantitative Methods at Walsh College,
Chassis System Architect - General Motors



DR. DAVE SCHIPPERS

VP and Academic Dean,
Assistant Professor at Automotive
Cybersecurity - Walsh College



JAMES GERRITY

Ph.D. - Adjunct Associate Professor -
Walsh College
Portfolio Associate and Business Service
Manager - Morgan Stanley



THOMAS PETZ

CIO/COO, Assistant Professor of IT -
Walsh College



CHRISTOPHER HEIDEN

Program Lead at IT,
Associate Professor of
Business Information Technology -
Walsh College



DR. ABHINANDA SARKAR

Ph.D. in Statistics -
Stanford University,
Ex-IBM & GE, Academic
Director - Great Learning



DR. KUMAR MUTHURAMAN

Faculty Director,
McCombs School of Business,
The University of Texas at Austin.
M.S & Ph.D. - Stanford University.



MR. GURUMOORTHY PATTABIRAMAN

Faculty, Data Science & ML
Great Learning



DR. DAN MITCHELL

ASSISTANT PROFESSOR,
McCombs School of Business.
Ph.D. - The University of Texas
at Austin.

**Faculty list is indicative and subject to change*

TESTIMONIALS



Capstone project during the program was a wonderful experience and helped me immensely during my statistical modeling projects.

VISHRANTH

Senior Consultant, Fractal Analytics



Great Learning is a reputed brand in the management space with a focus on practical experience. I did a compact yet quite powerful one-year program in Data Science and Analytics. The placement assistance during and after program completion helped many candidates.

VILAS WAKALE

Independent Consultant



This program allowed a blend of practical industry exposure and real-life capstone project along with domain knowledge through eminent faculty members and industry guests alike. Moreover, assignment-led assessment approach and a very robust LMS provided a thoroughly rewarding experience.

AMIT MADAN

Country Manager, TransTechnology India Pvt. Ltd.

ELIGIBILITY

- Applicants must hold a 3 or 4-year bachelor's degree or equivalent in any discipline with a minimum of 60% marks from a UGC-recognized university or institution. The medium of instruction must be in English.
- No GRE/GMAT scores required.

Note: Candidates should score a minimum of 2.75 GPA in the 1st year to be eligible for 2nd year on campus at Walsh College.

ADMISSION PROCESS

Great Learning provides end-to-end support for the Walsh College application process.



Step 1: APPLY ONLINE

Fill out a fast and easy online application form
No additional tests or prerequisites are needed.



Step 2: PRE-SCREENING

Our team will make contact with you by phone
to confirm your eligibility for the program.



Step 3: APPLICATION ASSESSMENT

The Admissions Team will assess your application
and provide a timely response.



Step 4: JOIN THE PROGRAM

If selected, you will receive an acceptance letter
with instructions on how to pay and join the program.

Note: Admission to the program is subject to Walsh College acceptance.

PROGRAM FEES*

TOTAL

USD 19,860

*Admission to the program is subject to Walsh College acceptance.

GET THE GREAT LEARNING ADVANTAGE

Great Learning is India's leading professional learning and higher education platform. When you choose this program, you also get access to Great Learning's extensive pool of industry experts and end-to-end support.

360° ASSISTANCE



STATEMENT OF PURPOSE (SOP) REVIEW

As part of our SOP review process, we provide students with sample SOP formats to guide them in crafting a compelling statement in order to attend the university.



APPLICATION ASSISTANCE

Our counselors schedule video calls with learners and assist them in filling out the application accurately.



PRE-COURSE WORK

The program team at Great Learning has created pre-course work to allow learners to brush up their understanding of Python, Statistics, and other related concepts before program commencement. This helps students establish a solid foundation and effectively manage the program's demands.



ENHANCED LEARNING EXPERIENCE

The program managers keep a track of the learners' progress via the online Learning Management System and guide them throughout the process.

**Please note that charges incurred during the Visa application process shall be borne solely by the learner. In the event, your Visa application is rejected, you will not be eligible for a refund of any amount paid towards any part of the program fee. Walsh College and any associated parties shall, in no manner, be liable for rejection of your Visa application and/or any cancellation/modification of your flights, including any additional expenses incurred due to Visa re-application and/or flight cancellation /modification and/or any other reason. You will not be eligible for a refund of any amount paid toward any part of the program fee resulting from the occurrence of any such events. In case you initiate a Visa re-application, you may avail a one-time option to be deferred to the next upcoming batch of the program.*



INDIA'S LEADING PROFESSIONAL LEARNING AND HIGHER EDUCATION PLATFORM

10 Mn+
Learners

170+
Countries

7000+
Industry Experts

3600+
Companies Hire From Us



**Best Ed-tech
Company
of the Year***

* Indian Education
Awards 2022



**Best Online Skills
Provider of the Year***

* Entrepreneur, Education
Innovation Awards 2022



**Best Ed-tech
Company
of the Year***

* EdTech Review
Awards 2020

**READY TO ADVANCE
YOUR CAREER?**



CONTACT US

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Email Us - **msda.walsh@mygreatlearning.com**

VISIT OUR WEBSITE

