M.S. in
DATA SCIENCE AND ANALYTICS

BIG DATA IS IN BIG DEMAND

And you will be, too. Make yourself indispensible in this rapidly growing field. Master predictive analytics—generating information from structured and unstructured datasets, then translating that information into actionable insights. You'll create real value for businesses anywhere.

2
Years to degree completion

$27,600
total tuition costs
$920 per semester hour
$230 tech fees for fall and spring semester only
tuition and fees subject to change

30
Semester hours

STEM
designated program

A THOUGHTFUL, HANDS-ON CURRICULUM TO MAKE YOU MARKET-READY

We take a comprehensive approach, integrating analytics and machine learning with business. This innovative curriculum gives you technical prowess in statistics, analytical methods and programming tools, while powering up your vital business skills. The result: a comprehensive foundation of knowledge so you can harness the information that mystifies others, creating real business value in any professional setting.

THRIVE IN A CAREER IN BUSINESS, GOVERNMENT OR THE NONPROFIT SECTOR

- Business Analyst
- Customer Analytics Manager
- Director of Enterprise Data and Analytics
- Data Scientist
- Risk Manager
- Principal, Strategic Planning and Analytics
- Market Research Analyst
- Operations Manager
- Artificial Intelligence Engineer

THE RIGHT PEOPLE ON YOUR SIDE

Elmhurst faculty aren't just experts in their fields—they're dedicated to expanding your reach with fieldwork, connections and hands-on experience.

Elmhurst University

School of Graduate Studies

California, Illinois & Texas
States with the highest employment level in this occuption

$108,660
National mean annual wage for Data Scientists and Mathematical Science Occupations
(Bureau of Labor Statistics, bls.gov, 2021)

ADMISSION REQUIREMENTS

- A bachelor's degree from a regionally accredited U.S. institution or foreign equivalent
- A basic course in statistics (with a grade of C or better) and prior coursework in programming or equivalent professional experience are prerequisites to the program
- Our prerequisites may be completed with satisfactory completion of a short LinkedIn Learning course prior to starting classes with us
- Applicants must also have at least one year of professional experience, which may be waived with the director's approval
- An admission interview with the program director is required for all applicants
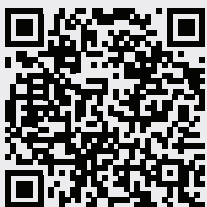
PROGRAM FORMAT
100% online
Fall and Spring starts

FINAL APPLICATION DEADLINES
Fall Term: August 15
Spring Term: January 15

Scan for more info:

MDSA Courses

Students complete 10 courses for a total of 30 semester hours. Courses are eight week sessions, available fully online.

YEAR ONE	
Fall A	
MDS 546	Quantitative Methods
Fall B	
MDS 523	Data Warehousing
Spring A	
MDS 534	Introduction to Business Intelligence, Data Mining, and Predictive Modeling
Spring B	
MDS 560	Business Intelligence for Enterprise Value
Summer	
Elective	

YEAR TWO	
Fall A	
MDS 535	Programming Environments for Modern Data
Fall B	
MDS 556	Analytical Methods for Machine Learning
Spring A	
MDS 564	Advanced Machine Learning Applications
Spring B	
Elective	
Summer	
MDS 576	Data Science Capstones

Students will complete two additional elective courses from the MDSA curriculum or another approved Elmhurst University graduate program.

Expand Your Résumé with an MBA

Graduates of Elmhurst's M.S. in Data Science and Analytics program are eligible to apply to the MBA Dual Degree Option, a one-year program that leads to an MBA with a specialization in Data Science.

Consider a Graduate Certificate

If it's not the right timing for a masters degree, consider a graduate certificate. Elmhurst's graduate certificates in Data Science and Enterprise Optimization consist of five courses from the M.S. in Data Science and Analytics Program.

Graduate Certificate in Data Science Courses

MDS 523	Data Warehousing
MDS 534	Introduction to Business Intelligence, Data Mining, and Predictive Modeling
MDS 546	Quantitative Methods

Students will complete two additional elective courses from the MDSA curriculum.

Graduate Certificate in Enterprise Optimization Courses

MDS 546	Quantitative Methods
MDS 534	Introduction to Business Intelligence, Data Mining, and Predictive Modeling
MDS 560	Business Intelligence for Enterprise Value
MDS 561	Data Science Project Management for Enterprise Value

or

MDS 562	Data Science for Business Transformation