



M.S. in DATA SCIENCE AND ANALYTICS

UNLOCK BIG INSIGHTS IN BIG DATA

Big Data is in Big Demand

And you will be, too. Make yourself indispensable 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.

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.

\$108,660

National mean annual wage
for Data Scientists and
Mathematical Science
Occupations

(Bureau of Labor Statistics, bls.gov, 2021)

California Illinois & Texas

States with the highest
employment level in this
occupation

PROGRAM INFORMATION

24 **2**
Months or Years
to degree completion

10 **30**
Courses or Semester
Hours

\$900
per semester hour
\$27,000 total tuition costs
\$185 tech fee for fall and spring
semesters only

**tuition and fees subject to change*

STEM
designated program



Program Format

100% online
Fall and Spring starts



Final Application Deadlines

Fall Term: August 15
Spring Term: January 15



Elmhurst University

School of Graduate Studies

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Data Science has an especially promising future. Deployed in virtually any professional setting, it can help organizations predict risks and identify opportunities, then make changes that get meaningful results.

Dr. James Kulich
Program Director
jimk@elmhurst.edu
(630) 617-3575

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

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.

Data Science Certificate 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**

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.

Optimize Your Résumé with Our MBA Dual Degree Option

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.



EXPERIENCE THE ELMHURST DIFFERENCE

Flexible programs that fit into your schedule and life. Skills you'll use throughout your career. Mentoring and support for the path you want to travel. It's all part of your Elmhurst Experience.

Apply today at elmhurst.edu/apply

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