

# MASTER OF SCIENCE IN DATA SCIENCE

ONLINE



Elmhurst's master of science in data science takes a comprehensive approach, with a curriculum that integrates analytics, computer science and business—skill areas crucial to succeeding in the emerging field of big data. This innovative approach is designed to prepare students to acquire the necessary technical skills in quantitative analysis, analytical methods and programming, while simultaneously developing vital business skills, providing an exceptionally strong, comprehensive foundation of knowledge to begin practice in data science.

## TARGET AUDIENCE:

Elmhurst's master's in data science program welcomes applicants from all industries and backgrounds who hold an undergraduate degree in any major and who wish to begin practice in data science.

## ADMISSION REQUIREMENTS:

- Undergraduate degree in any major.
- Completion of a basic course in statistics (with a grade of 'C' or better) and prior coursework in programming.
- At least one year of professional experience (may be waived with directors' approval).
- Official transcripts from all graduate and undergraduate institutions you have attended.
- An application for admission to graduate study from Elmhurst College.
- Three professional recommendations from individuals who can comment on your leadership qualities, communication skills, personal motivation and capacity to succeed in graduate study.
- A statement of purpose (1,000 words) describing your personal and professional goals and how the completion of the graduate degree will enhance them.
- A current résumé documenting your work history.

Interested students are not required to submit graduate examination scores. The program director may require TOEFL scores. All candidates will be required to appear for an interview.

## COST:

\$870 per semester hour

## APPLICATION PROCESS:

To apply for admission, contact the Office of Admission at (630) 617-3400 or [admit@elmhurst.edu](mailto:admit@elmhurst.edu).

## ACADEMIC CALENDAR:

Semesters.

## DELIVERY MODE:

Students complete the coursework fully online through eight-week sessions. Students may apply to this program for the fall and spring terms.

## LOCATION(S) OF COURSES:

Online

## TEXTBOOK PURCHASE:

College bookstore, the Book Cellar, at <http://www.becksbooks.com/textbook/elmhurst-college-home>

## TRANSFER HOURS POLICY:

Up to 2 graduate courses from an accredited college/university will be considered at the discretion of the program director.

## TOTAL HOURS NEEDED:

30 semester hours

## FINANCIAL AID INFO:

<http://www.elmhurst.edu/admission/financial-aid>

## SPECIAL CHARACTERISTICS:

This unique, part-time program is offered entirely online and students may complete the program in two years. Students complete two project-based courses, providing an environment for integrating lessons learned from the program's multi-faceted approach and for refining skills necessary to put the program's theoretical knowledge to work in realistic and changing circumstances. Students have the option to focus their studies around professional and personal interests by taking two electives. Elmhurst also offers a graduate certificate in data science.

## CONTACT PERSON(S):

Sherry Bucaro  
Office of Admission  
Phone: (630) 617-3069  
FAX: (630) 617-6471  
E-mail: [sherry.bucaro@elmhurst.edu](mailto:sherry.bucaro@elmhurst.edu)

Dr. Jim Kulich  
Program Director  
Phone: (630) 617-3575  
FAX: (630) 279-0227  
E-Mail: [jimk@elmhurst.edu](mailto:jimk@elmhurst.edu)

## ADDRESS:

Elmhurst College  
190 Prospect Avenue  
Elmhurst, IL 60126-3296

## WEBSITE:

<http://www.elmhurst.edu/academics/graduate>

## REQUIRED COURSES:

MDS 523 Data Warehousing  
MDS 534 Data Mining and Business Intelligence  
MDS 535 Programming Languages and Environments  
MDS 546 Quantitative Methods  
MDS 549 Data Mining Project  
MDS 556 Analytical Methods  
MDS 564 Advanced Data Mining and Analytics  
MDS 576 Research Methods in Data Science  
Two Graduate-Level Electives