

MASTER OF SCIENCE IN DATA SCIENCE

DEGREE PROGRAM

How one communicates, socializes, spends leisure time, and conducts business has moved to the Internet. This has resulted in an explosion of data that is changing the world. How one uses this data is now a societal concern. Emboldened by our Jesuit heritage, Regis University's Master of Science in Data Science degree program empowers students to develop techniques for the discovery of information in data in a socially responsible manner. This program is designed for students who want to pursue a graduate education in the fields of data science, data analytics and data engineering.

DEGREE REQUIREMENTS

Courses are offered 100% online six times per year and on campus two times per year (August and January), in a campus cohort format.

Pre-Requisite Requirements (3 credit hours)

If required, must complete the following:

- ▶ MSC 575 - Statistical Computing

Core Requirements (18 credit hours)

- ▶ MSDS 600 – Introduction to Data Science
- ▶ MSDS 610 – Data Engineering
- ▶ MSDS 640 – Ethics, Privacy and Social Justice in Data Science
- ▶ MSDS 650 – Data Analytics
- ▶ MSDS 660 – Statistical Methods and Experimental Design
- ▶ MSCC 697 – Information Technology Research Methods

Data Science Electives (12 credit hours)

Select 4 classes from the following:

- ▶ MSDS 620 – Data Collection and Preparation
- ▶ MSDS 630 – Big Data Design Patterns
- ▶ MSDS 662 – Exploratory Data Analysis
- ▶ MSDS 664 – Statistical Inference and Predictive Analytics
- ▶ MSDS 670 – Visualization
- ▶ MSDS 672 – Visualization Using Open Source Tools
- ▶ MSDS 680 – Machine Learning
- ▶ MSDS 682 – Text Analytics
- ▶ MSDS 684 – Optimal Decision Making
- ▶ MSDS 686 - Deep Learning
- ▶ MSDS 688 - Artificial Intelligence

Degree Completion Requirements (6 credit hours)

- ▶ MSDS 692 – Data Science Practicum I
- ▶ MSDS 696 – Data Science Practicum II

Total Degree Requirements = 36 credit hours (39 if pre-requisite is required)

ADMISSION REQUIREMENTS

- ▶ Completed application with \$50.00 fee
- ▶ Official degree-bearing transcript
- ▶ Resume
- ▶ Essay
- ▶ Minimum 3.0 GPA
- ▶ Relevant work experience or relevant bachelor's degree

To start your application and learn about additional admission requirements, visit Regis.edu/apply.

TUITION (2018-19 ACADEMIC YEAR)

- ▶ \$780 per credit hour
- ▶ \$75 Technology Fee (per course)

FINANCIAL AID

In 2017-18, Regis University provided more than \$134 million in federal, state and institutional financial aid to its eligible students. To learn more about financial aid options, contact the Financial Aid Office at 800.568.8932 or visit Regis.edu/financialaid.

CLASSES START SOON

Please visit the academic calendar to see when classes start at www.Regis.edu/Calendar

GET STARTED TODAY

Working with you one-on-one, your Regis admissions counselor can help you decide which program is the best fit for your goals, what options can save you time and money and assist with the online application process.

800.944.7667 ruadmissions@regis.edu
regis.edu/CCIS

Regis University is regionally accredited by the Higher Learning Commission.