



MASTER OF SCIENCE IN DATA SCIENCE

About the Program

The 36-credit Master of Science degree in Data Science is designed for students who have completed their undergraduate degree in Computer Science, Information Technology, Computer Information Systems, or a similar program. This graduate degree program gives you an opportunity to seek career advancement or to enhance your theoretical and practical skills in coding, data modeling, data mining, machine learning, networking, big data, cloud architecture, statistical computing, and technical analytic techniques. As a graduate, you will possess skills for utilizing leading edge resources such as Hadoop, AWS, SAS, JMP, and Tableau; and languages such as SQL, Python and R.

Career Opportunities

Graduates of the MS in Data Science program will be qualified for employment as a Data Scientist, Data Analyst, Data Statistician, Predictive Analyst, Technical Analyst, Data Engineer, Machine Learning Engineer, or Instructor in private, government, and non-profit sectors. The program also prepares you for various industry- recognized certifications.

Flexible Study Options

On-Campus/Hybrid/Virtual

Academic Calendar & Application Deadlines

Semester	Complete by:
Fall (Sep–Dec)	August 30
Winter (Jan–Apr)	December 30
Spring (Apr–Aug)	April 30

International applicants are encouraged to apply three months before the start date.

Contact Information

U.S. Citizens/Permanent Residents

Bronx Campus

Monroe University King Graduate School
2375 Jerome Avenue
Bronx, NY 10468

New Rochelle Campus

Monroe University King Graduate School
145 Huguenot Street,
New Rochelle, NY 10801

International Students

Monroe University King Graduate School
Office of International Programs
145 Huguenot Street,
New Rochelle, NY 10801

Students applying to the Saint Lucia Campus should send correspondence to:

Monroe University
P.O. Box CP5419, John Compton Highway
Castries LC04 101, Saint Lucia

Prerequisites

KG 570 — Foundations of Computer Science
KG 571 — Foundations of Programming
KG 573 — Foundations of Database
KG 574 — Foundations of Computer Networks
KG 578 — Business Analytics Foundations

For more information about the Master of Science in Data Science

please contact the King Graduate School or visit our website:

Phone: 1.800.556.6676; Email: king@monroeu.edu; Website: www.monroeu.edu/king

Required Core Courses (27 credits)

KG 604 Graduate Research & Critical Analysis

CS 617 Statistical Computing

CS 628 Data Science

CS 630 Database Systems

CS 633 Data Mining

CS 650 Artificial Intelligence

CS 655 Machine Learning

CS 675 Big Data: Management & Analytics

Elective Courses (9 credits)

Select three of the following:

CS 640 Computer Networks or Elective

CS 645 Computer Security & Privacy

CS 665 Analytic Techniques or Elective

CS 670 Cloud Computing

CS 707 Research Topics in Data Science

Capstone Seminar (3 credits)

CS 703 Applied Data Science Project (capstone)

Note: International students may take 2 courses per semester plus a 1-credit CPT course to meet the full-time requirement.