

About the Program

If you have an earned graduate degree in Computer Science, IT, CIS, or a similar program, this 18-credit Advanced Certificate program is the next step to increase your marketability in the growing field of Data Science. Industries worldwide know that developing their data science capabilities is necessary to remain competitive. Governments, nonprofits, and NGOs recognize the huge impact of predictive analytics on their work.

The goal of the Advanced Certificate program in Data Science is to prepare competent, ethical practitioners with strong theoretical and practical skills in coding, data modeling, statistical computing, data visualization, forecasting, and technical analytic techniques.

Additionally, students will build competencies in:

- ▶ Big Data
- ▶ Data Science
- ▶ Cloud Technologies
- ▶ Artificial Intelligence
- ▶ Machine Learning
- ▶ Statistical Programming

Monroe's 18-credit Advanced Certificate in Data Science is available on-site, online, and in a hybrid format.

Academic Calendar & Application Deadlines

Semester	Complete Admissions by:
Fall (September–December)	August 31
Winter (January–April)	December 31
Spring (April–August)	April 15

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



Contact Information

U.S. Citizens/Permanent Residents

All admissions related correspondence should be sent to the campus of your choice.

Bronx Campus
King Graduate School
Monroe College
2375 Jerome Avenue
Bronx, NY 10468

New Rochelle Campus
King Graduate School
Monroe College
434 Main Street
New Rochelle, NY 10801

International Students

All international admissions related correspondence should be sent to:

King Graduate School
Monroe College
Office of International Programs
434 Main Street
New Rochelle, NY 10801

Students applying to the St. Lucia Campus should send correspondence to:

St. Lucia Campus
P.O. Box CP5419
John Compton Highway
Castries LC04 101
St. Lucia

For more information about the Advanced Certificate in Data Science, please contact the King Graduate School or visit our website:
Phone: 1-800-556-6676; Email: king@monroecollege.edu; Website: www.monroecollege.edu/king

ADVANCED CERTIFICATE IN DATA SCIENCE

The Advanced Certificate in Data Science is an 18-credit program designed to be completed in three semesters of full-time study. Students may complete the program in two semesters with the approval of the dean.

Required Courses (18 credits)

CS 617 – Statistical Computing

CS 628 – Data Science

CS 665 – Analytic Techniques

CS 655 – Machine Learning

CS 675 – Big Data: Management and Analytics

CS 703 – Applied Data Science Project

Admission Requirements

Admission to the Advanced Certificate in Data Science is open to individuals who hold a Master's degree or its international equivalent in a related field from an accredited institution. Admission decisions are based on a holistic evaluation of each applicant.

Applicants seeking admission to the advanced certificate program must provide the following:

- ▶ Completed admission application
- ▶ Personal statement
- ▶ Official transcripts (from all prior graduate programs of study)
- ▶ Two professional recommendations
- ▶ Current resume

Candidates participate in an interview either virtually or in person with an admissions committee representative.



S.E.V.I.S.
Student and Exchange Visitor Information System

Monroe College's Advanced Certificate in Data Science is approved by the Student and Exchange Visitor Program (SEVIS).

WWW.MONROECOLLEGE.EDU/KING

For consumer information about this program and its graduates, go to www.monroecollege.edu/info.