

About the Program

The Master of Science (M.S.) in Computer Science program is designed for students who have completed their undergraduate degree in Computer Science, Information Technology, Computer Information Systems or a similar program and who seek to enhance their theoretical, analytical and practical skills through an advanced degree in Computer Science. Achieving an M.S. degree in Computer Science provides career opportunities in computer, financial, healthcare, media/telecom, defense, entertainment, retail, real estate, education, government and non-profit industries/entities.



Academic Calendar & Application Deadlines

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

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

Pre-requisite Criteria

One credit foundation core courses may be required for M.S. in Computer Science students with non-computer backgrounds.

KG 570 — Foundations of Computer Science

KG 571 — Foundations of Programming

KG 572 — Foundations of Web Design

KG 573 — Foundations of Database

KG 574 — Foundations of Computer Networks

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 M.S. Degree in Computer 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

MASTER OF SCIENCE IN COMPUTER SCIENCE

The Master of Science in Computer Science program is designed to enhance theoretical, analytical and practical skills through a solid foundation in the areas of programming, web design, database management system, networking and project management. Students will also study the cutting-edge technologies including cybersecurity, cloud computing, artificial intelligence and mobile computing. Computer Science is the driving force behind the way we live our lives in this technology-driven world.

Core Courses

The Masters of Science in Computer Science is a 36 credit program consisting of 8 core courses (21 credits), 3 elective courses (9 credits), and a thesis/project (6 credits).

PROFESSIONAL CORE

KG 601 — Research and Critical Analysis (1 credit)

KG 602 — Ethics and Leadership: An Interdisciplinary Perspective (2 credits)

CS 610 — Computer Architecture

CS 615 — Operating System Design

CS 620 — Software System Design

CS 625 — Object Oriented Software

CS 630 — Database Systems

CS 640 — Computer Networks

Elective Courses (any 3 courses — 9 credits)

CS 627 — Human Computer Interface Design

CS 633 — Data Mining

CS 635 — Mobile Computing

CS 637 — Designing e-Commerce Site

CS 645 — Computer Security & Privacy

CS 650 — Artificial Intelligence

CS 660 — Managing Projects, Resources & Risks

CS 670 — Cloud Computing

Graduate Thesis/Project (6 credits)

CS 700 / 701 — Special Project in Computer Science

or

CS 705 / 706 — Computer Science Thesis

** CS 700/701 or CS 705/706 can be taken in two semesters by registering for 3 credits in each semester*

Additional General Electives

KG 689 - KG 697 – Graduate Professional Experience (Pre-internship and Level I through Level VIII)*

*These graduate professional experience courses do not count toward the credit requirements for completion of the degree program

WWW.MONROECOLLEGE.EDU/KING

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