KING GRADUATE SCHOOL
MONROE UNIVERSITY

MASTER OF SCIENCE IN COMPUTER SCIENCE

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.

Career Opportunities

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.

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

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@monroeu.edu; **Website:** www.monroeu.edu/king

WWW.MONROEU.EDU/KING

See reverse side for course requirements

MASTER OF SCIENCE IN COMPUTER SCIENCE

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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.

Prerequisites

One credit foundation core courses may be required

M.S. in Computer Science students with non-com backgrounds.

KG 570 — Foundations of Computer Science

KG 571 — Foundations of Programming

KG 573 — Foundations of Database

KG 574 — Foundations of Computer Networks

Core Courses

The Master 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 604 Graduate Research and Critical Analysis

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 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 / 697 Graduate Professional Experience (Pre-internship and Level I through Level VIII)*