

# 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

## Academic Calendar & Application Deadlines

Semester	Complete by:
Fall (Sep–Dec)	August 31
Winter (Jan–Apr)	December 31
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@monroe.edu](mailto:king@monroe.edu); Website: [www.monroe.edu/king](http://www.monroe.edu/king)

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

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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

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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

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## Elective Courses (any 3 courses 9 credits)

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KG 604 Graduate Research and Critical Analysis  
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

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## Graduate Thesis/Project (6 credits)

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CS 700 / 701 Special Project in Computer Science

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CS 705 / 706 Computer Science Thesis

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

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## Additional General Electives

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

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