unlimited
possibilities

NORTH
AMERICAN
UNIVERSITY

MASTER OF SCIENCE IN
COMPUTER SCIENCE

This program is designed to empower students with extensive knowledge and practical experience to analyze, design, procure, manage, and implement cutting-edge technologies.

For a M.S. degree in Computer Science, students are required to complete 30 semester credit hours: 12 credits of core courses, 12 credits of emphasis courses, and 6 credits of elective courses.

Students who do not have a background in computer science are required to take a short series of courses to provide the necessary background knowledge for graduate study in computer science.

- **COMPLETE YOUR DEGREE IN 30 CREDIT HOURS (10 COURSES)**
- **ONLINE AND FACE-TO-FACE OPTIONS ARE AVAILABLE**
- **GRE NOT REQUIRED**

- **INTERNATIONAL STUDENTS ARE ELIGIBLE FOR 12 MONTHS OPTIONAL PRACTICAL TRAINING (OPT) AS WELL AS A 24-MONTH STEM OPT EXTENSION IN ADDITION TO THE 12 MONTHS**

LEVELING COURSES

COMP 1412 *Introduction to CS II*
COMP 2313 *Data Structures*
COMP 3322 *Software Engineering*
COMP 3324 *Computer Networks*

CORE COURSES (12 CREDITS)

COMP 5327 *Advanced Algorithms*
COMP 5328 *Computer Architecture*
COMP 5329 *Advanced Operating Systems*
COMP 5393 *Capstone Project*

SOFTWARE ENGINEERING CONCENTRATION (12 CREDITS)

COMP 5342 *Advanced Web App. Development*
COMP 5353 *Data Mining*
COMP 5356 *Software Project Management*
COMP 5339 *Software Analysis and Design*

NETWORKING CONCENTRATION (12 CREDITS)

COMP 5331 *Cloud Computing*
COMP 5351 *Network Administration*
COMP 5352 *Internetworking Technology*
COMP 5358 *Wireless Networking*

DATA ANALYTICS CONCENTRATION (12 CREDITS)

COMP 5354 *Business Intelligence*
COMP 5337 *Machine Learning*
COMP 5355 *Data Analysis*
COMP 5353 *Data Mining*

CYBER SECURITY CONCENTRATION (12 CREDITS)

COMP 5334 *Adv. Computing & Networking Security*
COMP 5333 *Cyber Crime Investigation*
COMP 5335 *Web, Cloud, and Mobile Security*
COMP 5336 *Computer Forensics*

SOFTWARE ENGINEERING CONCENTRATION (12 CREDITS)

COMP 5398 *Internship*
COMP 5399 *Special Topics*
Or any graduate level Computer Science courses.

The master of science in computer science program at North American University focuses on Cyber Security, Data Analytics, Networking and Software Engineering

DATA ANALYTICS

The Master of Science in Data Analytics program is designed to provide students with a comprehensive foundation for applying statistical methods to solve real-world problems.

One goal of this program is to prepare students for careers in data analytics with a broad knowledge of the application of statistical tools, techniques, and methods as well as the ability to conduct in-depth analysis, synthesis, and evaluation.

Another goal is to prepare students for careers with analytical knowledge, the ability to apply analytical tools, techniques, methods, and the ability to design, develop, implement, program, and maintain data.

Cyber Security

Every day seems to bring another headline about a major computer security violation, whether at a corporation, government agency, or communications system. From online banking to electronic commerce to transportation operations, our world increasingly depends on a cyber infra- structure. Hardening these diverse software and control systems against malicious users has become a national priority.

To achieve this goal, there is a broad need for computer experts with the deep technical training and expertise to protect networks. To meet the demand, we offer our master's students in the Computer Science department the opportunity to concentrate in cyber security.

The concentration courses focus on technical issues related to safe software, languages, and architectures, as well as broader societal issues of privacy and legal ramifications.

NETWORKING

Networking courses establish with a broad foundation in information technology (IT), & an in-depth understanding of computer data communication and modern networking.

The courses provide a comprehensive understanding of network design and implementation, network performance analysis and management, network security, and the latest networking technology.

Software Engineering

Software Engineering courses focus on applying the principles of engineering to the software development field.

It is a systematic, disciplined approach to the design, implementation, test, maintenance, and reengineering of the software. Software Engineering makes profound changes to every aspect of human life.

Study in houston, ranked HOUSTON the №1 city for recent college graduates

HOW TO APPLY

Please apply online at www.na.edu and submit the following items:

NO GRE REQUIRED

° *A non-refundable application fee (payment available online)*

° *Official Bachelor degree transcript (non-U.S. transcripts must be evaluated by an accredited agency)*

° *Letter of intent*

° *Curriculum vitae*

° *Two letters of recommendation*

° *TOEFL score or evidence of English language proficiency*

For more information please email info@na.edu or call 832 230 5555 to speak with a graduate advisor.

FULL PROGRAM TUITION *

RESIDENT
$9,900

Financial aid available for U.S. students who qualify

INTERNATIONAL
$19,900

* Semester fees will apply

FAFSA CODE : 041795
TOEFL CODE : 7304