

Computer Engineering

Master of Science

Description

The Master of Science in Computer Engineering seeks to equip students with the competencies required for leadership roles in industry or for further advanced studies in the discipline. Entering students typically possess an undergraduate degree in computer engineering or related areas. The program requires the completion of 36 credits over two years.

The Carolina University MS in Computer Engineering is designed with the needs of a rapidly changing computer engineering industry in mind. It incorporates internships and experiential learning opportunities in order to give students exposure to developments in the real world.

Coursework in the program includes topics such as embedded systems, wireless communications, networking, cybersecurity, and more.

Carolina University offers generous academic scholarships based on merit and need.

Admissions Requirements

- A bachelor's degree or equivalent from a recognized college or university
- GPA of 2.7 or higher
- Official transcripts from all previously attended schools
- Completed application with Carolina University

Degree Requirements

- The maximum time limit to complete the program is five years or 150% of the credits, whichever the student reaches first.
- A minimum of 30 credit hours must be completed at CU.
- Up to 50% of the required credit hours can be transferred.
- Graduation is contingent upon the completion of 60 hours of prescribed courses with a minimum cumulative GPA of 3.00.

Courses

Program Core (30 Credit Hours)

[CSC 530 - Algorithms & Data Structures](#)

3 Credit Hours

[CSC 625 - Java Programming](#)

3 Credit Hours

[CSC 665 - Artificial Intelligence](#)

3 Credit Hours

[DCS 620 - Data Visualization & Dashboarding](#)

3 Credit Hours

[DCS 630 - Algorithms for Data Science](#)

3 Credit Hours

[DCS 635 - Machine Learning](#)

3 Credit Hours

[ELE 510 - Sensor Networks](#)

3 Credit Hours

[ELE 530 - Digital Circuits](#)

3 Credit Hours

[ELE 540 - Micro-Fabrication of Wireless Communication](#)

3 Credit Hours

[ELE 570 - Micro-Fabrication within Drones](#)

3 Credit Hours

Project/Thesis or Electives (6 Credit Hours)

[CSC 690 - Project/Thesis I](#)

3 Credit Hours

[CSC 695 - Project/Thesis II](#)

3 Credit Hours