Fall 2026 MS Courses

Category A: In-person Courses	Category A: Online Courses
CSCI 5446: Theory of Automata Instructor: Tom Altman	**CSCI 5451: Algorithms** Instructor: Mazen Al Borno

Category B: In-Person Courses	Category B: Online Courses
CSCI 5230: NLP and GenAI Instructor: Farnoush Banaei-Kashani Prerequisite- CSCI 3412: Algorithm **CSCI 5625: Computer Vision** Instructor: Mazen Al Borno **CSCI 5743: Cyber/Infrastructure Defense** Instructor: Haadi Jafarian **CSCI 5750: Satellite Communication & Networking** Instructor: Xiaojian Wang **CSCI 5765: Computer Networks** Instructor: Ilkyeun Ra **CSCI 5771: Intro to Mobile Computing** Instructor: Zhengxiong Li **CSCI 5800-001: AI in Cybersecurity** Instructor: Tiago Barreto Goes Perez **CSCI 5800-002: Data Security** Instructor: Victor Kebande	**CSCI 5580: Data Science** Instructor: Farnoush Banaei-Kashani Prerequisite- CSC 3412: Algorithm **CSCI 5772: Mobile and IoT Security** Instructor: Zhengxiong Li **CSCI 5741: Cybersecurity Principles** Instructor: Haadi Jafarian **CSI 5933: Reinforcement Learning** Instructor: Ashis Biswas

Category C: In-Person
CSCI 5010: Software Architecture Instructor: Paul Newell

Fall 2026 Courses to Satisfy MS Course Project
CSCI 5230: NLP and GenAI

Instructor: Farnoush Banaei-Kashani

CSCI 5625: Computer Vision
Instructor: Mazen Al Borno

CSCI 5743: Cyber/Infrastructure Defense
Instructor: Haadi Jafarian

CSCI 5750: Satellite Communication & Networking
Instructor: Xiaojian Wang

CSCI 5765: Computer Networks
Instructor: Ilkyeun Ra

CSCI 5771: Intro to Mobile Computing
Instructor: Zhengxiong Li

CSCI 5580: Data Science
Instructor: Farnoush Banaei-Kashani

CSCI 5772: Mobile and IoT Security
Instructor: Zhengxiong Li

CSI 5933: Reinforcement Learning
Instructor: Ashis Biswas

Special Topics Course Descriptions:

CSCI 5800-001: AI in Cybersecurity-This course explores the intersection of artificial intelligence (AI) and cybersecurity, examining how machine learning and data-driven techniques are used to detect, prevent, and respond to modern cyber threats. Students will study foundational AI and machine learning concepts and apply them to real-world security challenges such as intrusion detection, malware classification, log analytics, and threat intelligence. By the end of the course, students will understand both how AI strengthens cybersecurity defenses and how AI systems themselves must be secured, governed, and responsibly deployed.

CSCI 5800-002: Data Security- This course explores advanced topics in Data Security, focusing on data-driven security and how digital data can be protected across its various types and states. Students will conduct threat modeling for data systems, simulate data breaches and examine ethical and legal considerations, and apply modern security

measures including machine learning protection and compliance tools. This course provides both theoretical frameworks and hands-on perspectives to enable students to critically evaluate and implement data protection strategies in diverse environments.