

**Fall 2023 Graduate Category A Courses**

- **CSCI 5446 Theory of Automata**, Altman  
  ○ Foundational Pre-Req: CSCI 2312, 2421, 2511, & 3412
- **CSCI 5451 Algorithms**, Gethner  
  ○ Foundational Pre-Req: CSCI 2312, 2421, 2511, & 3412

**Fall 2023 Graduate Category B Courses**

- **CSCI 5220 Social Networks and Informatics**, Debnath  
  ○ Foundational Pre-Req: CSCI 2312, 2421, 2511, & 3412
- **CSCI 5570 Virtual and Augmented Reality**, Choi  
  ○ Foundational Pre-Req: CSCI 2312, 2421, 2511, & 3412
- **CSCI 5743 Cyber & Infrastructure Defense**, Jafarian  
  ○ Foundational Pre-Req: CSCI 2312, 2421, 2511, 3412, 3453, & 4591  
  ○ Required for the Cyber Security and Defense Certificate
- **CSCI 5765 Computer Networks**, Ra  
  ○ Foundational Pre-Req: CSCI 2312, 2421, 2511, & 3412  
  ○ Required for the Cyber Security and Defense Certificate
- **CSCI 5800 Computer Vision**, Al Borno  
  ○ Foundational Pre-Req: CSCI 2312, 2421, 2511, 3412, & 3453
- **CSCI 5800 Advanced Topics in Cybersecurity**, Jafarian  
  ○ Foundational Pre-Req: CSCI 2312, 2421, 2511, 3412, 3453, & 4591
- **CSCI 5800 Graph Neural Networks**, Banaei-Kashani  
  ○ Foundational Pre-Req: CSCI 2312, 2421, 2511, 3412 & 4591
- **CSCI 5920 Computer Game Design & Programming**, Choi  
  ○ Foundational Pre-Req: CSCI 2312, 2421, 2511, & 3412
- **CSCI 5930 Machine Learning**, Biswas  
  ○ Foundational Pre-Req: CSCI 2312, 2421, 2511, & 3412
- **CSCI 5952 Big Data Science**, Banaei-Kashani  
  ○ Foundational Pre-Req: CSCI 2312, 2421, 2511, & 3412

*Students with only CSCI 3412 as a foundational pre-req can take up to only one course per semester from the following graduate courses:*

- **CSCI 5765 Computer Networks**, Ra  
- **CSCI 5800 Advanced Topics in Cybersecurity**, Jafarian  
- **CSCI 5800 Graph Neural Networks**, Banaei-Kashani

**Fall 2023 Courses to Satisfy MS Course Project- see next page**
Fall 2023 Courses to Satisfy MS Course Project

- CSCI 5570 Virtual and Augmented Reality, Choi
- CSCI 5765 Computer Networks, Ra
- CSCI 5800 Graph Neural Networks, Banaei-Kashani
- CSCI 5800 Advanced Topics in Cybersecurity, Jafarian
- CSCI 5920 Computer Game Design & Programming, Choi
- CSCI 5930 Machine Learning, Biswas
- CSCI 5952 Big Data Science, Banaei-Kashani