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| REQUIREMENTS | SUGGESTED SEQUENCES |
| **Admission Requirements**  In addition to the requirements listed in the Graduate Admission section, candidates must satisfy all of the following:  1. **Grade point average of 3.0** (B) from all undergraduate coursework or a satisfactory score on the GRE or GMAT test.  2. **Resume** detailing work experiences and accomplishments.  3. **Personal statement** of career goals and background experiences, including an explanation of how this program will help achieve educational and professional objectives.  4. **Recommendations:** Two professional or academic recommendations received online, addressing the candidate’s potential for graduate study completion. You will provide the emails of two references, and they will be sent a link to fill out their online recommendation.  **Degree Requirements**  All candidates for the degree must complete 33 credits, as indicated:  **Foundation Requirements (3 credits)**   * CIS 500 Fundamentals of Software Practice   **Core Requirements (24 credits)**   * CIS 518 Secure Software Engineering * CIS 553 Ethical Hacking * CIS 555 Applied Cryptography * CIS 615 Information Security Principles * CIS 616 Data Security and Privacy * CIS 617 Digital Forensics and Investigations * CIS 619 Data Analytics for Cybersecurity * CIS 654 Computer Networking   **Elective Requirements (3 - 9 credits)**  The number of electives needed depends on the capstone option. Approved electives:   * CIS 635: Knowledge Discovery and Data Mining * CIS 655: Cloud Applications Development * CIS 656: Distributed Systems * CIS 677: High-Performance Computing * CIS 678: Machine Learning   **Capstone Requirements (3 or 6 credits)**  Each candidate must complete either the project course or the thesis sequence. Please contact the graduate program director one semester prior to starting any of these.  Thesis sequence:   * + CIS 690 Thesis Research Preparation   + CIS 695 Master's Thesis   Project course:   * CIS 693 Master's Project | Two suggested course sequences are provided below. These are suggestions only – work with your advisor to design a schedule to fit your specific needs.  \*Students starting in Fall\*  **First Year** Fall CIS 500 Fundamentals of Software Practice  CIS 615 Information Security Principles  CIS 616 Data Security and Privacy   Winter CIS 555 Applied Cryptography  CIS 617 Digital Forensics and Investigations  CIS 654 Computer Networking Second YearFall CIS 518 Secure Software Engineering  CIS 619 Data Analytics for Cybersecurity  Elective or CIS 690 Winter CIS 553 Ethical Hacking  CIS 69X Master’s Project or Thesis  \*Students starting in Winter\*  **First Year** Winter CIS 500 Fundamentals of Software Practice  CIS 615 Information Security Principles  CIS 616 Data Security and Privacy   Fall CIS 518 Secure Software Engineering  CIS 619 Data Analytics for Cybersecurity  CIS 654 Computer Networking Second YearWinter CIS 555 Applied Cryptography  CIS 617 Digital Forensics and Investigations  Elective or CIS 690 Fall CIS 553 Ethical Hacking  CIS 69X Master’s Project or Thesis |