**MS in Cybersecurity**

**Home department:** Mathematics

**Primary department admission contact:** Kathy May (kjmay@iastate.edu)

**Primary faculty contact:** Jennifer Newman (jlnewman@iastate.edu)

**Application Guidelines**

* **Undergraduate work:** A 4-year university degree is required (see below for details). A bachelor’s degree in Mathematics or a closely-related discipline is recommended.
* **Academic Performance:** A cumulative undergraduate grade point average comparable to a “B+” average or 3.30 out of a possible 4.00, and ranking in the top quartile (25%) of the graduating class.
* **Standardized Aptitude Test Scores:** Submission of the official Quantitative, Analytical, and Verbal GRE scores is REQUIRED. Advanced/Subject GRE is not required, but strongly recommended. We will accept either the paper- or computer-based test scores.
* **English Language Proficiency:** A minimum TOEFL score of 79 or IELTS of 6.5 for nonnative English speakers is required as part of the application process.

**Typical Program of Study for Masters of Science (30 credits total):**

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| **Course** | **Credits** | **Course Title** |
| CYBSC Core: |  |  |
| CYBSC 530 | 3 | Network Protocols and Security |
| CYBSC 531 | 3 | Information System Security |
| CYBSC 534 | 3 | Legal and Ethical Issues in Computer Security |
| Math Core: |  |  |
| Math 504 | 3 | Abstract Algebra I |
| CYBSC 533 | 3 | Cryptography |
| Math 505 or 510 | 3 | Algebra II or Linear Algebra |
| Electives: |  |  |
| Mathematics | 3-6 | Any 500- or 600-level courses in Mathematics |
| CYBSC | 3 | One other CYBSC course |
| One of two options: |  |  |
| Cpr E 599 | 3 | Creative Component (non-thesis MS) |
| Cpr E 699 | 6 | Thesis Research (thesis MS) |