# INFORMATICS | MASTER OF PROFESSIONAL STUDIES (CYBER SECURITY)

## Cyber Security Curriculum

With the ever-changing threats on the internet, Cybersecurity has become more important than ever. Fort Hays State University Informatics has pursued and received the designation as a National Center of Academic Excellence in Cyber Defense, an accreditation by the National Security Agency (NSA) and the Department of Homeland Security (DHS).

All courses are available on campus and through FHSU Online. Please consult with the Department of Informatics (informatics@fhsu.edu) regarding course availability in specific semesters in order to assemble a program of study.

| Code | Title | Hours |
|---|---|---|
| **Core** | | |
| INF 890 | Graduate Research Methods in Informatics | 3 |
| INF 802 | Proseminar in Informatics | 3 |
| INF 684 | Foundations of Information Systems Security (CISSP Prep) | 3 |
| **Major** | | |
| INF 678 | Seminar in Informatics | 3 |
| INF 876 | Graduate Professional Topics in Informatics (Information Systems Forensics) | 3 |
| INF 876 | Graduate Professional Topics in Informatics (Network Defense) | 3 |
| INF 876 | Graduate Professional Topics in Informatics (Penetration Testing) | 3 |
| **Cognates** | | |
| Select two courses from the following: | | 6 |
| INF 686 | Network Security Firewalls | |
| INF 678 | Seminar in Informatics (Virtualized Hardware) | |
| INF 678 | Seminar in Informatics (Web Security) | |
| INF 671 | Linux in Networking | |
| INF 672 | Advanced Linux in Networking | |
| Please contact your advisor for more options. | | |
| **Culminating Experience** | | |
| INF 891 | Graduate Capstone Seminar in Informatics | 3 |
| **Total Hours** | | **30** |

This program will prepare students for these industry certifications:

- Certified Information Systems Security Professional (CISSP)
- AWS Certified Security Specialty
- CompTIA Security+
- CompTIA PenTest+
- Certified Ethical Hacker
- Certified Network Defender
- Splunk> Core Certified User
- Palo Alto Network Security Administrator (PCNSA)
- Linux Professional Institute Administrator (LPIC-1)

## Graduate School Graduation Requirements

### All Graduate degrees [1] require:

- Maintain a C or higher in all coursework.
- Maintain a cumulative GPA of 3.0 or higher. (Refer to program)
- A minimum of 30-75 hours of Graduate course work. (Refer to program)
- Comprehensive Examination or equivalent assessment is required. (Master of Liberal Studies requires a Comprehensive Examination **and** Concentration Exam)
- Degree completion within 8 years.

[1] Refer to degree program for any additional requirements.