

Information Security & Intelligence, 5 year BS and MS

Program Curriculum Checksheet

Why Choose the 5-Year Bachelor and Master of Science in Information Security and Intelligence?

This unique dual enrollment opportunity allows students to begin graduate studies once they have acquired senior status in the ISIN Bachelor program. MISI 629 can be used for ISIN 429 and PROJ 640 can be used for PROJ 320. Alternately, one MISI course can be used as an undergraduate directed elective. As a result, two courses can be used toward both degrees.

Application and acceptance to the MS-ISI program is required prior to enrolling in graduate level courses and full admission to the MS-ISI program will begin the semester after completion of the Bachelor of Science in Information Security and Intelligence degree.

MS-ISI courses are specifically designed for flexible scheduling to serve both full-time students and part-time students who are working professionals.

The MS-ISI consists of eight core courses, including an integrated capstone project, and an Advanced Studies Certificate that focuses on the student's concentration of choice: Incident Response (computer security), Business Intelligence, or Project Management.

There are several things that distinguish the ISI programs as one of the top 25 in the nation and the premier cyber security:

- The *National Security Agency* and the *Department of Homeland Security* have designated Ferris State University as a **National Center of Academic Excellence in Cyber Defense Education.**
- The *Department of Defense Cyber Crime Center (DC3)* and the *Air Force Office of Special Investigations* has name Ferris State University as the first university in the United States to obtain designation as a **National Center of Digital Forensics Academic Excellence.**
- Michigan's most advanced digital forensic research lab equipped with EnCase, FTK, Nuix, Cellebrite, XRY, Passware Decryption Suite, Maltego, Shadow Dragon Social Net, i2, Stereo and Digital Laser microscopes, network segmentation, Steel Central, Burp Suite, and Palo Alto Academic Partner.
- Funded research grants from the National Science Foundation and various other foundations.
- Extensive publication record consisting of multiple journals, books and periodicals. Some of this work has been cited in the United States Supreme Court such as in the landmark

case Riley v. California.

- Students compete in various cyber security competitions and frequently finish in the top 10% nationally.
- Active student organizations including the Information Security & Intelligence Association and Women in Cybersecurity.
- Multiple faculty have been certified as an expert witness in various courts.
- Faculty that have the following certifications: CISSP, E|CSA, GIAC GSSP-.NET, GIAC GCIH, C|ND, CPTE, CLFE, CAN, C|SCU, PMP, EnCE, ACE, CEH, CAPM, Scrum Master.
- Faculty that average over 15 years of work experience ranging from leadership positions in multibillion dollar corporations to law enforcement and licensed professional investigator.
- Faculty that include a Distinguished Professor, Fulbright Scholar, and International Educator of the year.
- Faculty that have taught on 4 continents that includes teaching digital forensics to the entire federal cybercrime units in Chile and Perú
- A student body that includes graduates from over 50 countries.
- Alumni that have distinguished themselves as leaders dozens of organizations worldwide.
- Host site of Michigan's Cyber Range.
- Host of various summer camps and workshops.

Invest in Your Future

The BS in Information Security & Intelligence degree prepares students for a variety of career opportunities in fields such as Computer Forensics, Information Security, Intelligence/Big Data, Incident Response, and Mobile Security. Opportunities exist in the government, security, intelligence, health care, insurance, finance, and education fields.

The MS in Information Security & Intelligence (MS-ISI) program further develops students for careers in Business Intelligence, Incident Response (proactive and reactive in areas such as hacking and digital forensics), and Project Management utilizing secure practices. Positions include security officers, analysts, forensics experts, project managers, and technical managers.

Admission Requirements

To be considered for admission into the 5-Year Dual BS-ISIN and MS-ISI program, BS-ISIN students who have acquired senior status with a 3.0 cumulative GPA must submit the following documents:

- Completed application (*Free on-line application can be completed at <http://ferris.edu/admissions/application/homepage.htm>)*
- A current resume.
- A Statement of Purpose, approximately one page typed, explaining their reasons for

seeking admission into the MS-ISI program. *The Statement of Purpose should show that steps have been taken to learn about the MS-ISI program, explain what factors have influenced the decision to apply, and how this degree will help them achieve your short-term and long-term career goals.*

- Three academic or professional recommendation letters attesting to the applicants ability to succeed in graduate level studies.
- Official GMAT score of 500 or higher, OR GRE score in the upper 50% with a 2.5 or higher on the analytical writing portion. *(Waiver of test requirement will be considered if applicant has completed a previous Master's Degree or if the applicant has earned a Bachelor degree with a 3.5 or better GPA)*

Graduation Requirements

The MS-ISI is awarded to those individuals who have completed the 33 hour minimum program requirements with a cumulative GPA of 3.0 or greater. No grade below a C may apply toward graduation and no more than two C grades will apply toward graduation. Degree must be completed within five years from first semester of enrollment.

More Information

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