

Henry Ford College (HFC) Transfer Guide

The Information Security and Intelligence degree prepares you for a variety of career possibilities in fields that allow you to see your contribution in action. Computer Forensics, Fraud Investigation, Information Security, Intelligence, and Terrorism and Crime Analysis are a few of the possibilities. Opportunities exist in the government, security, intelligence, health care, insurance, finance, education and several other fields. The Information Security & Intelligence program is a National Security Agency and Department of Homeland Security National Center of Academic Excellence in Cyber Defense. Additionally, the program holds the National Center for Digital Forensic Academic Excellence designation from the Department of Defense Cyber Command Center (DC3) and the Air Force Office of Special Investigations. The ISI program is the first university program in the United States to receive Department of Defense Cyber Crime Center and Air Force Office of Special Investigations Center designation as a National Center of Digital Forensics Academic Excellence.

Communication Competency Requirements

| FSU Course | FSU Course Title | FSU Cr. Hrs. | HFC Equiv. | HFC Course Title | HFC Cr. Hrs. |
|--|---|--------------|--------------------------|--|---------------|
| COMM 105 or COMM 121 | Interpersonal Communication or Fundamentals of Public Speaking | 3 | SPC 145 OR SPC 131 | Interpersonal Communicat Or Fundamentals of public Speaking | 3 |
| ENGL 150 | English 1 | 3 | ENG 131 | Introduction College Writing | 3 |
| ENGL 250 | English 2 | 3 | ENG 132 | College Writing and Research | 3 |
| ENGL 311 or ENGL 321 or ENGL 325 | Advanced Technical Writing or Advanced Composition or Advanced Business Writing | 3 | No Equivalent | No Equivalent | No Equivalent |

Quantitative Literacy Requirements

| FSU Course | FSU Course Title | FSU Cr. Hrs. | HFC Equiv. | HFC Course Title | HFC Cr. Hrs. |
|----------------------------|--|--------------|------------|------------------|--------------|
| MATH 114 or MATH 115 | Quantative Reasoning for Professionals 2 or Intermediate Algebra | 4 or 3 | MATH 115 | College algebra | 5 |

Natural Sciences Competency Requirements – Two courses are required with a minimum of 6 credits: must have at least one lab course.

| FSU Course | FSU Course Title | FSU Cr. Hrs. | HFC Equiv. | HFC Course Title | HFC Cr. Hrs. |
|------------|---|--------------|------------|------------------|--------------|
| Varies | FSU General Education – Natural Sciences electives | 6 | Varies | Varies | Varies |

Culture Competency Requirements – Three courses are required with a minimum of 9 credits: must be from two different disciplines, have at least one 200 level or higher course, and have no more than 5 credits from Cultural Competency Activities. *A foreign language course is recommended.*

| FSU Course | FSU Course Title | FSU Cr. Hrs. | HFC Equiv. | HFC Course Title | HFC Cr. Hrs. |
|------------|--|--------------|------------|------------------|--------------|
| Varies | FSU General Education – Culture electives (foreign language recommended) | 9 | Varies | Varies | 9 |

Self and Society Competency Requirements – Three courses are required with a minimum of 9 credits: must be from two different disciplines and have at least one 200 level or higher course.

| FSU Course | FSU Course Title | FSU Cr. Hrs. | HFC Equiv. | HFC Course Title | HFC Cr. Hrs. |
|-------------------------|---|--------------|-----------------------|---|--------------|
| Varies | FSU General Education – Self and Society electives | 6 | Varies | Varies | 6 |
| ECON 201 or ECON 202 | Principles of Microeconomics or Principles of Macroeconomics | 3 | BEC 152 or BEC 151 | Principles of Microeconomics or Principles of Macroeconocs | 3 |

Information Security and Intelligence degree students must complete a total of 40 general education credits to meet College of Business and University requirements.

[Ferris State University General Education Program](#)

Students are encouraged to work with an advisor to select appropriate general education courses

Diversity Competency – 2 Courses Required

If not met by courses taken for Culture, Self and Society, or MTA, a student must meet the following:

- 1 course with the Global Diversity attribute
- 1 course with the U.S. Diversity attribute

College Requirements – 81 - 87 Credits Required**Business Core Requirements – 12 credits required**

| FSU Course | FSU Course Title | FSU Cr. Hrs. | HFC Equiv. | HFC Course Title | HFC Cr. Hrs. |
|------------|------------------------------------|--------------|---------------|--------------------------|---------------|
| ACCT 201 | Principles of Financial Accounting | 3 | BAC 131 | Principles Of Accounting | 4 |
| STQM 260 | Introduction to Statistics | 3 | No Equivalent | No Equivalent | No Equivalent |
| MGMT 301 | Applied Management | 3 | MGT 103 | Princ Mgt | 3 |
| MKTG 321 | Principles of Marketing | 3 | BBA 252 | Princ Mkt | 3 |

Major Requirements – 57 credits required

| FSU Course | FSU Course Title | FSU Cr. Hrs. | HFC Equiv. | HFC Course Title | HFC Cr. Hrs. |
|------------|---|--------------|---------------|------------------|---------------|
| ISIN 121 | Digital Security Awareness | 3 | No Equivalent | No Equivalent | No Equivalent |
| ISIN 200 | Secure Digital Technologies | 3 | No Equivalent | No Equivalent | No Equivalent |
| ISIN 209 | Network Security | 3 | No Equivalent | No Equivalent | No Equivalent |
| STQM 270 | Introduction to Data Mining | 3 | No Equivalent | No Equivalent | No Equivalent |
| ISIN 300 | Link & Visual Analysis | 3 | No Equivalent | No Equivalent | No Equivalent |
| ISIN 301 | Data Intelligence Competitive Theory | 3 | No Equivalent | No Equivalent | No Equivalent |
| ISIN 306 | Security Informatics | 3 | No Equivalent | No Equivalent | No Equivalent |
| ISIN 308 | Principles of Information Security | 3 | No Equivalent | No Equivalent | No Equivalent |
| DFOR 310 | Digital Forensics & Analysis | 3 | No Equivalent | No Equivalent | No Equivalent |
| ISIN 312 | Applications of Information Security | 3 | No Equivalent | No Equivalent | No Equivalent |
| ISIN 317 | Fraud Examination | 3 | No Equivalent | No Equivalent | No Equivalent |
| PROJ 320 | Project Management Fundamentals | 3 | No Equivalent | No Equivalent | No Equivalent |
| ISIN 325 | Database Security | 3 | No Equivalent | No Equivalent | No Equivalent |
| STQM 360 | Risk Analysis and Strategy | 3 | No Equivalent | No Equivalent | No Equivalent |
| ISIN 380 | Current Issues in Information Security & Intelligence | 3 | No Equivalent | No Equivalent | No Equivalent |
| ISIN 409 | Network Forensics and Analysis | 3 | No Equivalent | No Equivalent | No Equivalent |
| ISIN 429 | Legal and Ethical Issues in Information Security | 3 | No Equivalent | No Equivalent | No Equivalent |
| ISIN 491 | Information Security and Intelligence Internship | 3 | No Equivalent | No Equivalent | No Equivalent |
| ISIN 499 | Capstone Experience | 3 | No Equivalent | No Equivalent | No Equivalent |

Concentration or Minor – 12 to 18 Credits Required

A minimum of 12 credits is required, choose one of the following:

1. A concentration from below; these courses are used to calculate the major 2.00 GPA requirement.
2. A custom concentration that can be developed with an advisor; these courses are used to calculate the major 2.00 GPA requirement.
3. An advisor approved minor; these courses are not used to calculate the major 2.00 GPA.

It is important to note that all courses and concentrations may not be available at all campuses.

Digital Forensics and Penetration Testing Concentration (DFPN) – 12 Credits Required

| FSU Course | FSU Course Title | FSU Cr. Hrs. | HFC Equiv. | HFC Course Title | HFC Cr. Hrs. |
|------------|---------------------------------|--------------|---------------|------------------|---------------|
| DFOR 315 | Advanced Digital Forensics | 3 | No Equivalent | No Equivalent | No Equivalent |
| ISIN 335 | Pen Testing and Cloud Security | 3 | No Equivalent | No Equivalent | No Equivalent |
| ISIN 430 | Pen Testing and Mobile Security | 3 | No Equivalent | No Equivalent | No Equivalent |
| DFOR 454 | CyberSec Incident Response | 3 | No Equivalent | No Equivalent | No Equivalent |

Data Mining Concentration (DTMM) – 12 Credits Required. This concentration is available at the Main Big Rapids Campus only.

| FSU Course | FSU Course Title | FSU Cr. Hrs. | HFC Equiv. | HFC Course Title | HFC Cr. Hrs. |
|------------|--------------------------------|--------------|---------------|------------------|---------------|
| STQM 322 | Inferential Statistics | 3 | No Equivalent | No Equivalent | No Equivalent |
| ISIN 335 | Pen Testing and Cloud Security | 3 | No Equivalent | No Equivalent | No Equivalent |
| STQM 342 | Data Mining Tools | 3 | No Equivalent | No Equivalent | No Equivalent |
| STQM 380 | Data Mining Processes | 3 | No Equivalent | No Equivalent | No Equivalent |

Concentrations continued on page 3

Foreign Language Concentration (FRL) - 12 credits Required

| FSU Course | FSU Course Title | FSU Cr. Hrs. | HFC Equiv. | HFC Course Title | HFC Cr. Hrs. |
|------------|------------------|--------------|------------|------------------|--------------|
| Varies | Varies | 12 | Varies | See FSU Advisor | 12 |

Custom Concentration (CUST) - 12 credits Required. Advisor Approval

| FSU Course | FSU Course Title | FSU Cr. Hrs. | HFC Equiv. | HFC Course Title | HFC Cr. Hrs. |
|------------|--------------------|--------------|------------|------------------|--------------|
| Varies | Directed Electives | 12 | Varies | See FSU Advisor | 12 |

Minor - 18 credits Required. Advisor Approval

| FSU Course | FSU Course Title | FSU Cr. Hrs. | HFC Equiv. | HFC Course Title | HFC Cr. Hrs. |
|------------|------------------|--------------|------------|------------------|--------------|
| Varies | Varies | 18 | Varies | See FSU Advisor | 18 |

| | | | | | |
|--|--|--|--|--|------------------|
| Total Credits Required for Degree | | | | | 122 - 124 |
|--|--|--|--|--|------------------|

Program Delivery Locations and Contact Information:**Main Campus, Big Rapids****College of Business**

(231) 591-2434 | [Accountancy, Finance & Information Systems Email](#) | [Information Security and Intelligence Website](#)

[Transfer Partnerships Website](#)

Select courses delivered online and/or in a mixed delivery format (i.e. a mix of online and face-to-face instruction at either Northwestern Michigan College, the Ferris main campus, or at another off-campus location).

General Admission Criteria**New Students**

- Minimum 3.00 High School GPA (on a 4.00 scale)
- Minimum Composite ACT score of 22 and ACT Math score of 22 or SAT Math minimum score of 550.
- All students applying for admission to the Information Security and Intelligence program will have to submit a 750 to 1,000 word essay that addresses the following:
 - Who they are and why they desire admission to the Information Security and Intelligence program.
 - A description of a personal quality, talent, accomplishment, contribution, or experience.
 - A description of someone that influenced them and why.

Transfer Students

- Combined college or university GPA of 3.00 (on a 4.00 scale) from all institutions attended. GPA based on completion of 24 credit hours or more.
- Completion of the transfer equivalency for FSU's MATH 115 with a grade of C or higher or have either a minimum ACT Math score of 22 or minimum SAT Math score of 550.
- All students applying for admission to the Information Security and Intelligence program will have to submit a 750 to 1,000 word essay that addresses the following:
 - Who they are and why they desire admission to the Information Security and Intelligence program.
 - A description of a personal quality, talent, accomplishment, contribution, or experience.
 - A description of someone that influenced them and why.

Advising Notes

It is recommended that potential applicants meet with an advisor to review the degree, course schedule, and have any questions answered prior to completing an application. Students who are completing the MTA may have different general education course requirements for the particular degree selected. Meeting with a Ferris advisor prior to the selection of general education or elective course work may reduce the chance of completing a course that will not apply toward the selected degree. Once admitted, students must continue to meet with an advisor as they work toward graduation.

It is recommended that students have, or have access to, a laptop or desktop computer with Windows or OSX/MacOS, 8 GB Ram (16 GB recommended), 500 GB HDD or SSD, and CPU minimum i5 or equivalent.

Transfer Student Orientation

All new students to Ferris State University are required to complete an orientation.

Reverse Transfer Agreement

The Community College and Ferris have entered into a partnership in order to work collaboratively and creatively to increase student completion of associate and bachelor degrees. The partners work together to provide a seamless transfer experience and increase student retention and completion at both the community college and Ferris.

Michigan Transfer Agreement (MTA)

Ferris participates in the Michigan Transfer Agreement (MTA). This agreement will facilitate the transfer of general education requirements from one Michigan institution to another. Students may complete the MTA as part of a degree program or as a stand-alone package. The MTA consists of a minimum of 30 general education credit hours as identified by the college or university.

Students transferring to Ferris with the Michigan Transfer Agreement (MTA) and entering a degree program will have met a 30-hour block of lower-level general education courses. However, this does not exempt students from completing program specific prerequisites or higher-level general education course requirements. Students should contact their advisor regarding classes that meet the MTA.

Students must work with their Ferris advisor to declare a Minor or Concentration and for selection of Directed Electives.

Disclaimer

This is a guide for students who plan to transfer to Ferris State University. This guide is not intended to be a contract with Ferris. The information on this guide is subject to change. Students should contact their community college or Ferris to keep informed of changes. Final responsibility for verifying all transfer information lies with the student. Please refer to effective and/or revised date on the bottom of this guide.