

The Bachelor of Science degree offered through the College of Business at Ferris prepares students to be team leaders in the development and maintenance of Business Information Systems. Starting positions include application programmer/analyst, business analyst, systems analyst, networking administrators, consultants, software developers, computer support specialist, systems administrators, project leaders and web developers.

To assure relevance and enduring value, our Computer Information Systems (CIS) program has been designed to align with the national standard (IS2002) established by computing professionals. In addition, we have drawn upon our tight linkages with industry to assure that our labs and our required internships provide the level of hands-on experience that ensures our students are sought after by employers who recognize Ferris as a source of skilled, knowledgeable IS/IT graduates that can hit the ground running and grow from there.

Computers and Information Systems have become essential to all aspects of business and life. Professionals are needed to relate the problem-solving abilities of a computer system to an individual business department, corporation, or multi-national enterprise.

This program has close relationships with the IT industry through a program advisory board, and offers internships as a practical hands-on experience. The hands-on approach in the bachelor degree gives graduates a real-world look at their professional field.

#### Course Requirements

Alpena Community College				Ferris State University		
Course	Ferris. Equiv.	Alpena Course Title	Cr. Hrs.	Course	Course Title	Cr. Hrs.
SPE 123	COMM 121	Public Communication	3	ENGL 325 or	Advanced Business Writing or	
ENG 111	ENGL 150	English	3	ENGL 311	Advanced Technical Writing	3
ENG 112	ENGL 250	English	3	BUS 499	Integrating Experience	3
Alpena CC	VARIABLES	FSU General Education - Natural Sciences Elective with Lab	4	FINC 322	Financial Management I	3
Alpena CC	VARIABLES	FSU General Education - Natural Sciences Elective	3	MGMT 370	Quality – Operations Management	3
MTH 113	MATH 115	Intermediate Algebra	4	ISYS 216	Introduction to Java Programming	3
Alpena CC	VARIABLES	FSU General Education - Culture Competency (Minimum 9 credits from two different disciplines with one 200 level or higher)	9	ISYS 221	Mobile Application Development	3
ECN 232	ECON 221	Economics (Macro)	3	ISYS 288	Web Application Development	3
ECN 231	ECON 222	Economics (Micro)	3	ISYS 327	Operating Systems and Network Essentials	3
Alpena CC	VARIABLES	FSU General Education - Self and Society Competency (Not ECON)	3	ISYS 316	Advanced Java Programming	3
BUS 123	ACCT 201	Principles of Accounting	3	ISYS 330	Systems Analysis and Design I	3
BUS 124	ACCT 202	Principles of Accounting	3	ISYS 321	Business Information Systems	3
BUS 241	MKTG 321	Principles of Marketing	3	ISYS 372	Advanced Database Systems	3
BUS 127	MGMT 301	Principles of Management	3	ISYS 431	Systems Analysis and Design II	3
BUS 222	BLAW 321	Business Law	3	ISYS 482	Enterprise Integration and BPD	3
BUS 262	PROJ 320	Project Management	3	ISYS 489	Senior Capstone	3
MTH 223	STQM 260	Statistical Methods	4	ISYS 491*	Internship	3
CIS 206	ISYS 110	Object Oriented Programming	3	<b>Total Ferris Credits</b>		<b>48</b>
CIS 258	ISYS 272	Introduction to Enterprise Database	3	<b>Credits Required for Degree</b>		<b>126</b>
Alpena CC	VARIABLES	Directed Electives** (with prior approval from FSU advisor)	12	* Internship not required with 1+ year work experience in field. Credits will be substituted with directed elective (see FSU advisor)		
<b>Total Alpena Community College Credits</b>			<b>78</b>	**Approved Alpena Directive Electives: CIS140, CIS241, CIS260, CIS270, CIS280, CNS150, CNS151, CNS155, CNS170, CNS180, CNS210, CNS215, CNS220, CNS230, CNS235, & CNS240 (Note: This is only pre-approved Directive Electives, see your FSU faculty advisor to determine additional options.)		

Please refer to FSU's General Education Requirements at:  
<http://www.ferris.edu/htmls/academics/gened/index.htm>

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 are encouraged to work with their Ferris advisor for selection of any electives, to ensure transferability and to minimize credits taken.

#### Program Offered at:

##### Ferris Statewide, Northern Region

(989) 358-7212 or [FerrisNorth@ferris.edu](mailto:FerrisNorth@ferris.edu)

[www.ferris.edu/statewide](http://www.ferris.edu/statewide)

##### Main Campus, Big Rapids

College of Business

(800) 433-7747

(231) 591-2420 or email [COB@ferris.edu](mailto:COB@ferris.edu)

[www.ferris.edu/transfer](http://www.ferris.edu/transfer)

**General Admission Criteria****New Students SAT Scores**

- 2.5 High School GPA (on a 4.0 scale)
- Two of the Three Criteria:
  1. SAT ERW score of 450 or higher.
  2. SAT Math score of 500 or higher. Placement in MATH 109/110 will be considered (SAT MATH score of 480 or higher).
  3. SAT Composite of 900 or higher.

**New Students ACT Scores**

- 2.5 High School GPA (on a 4.0 scale)
- Two of the Three Criteria:
  1. ACT English score of 16 or higher.
  2. ACT Math score of 19 or higher.
  3. ACT Reading score of 19 or higher

**Transfer Students – Degree Completion at the Community College**

- To be admitted to this degree program, either a completed Associate degree or at least 48 transferable semester credit hours (“C” or better on 4.0 (scale) from an accredited college or university with a 2.5 overall GPA and credit for, or placement into Ferris’ ENGL 150 and MATH 114/115 are required. Official transcripts from all accredited colleges and universities must be submitted with the Ferris application. Financial aid is available and may include concurrent enrollment at both institutions.

**Transfer Students – Big Rapids Main Campus**

- Combined college or university GPA of 2.5 (on a 4.0 scale) from all institutions attended. GPA based on completion of 12 credit hours or more. Developmental courses will not be considered in computing the GPA requirement.
- Transfer equivalency for FSU ENGL 150 or placement during the first semester at FSU which would require an ACT English score of 16 or higher; or SAT ERW score of 450 or higher; or Accuplacer English score of 6 or higher.
- Transfer equivalency for FSU MATH 114/115 or placement during the first semester at FSU which would require an ACT MATH score of 19 or higher; SAT MATH of 500 or higher; or Accuplacer Math scores: Elementary Algebra score 75 or higher and College Level Math 0-49.

**Transfer Student Orientation**

All new students to Ferris State University are required to complete an orientation. Orientation for incoming freshmen is a one day session that occurs on campus and includes class registration. Eligible transfer students have the option of completing an online orientation or attending an on campus session.

**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.

**Online Learning**

Orientation is required for students who register for an online **course** or are completing an online **degree**. Students must demonstrate competency in FerrisConnect skills. This may be done by taking a tutorial and quiz, or, for students who have already taken and passed online courses, they can submit a waiver request. Students should check with the department that offers the class to determine its particular needs and/or the Ferris advisor regarding registration for online course work.

**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.

**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 the effective and/or revised date on the bottom of the guide.