



## CIS 1080

**Division:** Career and Technical Education

**Department:** Computer Information Systems

**Course:** CIS 1080

**Title:** Introduction to Information Technologies

**Catalog Description:**

This course covers the basics of information technology and its role and impact on today's businesses and society. Content is organized around concepts that are each tied to a social issue that shows how the concept relates or affects our everyday lives.

**General Education Requirements:** N/A

**Semesters Offered:** TBA

**Credit/Time Requirement:** Credit: 3; Lecture: 3; Lab: 0

**Clock/Hour Requirements:** 45

**Offered for Non-Credit:** No

**Justification:**

This course is recommended by the program advisory committee and is a prerequisite for other CIS courses. This course will help prepare students for further success in the CIS program as well as develop a broader understanding of the Information Technologies field.

**Student Learning Outcomes:**

Through successful completion of this course, students will:

- Identify and describe the significance of a variety of computer hardware.
- Identify and describe the significance of a variety of computer software.
- Install, configure, and utilize a variety of applications software.
- Describe the impact of communications technology past, present, and future.
- Discuss specifics of communications technologies as they pertain to the Internet.
- Understand the principles of building information systems.
- Discuss the impact of information technology in business.
- Discuss the impact of information technology in our world.
- Understand and discuss ethical and social issues in the information age.

**Content:**

Course objectives will be accomplished by providing students with learning experiences in the following areas:

- Hardware
- Software
- Applications Software
- Communications Technology
- Communications Technologies in Action: The Internet and More
- Building Information Systems
- Information Technology in Business
- Information Technology in our World
- Ethical and Social Issues in the Information Age

### **General Education Outcomes:**

2) Write clearly, informatively, and persuasively.

Students will be required to write response papers on the development of Information Technology and its impact on society. The papers will be reviewed and returned to the students with feedback for improvement.

4) Retrieve, evaluate, interpret, and deliver information through a variety of traditional and electronic media.

The response papers that students will write during this course will require them to research topics through a variety of sources over the Internet. This information will be presented to the class in written form as well as at least one electronic presentation.

5) Apply a cultural and historical awareness to a variety of phenomena.

Students will understand and discuss the historical aspects of IT development as well as the cultural implications of computer use and development in our society.

8) Apply ethical reasoning to a variety of contexts.

The ethics of computer use will be discussed and students will be required to respond to situations including: software licensing, music and video downloads (piracy), online research issues (plagiarism), and others as they arise.

### **Key Performance Indicators:**

#### **In Class:**

Student grades will be based on a combination of written assignments (5-25%), quizzes(5-25%), tests(10-50%), and a final exam or paper(20-50%).

#### **Following Class:**

Post evaluation will be measured by success in subsequent courses that require mastery of the concepts in this course.

Lauden, Traver, and Laudan, *Information Technology: Concepts and Issues*, Current Edition, Thomson.

**Optimum Class Size: 16**

**Maximum Class Size: 16**

**Signatures:**

I hereby submit this course syllabus:

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I hereby find this course consistent with the goals and resources of the Computer Information Systems Department:

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Michael P. Medley, MBA, Assistant Professor, Chair

I hereby find this course consistent with the goals and resources of the Career and Technical Education Division:

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Michael P. Medley, MBA, Assistant Professor, Dean

I have discussed the need for library resources related to this class with the person submitting the syllabus:

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Lynn Anderson, MLIS, Technical Services Librarian (Main Campus)

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Michelle Olsen, MLS, Campus Librarian (Richfield Campus)