

# INFORMATION TECHNOLOGY AND SYSTEMS (ITS)

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## ITS 108 Computer Applications 3.00

Use computer applications to increase personal and professional productivity. Students gain hands-on experience using a variety of productivity tools commonly found in software suites used in a professional setting, such as word processing, presentation graphics, spreadsheets, databases, and others. Classes are tailored to the college student with emphasis on providing real-world examples to make learning and using computer software interesting and applicable to a variety of career paths.

### Typically Offered:

- Fall, Spring, and Summer Terms

## ITS 148 Computer Applications for Productivity 3.00

Designed for students interested in learning how to use a computer to increase their personal and professional productivity. Enhance computer skills by using a variety of productivity applications found in common software suites, such as word processing, presentation graphics, desktop publishing, spreadsheets, personal organizers, and others. Classes are tailored to the college student with emphasis on providing a hands-on experience to make learning and using computer software interesting and easy.

### Typically Offered:

- Occasional by Demand

## ITS 189 Information Technology and Systems Elective 1.00-9.00

Transfer credits ONLY from another accredited institution not equivalent to a UW-Superior course.

## ITS 211 Visual Programming Fundamentals 3.00

Introduces students to basic programming methods and techniques using the latest development tools. Designed for students who view themselves as nonprogrammers, but who have an interest in computer programming to create macros or to write simple applications. Students learn programming skills by writing and debugging simple routines that emphasize programming constructs such as variables, control structures, and data input and output. Object-oriented concepts are presented and practiced to enhance the experience.

### Typically Offered:

- Spring Term Only

## ITS 230 Introduction to Information Technology 3.00

Provides a stimulating experience for students with new perspectives on cutting-edge technology and systems. Illustrates how everyday computer technology is combined to form systems people and society depend upon. Covers core computer concepts, latest technological advances, and emerging trends in information system design and deployment. Arms participants with current knowledge about information technology used in a wide array of real-world applications.

### Typically Offered:

- Occasional by Demand

## ITS 289 Information Technology and Systems Elective 1.00-9.00

Transfer credits ONLY from another accredited institution not equivalent to a UW-Superior course.

## ITS 310 Information Technology Operations 3.00

Go behind the scenes and discover the systems organizations use to provide computing and networking services. This course examines the technology and applications that drive modern IT operations such as server virtualization, virtual desktop infrastructure, cloud computing, and user state virtualization. Topics include desktop and application deployment, help desk services, and configuration management. Mobile applications are given special consideration. Students work with open source and proprietary software using state-of-art virtualization tools to model system configurations and learn problem solving skills through hands-on projects.

### Typically Offered:

- Occasional by Demand

## ITS 335 Web Page Authoring 3.00

Build functional and appealing Internet websites using readily available commercial software to design and construct web pages. Considers various website strategies and layouts that enable web users. Create web pages that integrate multimedia applications to present content in an attractive and user-friendly manner. Learn about measures of performance and how to test your website for functionality. Designed for students with a wide variety of backgrounds and interests, employing a hands-on approach.

### Typically Offered:

- Fall Term Odd Years Only

## ITS 342 Information Systems 3.00

Introduces topics and concepts of management information systems with emphasis on planning, organizing, and controlling user services and managing the system development process. Focuses on use of information system technologies in the business world from the standpoint of the end-user manager.

### Typically Offered:

- Spring Term Only

## ITS 346 Database Management 3.00

Learn the science of database management to include the organization, storage, and retrieval of data used in a wide range of applications. Basic theory is combined with practical examples to reinforce concepts presented in class. Students are encouraged to apply learned skills to projects in their particular areas of interest. Intended for the student with no or minimal exposure to database systems and uses state-of-the-art database management system software.

### Typically Offered:

- Spring Term Only

**ITS 350 Networking and Communications 3.00**

Discover the ways data moves between computers, network-enabled devices, and other communication technology using wired and wireless media. A broad range of applications are considered ranging from networked enterprise to mobile technology to the ubiquitous broadcast signals used to transmit television and radio programs. Emphasis is placed on networking and communication technology and how it used to connect people with each other and with the information they need.

**Typically Offered:**

- Fall Term Only

**ITS 360 Ethics in Information Technology 3.00**

Examines the impact computers and Internet technology have had on people and society through the lens of Internet law, ethics, and intellectual property. Designed to be a forum where students discuss and debate critical issues related to these areas. Students participate in exercises that stimulate critical thinking and prepare them to address complicated issues that provoke a wide range of opinions.

**Typically Offered:**

- Spring Term Odd Years Only

**ITS 364 Digital Multimedia 3.00**

Examines the history and underlying theory behind computer integration of text, sound, video, animation, and graphics. Survey the fundamental concepts and historical development of multimedia. Review current and future applications of multimedia. Introduce the practical tools and techniques for developing digital media applications. Students gain practical experience in design and implementation of multimedia applications on a platform.

**Typically Offered:**

- Fall Term Even Years Only

**ITS 370 Information Security 3.00**

Provides the knowledge of information assurance and security necessary for modern programmers, analysts, and other IT professionals and also important for business managers, auditors and many other careers. Covers a diverse range of topics recommended by the Association for Computing Machinery, including operational issues, policies and procedures, attacks and defense mechanisms, risk analysis, recovery and business continuity, data security, cryptography, and digital forensics.

**Typically Offered:**

- Spring Term Even Years Only

**ITS 380 Global E-Commerce Systems 3.00**

A close look at technology that enables e-commerce to leverage information to their strategic advantage. Examines the business use to improve productivity, manage information, market and sell product, streamline supply chains, and compete on a global scale that has led to a revolution in the e-business enterprise. Students are guided to understand basic e-commerce and e-business systems on key areas of developing, managing, and maintaining a successful e-commerce site. Case studies and examples illustrate how theory is successfully translated into real-life business scenarios.

**Typically Offered:**

- Fall Term Only

**ITS 381 Special Projects 1.00-4.00**

Various individual and small-group projects carried out under the supervision of one or more instructors. Requires weekly progress reports plus a final report and/or a final exam. May be repeated, but no more than a total of four credits may be earned from both ITS 381 and CSCI 381. Pass-Fail only. Prerequisites: Preliminary project plan and an independent study contract. Offered as needed.

**Typically Offered:**

- Occasional by Demand

**ITS 389 Information Technology Elective 9.00**

Transfer credits ONLY from another accredited institution not equivalent to a UW-Superior course.

**ITS 400 Information Technology and Systems Internship 2.00-7.00**

Students extend classroom learning in the ITS field. Students obtain the cooperation of an employer and prepare a learning contract. Students will submit weekly recaps of activities and a final report about their experience. The internship may be taken any academic term. Pass-Fail only.

**Typically Offered:**

- Fall, Spring, and Summer Terms

**ITS 481 Special Topics 1.00-4.00**

In-depth study of specialized current topics in information technology and systems. May be repeated when topics are different. Offered as needed.

**Typically Offered:**

- Occasional by Demand

**ITS 489 Information Technology Elective 9.00**

Transfer credits ONLY from another accredited institution not equivalent to a UW-Superior course.

**ITS 498 Individual Capstone Project 1.00**

Students will integrate an information technology and systems (ITS) application into the senior experience in their program of study. Requires weekly progress reports and demonstration of learned skills through a project under the supervision of one or more instructors. Pass-Fail only.

**Typically Offered:**

- Fall, Spring, and Summer Terms

**ITS 499 Group Capstone Project 1.00**

Group projects are carried out by students. Students will integrate an information technology and systems (ITS) application into the senior experience in their program of study. Requires weekly progress reports and demonstration of learned skills through a project under the supervision of one or more instructors. Pass-Fail only.

**Typically Offered:**

- Occasional by Demand