

(Minor) Information Technology, INTE

Millersville University,
The Management & Marketing Department
The Lombardo College of Business

19 Credits Minimum

INTE Minor Required Courses:	Prerequisite:	Credits
INTE 120 Integrated Information Technology Application Projects	None	4 cr
INTE 130 Fundamentals of Information Technology	None	4 cr
INTE 230 Network Concepts, Security, and Administration	Prerequisite: CSCI 161; INTE 130	4 cr
INTE 360 IT Risk Management and Security	Prerequisite: INTE 230	4 cr
Select 1 Additional 300- or 400-level INTE course		3 or 4 cr
Total:		19-20 cr
Completion of 19-20 credit-hours is required.		

Notes: This minor requires Computer Science course (CSCI 161) that, with appropriate advising, can be incorporated into the General Education program requirements of an academic major.

INFORMATION TECHNOLOGY MINOR COURSES (Titles and Descriptions):

INTE 120 Integrated Information Technology Application Projects (4 cr)

Introduction to the use of information technology to retrieve, filter, process, classify, sort, and evaluate data and information in a business environment. Developing word processing, spreadsheets, database, scripting, and presentation skills to create integrated projects for business and workplace environments.

INTE 130 Fundamentals of Information Technology (4 cr)

This course provides students with a working knowledge of the terminology, processes, and components associated with information technology. Students will be introduced to the creation, organization, analysis, storage, retrieval, representation, and transmission of data and information as well as work force considerations, and related societal and ethical issues with respect to IT.

INTE 230 Network Concepts, Security, and Administration (4 cr)

An introduction to computer network concepts that includes fundamental protocols and administration. Computer network communications will be discussed including LAN and WAN topologies, protocols and services, such as TCP/IP, and Ethernet, within the context of the OSI Reference Model, multimedia, and content distribution networks. Topics in network management will also be covered, including users/groups, file permissions, system

maintenance, and trouble shooting. Network management, packet analyzer, and network simulation tools may be used. Prerequisite: CSCI 161; INTE 130

INTE 360 IT Risk Management and Security (4 cr)

Explores Networking Security from the perspective of risk management to develop strategies to mitigate and manage risks. Focuses on assessment strategies for effective mitigation measures and risk management practices in terms of cybersecurity. Risk Management Fundamentals and Managing Risks as Threats, Vulnerabilities, and Exploits will be covered and methods on how they are applied in cybersecurity decisions will be investigated. Prerequisite: INTE 230

INTE 410 IT Project Management (4 cr)

This course covers technical and behavioral aspects of the successful management of information systems developments. Topics include needs identification, system project manager and team, system project organizations, project communications, system project planning, scheduling, control, associated costs, and using project management software tools. Examples of IT project management process will be explored for different industry lines with respect to system development activities and System Development Life Cycle. Corequisite: INTE 360