

Information Technology

Major	MAJOR	MINOR
Minor	Hours Required in Computer Science & Information Technology:	43-52
	Hours Required in Other Departments:	15-25
	Total Hours Required:	67-68

Tracks in

- ACCOUNTING
- BUSINESS INFORMATION TECHNOLOGY
- COMPUTER SECURITY
- GRAPHIC ARTS
- MASS COMMUNICATION

See related programs:

- COMPUTER INFORMATION SYSTEMS MAJOR & MINOR
- COMPUTER SCIENCE MAJOR & MINOR
 - CONCENTRATION IN NETWORKS
- CERTIFICATES IN:
 - COMPUTING TECHNOLOGY
 - SOFTWARE DEVELOPMENT
 - PROGRAMMING
 - NETWORKING

Professor:

Chitsaz, Rinard (Chair)

Associate Professor:

Thiel

Assistant Professors:

Amthauer, M. Flinn, Song, Xu, Zheng

- Computer science and information technology courses must have a grade of C or better to be applied towards major or minor requirements.
- You may receive credit by examination for the following courses: COSC 100, 101.

Summary of Requirements for Major/Minor in Information Technology

1. Core Courses: (15 hours)

COSC 100/110	Introduction to Computer Science (Tech. Fluency)	ITEC 462	Emerging Issues and Technologies
	or COSC 101 The Discipline of Computer Science (Tech. Fluency)	ITEC 475	Computer and Cyber Forensics
COSC 102	Foundations of Computer Science	ITEC 491	Seminar in Information Technology
COSC 130	Introduction to Programming	ITEC 494	Field Experience in Information Technology
COSC 305	Computer Ethics	ITEC 499	Individual Problems in Information Technology
ITEC 315	Programming		

2. Required Advanced Courses: (22 hours)

COSC 300	Structured Systems Analysis and Design
ITEC 312	Human-Computer Interaction
ITEC 345	Database Systems I
ITEC 355	Network Implementation
ITEC 360	Operating Systems
ITEC 470	Security and Risk Management
ITEC 480	Project Management
ITEC 489	Capstone Course

3. Other Required Courses: (12-13 hours)

CMST 102/112	Introduction to Human Communication
ENGL 338	Technical Writing (Core Skill 2)
MATH 209/219	Elements of Applied Probability & Statistics (Core Skill 3)
	or MATH 380 Intro. To Probability & Statistics
MATH 220	Calculus for Applications I
	or MATH 236 Calculus I (Core Skill 3)

4. Electives: (6 hours):

Choose a minimum of 6 hours in at least two courses:

ITEC 363	PC Module Installation and Maintenance
ITEC 364	PC Software Installation and Maintenance
ITEC 410	Diversity in the Global Information Technology
ITEC 414	Knowledge Management
ITEC 442	Electronic Commerce
ITEC 445	Database Systems II
ITEC 452	Network Administration and Security

Requirements for Minor in Information Technology

COSC 101	The Discipline of Computer Science (Tech. Fluency)
	or COSC 100 Introduction to Computer Science (Tech. Fluency)
COSC 102	Foundations of Computer Science
COSC 130	Introduction to Programming
ITEC 315	Programming

Two additional Information Technology courses at the 300-level or above.

5. Tracks/Application Areas (12 hours):

Choose one of the following tracks/application areas:

Accounting

ACCT 211	Financial Accounting
ACCT 212	Managerial Accounting
ACCT 305	Accounting Systems
ACCT 311	Intermediate Accounting I

Business Information Technology

BUAD 100	Introduction to Business
MGMT 351	Management of Organizations
MGMT 356	Leadership and Human Behavior
MGMT 405	Business Ethics and Social Responsibility

Computer Security

IDIS 150	Society and Computer Security
ITEC 452	Network Administration and Security
ITEC 462	Emerging Issues and Technologies
ITEC 475	Computer and Cyber Forensics

Graphic Arts

ART 104	Two-Dimensional Design
ART 105	Three-Dimensional Design
ART 207*	Graphic Design
ART 307	Computer Graphics

*Students must see department chair for permission to enroll

Mass Communication

MCOM 105	Introduction to Mass Communication
MCOM 246	Intro to Mass Communication Research Methods
MCOM 287	Intro to Video Production
MCOM 346	Mass Communication Theory