

# Information Technology

**MAJOR**

**MINOR**

**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

**Professors:** Chitsaz, Rinard (Chair)

**Associate Professors:** M. Flinn, Zheng

**Assistant Professors:** Pan, Xiao, Xu

**Lecturers:** Gbenro, S. Kennedy

- 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.

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## Program Requirements

	MAJOR	MINOR
Hours Required in Computer Science:	43-52	18
Hours Required in Other Departments:	15-25	0
Total Hours Required:	67-68	18

## Requirements for Major in Information Technology

### 1. Core Courses: (15 hours)

COSC 100/110 Introduction to Computer Science  
(*Tech. Fluency*)  
or COSC 101 The Discipline of Computer Science  
(*Tech. Fluency*)  
COSC 102 Foundations of Computer Science  
COSC 130 Introduction to Programming  
COSC 305 Computer Ethics  
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 109/110 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  
ITEC 462 Emerging Issues and Technologies  
ITEC 475 Computer and Cyber Forensics  
ITEC 491 Seminar in Information Technology  
ITEC 494 Field Experience in Information Technology  
ITEC 499 Individual Problems in Information Technology

### 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 251 Management of Organizations  
MGMT 356 Leadership and Human Behavior  
MGMT 405 Business Ethics and Social Responsibility

#### Computer Security

IDIS 150 First Year FSU Colloquium: Personal Security and  
Privacy in the Age of Information  
or SCIA 120 Introduction to Secure Computing and  
Information Assurance  
ITEC 452 Network Administration and Security  
ITEC 472 Ethical Hacking  
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

#### 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

## 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 130 Introduction to Programming  
COSC 300 Structured Systems Analysis and Design  
ITEC 345 Database Systems I  
ITEC 442 Electronic Commerce

and select one course from the following:

ITEC 312 Human-Computer Interaction  
ITEC 410 Diversity in Global Information Technology