

Computer Information Systems

| | MAJOR | MINOR |
|--------------------------------------|--------------|-----------|
| Major | | |
| Minor | | |
| Hours Required in Computer Science: | 47 | 13 |
| Hours Required in Other Departments: | 27-28 | 6 |
| Total Hours Required: | 74-75 | 19 |

See related programs

- COMPUTER SCIENCE
- INFORMATION TECHNOLOGY

Professors:

Chitsaz, Rinard (Chair)

Associate Professors:

M. Flinn, Zheng

Assistant Professors:

Pan, Xiao, Xu

Lecturers:

Gbenro, S. Kennedy

- Computer science 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, 240, 350.

Summary of Requirements for Major/Minor in Computer Information Systems

| Major | Minor |
|---|---|
| <p>1. Core Courses: (26 hours)</p> <p>COSC 101 The Discipline of Computer Science (<i>Tech. Fluency</i>) COSC 102 Foundations of Computer Science COSC 240 Computer Science I COSC 241 Computer Science II COSC 325 Software Engineering COSC 365 Digital Logic COSC 460 Operating Systems Concepts COSC 489 Computer Science Capstone</p> <p>2. Required Advanced Courses: (15 hours)</p> <p>COSC 300 Structured Systems Analysis and Design COSC 331 Fundamentals of Computer Networks COSC 380 Computer-Based Information Systems COSC 440 Database Management Systems COSC 480 Knowledge-Based Systems</p> <p>3. Other Required Courses:</p> <p>Mathematics (6-7 hours)</p> <p>MATH 220 Calculus for Applications <i>or</i> MATH 236 Calculus I (<i>Core Skill 3</i>) MATH 109/110 Elements of Applied Probability and Statistics <i>(Core Skill 3)</i> <i>or</i> MATH 380 Introduction to Probability and Statistics</p> <p>Other: (12 hours)</p> <p>ACCT 211 Financial Accounting CMST 102 Introduction to Human Communication ENGL 338 Technical Writing (<i>Core Skill 2</i>) MGMT 251 Management of Organizations</p> <p>4. Electives: (6 hours)</p> <p><i>At least two courses selected from:</i></p> <p>COSC 305 Computer Ethics COSC 320 Business Programming COSC 335 Advanced Topics in Computer Networks COSC 345 The Internet and Multimedia Communications COSC 350 Low-Level Programming Concepts COSC 390 Topics in Modern Programming Languages COSC 431 Secure Computing COSC 491 Seminar in Computer Science COSC 494 Field Exp. in Computer/Information Science COSC 499 Individual Problems in Computer Science</p> <p>5. Electives in Business: (9 hours)</p> <p><i>Any three of the following courses</i></p> <p>BLAW 291 Legal Environment of Business MGMT 355 Operations Management MGMT 356 Leadership and Human Behavior MGMT 357 Human Resource Management MKTG 361 Principles of Marketing</p> | <p>1. Core Courses (10 hours)</p> <p>COSC 101 The Discipline of Computer Science (<i>Tech. Fluency</i>) COSC 240 Computer Science I ACCT 211 Financial Accounting</p> <p>2. Advanced Courses: (6 hours)</p> <p><i>Two of the following</i></p> <p>COSC 300 Structured System Analysis and Design COSC 305 Computer Ethics COSC 380 Computer-Based Information Systems</p> <p>3. Elective in Business: (3 hours)</p> <p><i>One of the following</i></p> <p>BLAW 291 Legal Environment of Business MGMT 355 Operations Management MGMT 356 Leadership and Human Behavior MGMT 357 Human Resource Management MKTG 361 Principles of Marketing</p> |