FIU | Computing & Information Sciences

Bachelor of Science in Information Technology
(effective Fall 2010)

CGS1920
Intro to Computing (1)

CGS2518
Data Analysis

OR

CGS2060
Intro to Microcomputers

OR

CGS2100
Microcomputers for Business

COP2250
Programming in Java

PSY2012
Intro to Psychology

MAC1140
Pre-Calculus Algebra
Pre: MAC1105

MAD1100*
Math Concepts for IT

OR

COT3100*
Discrete Structures

CEN3721
Human Computer Interaction

COP 3804
Intermediate Java

CGS3767
Computer Operating Systems

ENC3213/ ENC3249*
Professional & Tech Writing for Comp **(GRW)**

All courses are 3 credits except as noted.

COP4703
Information Storage & Retrieval

CGS4854
Web Site Constrct Mgmt

CGS4285
Applied Cmptr Networking

CGS3095
Tech in the Global Arena **(GL)**

Interdisciplinary Courses

Nine additional credits must be taken outside SCIS. The nine credits must be applicable to a minor or certificate in another discipline. **Pending advisor approval.**

COP4814
Component Based Sftw Dev

CNT4403
Computing & Ntwk Security

IT Electives: Choose 5 electives (3 credits each)
Fifteen credits of electives are required. From the four areas of concentration choose two and take two courses per area of concentration. The 5th elective can be taken in any area of concentration.

Database Administration
- ❑ **COP 4722** *Survey of DB System* (Prereq: COP4703)
- ❑ **CTS 4408** *DB Admin* (Prereq: COP4703)

Network Administration
- ❑ **CNT 4513** *Data Communication* (Prereq: COP3804 & CGS4285)
- ❑ **CNT 4504** *Advanced Ntwk Mngmt* (Prereq: CNT4513)

Security
- ❑ **CIS 4365** *Enterprise Cybersecurity* (Prereq: CNT4403 or EEL4806)
- ❑ **CNT 4182** *Mobile & IoT Security* (Prereq: CNT4403 or EEL4806)

System Administration
- ❑ **CIS 4431** *IT Automation* (Co-req: CGS4285)
- ❑ **CNT 4603** *System Admin & Maintenance* (Prereq: CGS3767)
- ❑ **CTS 4348** *Unix System Admin* (Prereq: CGS3767)

Application Development
- ❑ **COP 4005** *Windows Prmg for IT* (Prereq: COP3804 & CEN3721, Co-req: COP4703)
- ❑ **COP 4655** *Mobile Appl Prgm* (Prereq: COP4814 & CEN3721)
- ❑ **COP 4813** *Web Appl Prgm* (Prereq: COP4005 & CGS4854)

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* ENC3213/ENC3249 prerequisite: complete the UCC English requirements

* MAC1140, MAD1100 & COT3100 math prerequisite is MAC1105.

A line indicates a prerequisite. The course above must be completed before the course below can be taken.