**Bachelor of Arts in Information Technology**

**Information Technology Major**

**Two Year Major Map – 60 Credits**

This plan is for students transferring with a Bachelor’s degree from an approved institution.

It is assumed that the following prerequisites have already been taken: COP 2250 - Programming in Java; CGS 2060 – Introduction to Computing; MAD 1100 – Discrete Mathematics. There are twelve general elective credits in the first year that can be used to satisfy any deficiencies.

**Junior Year – 30 Credits**

**Term One**

CEN 3721 – Human Computer Interaction (3 credits)

COP 3804 – Intermediate Java (3 credits) **Critical Progress: Completed and C+**

CGS 3767 – Computer Operating Systems (3 credits) **Critical Progress: Completed and C+**

General Electives (6 credits)

**Total Hours: 15; Min GPA: 2.2**

**Term Two**
CGS 4285 - Applied Computer Networking (3 credits)

CGS 4366 - Information Storage and Retrieval (3 credits)
CGS 4854 - Website Construction and Management (3 credits)
General Electives (6 credits)

**Total Hours: 15; Min GPA: 2.2**

**Senior Year - 30 credits**

**Term One**

CEN4023 - Component-Based Software Development (3 credits)
CNT4403 - Computing and Network Security (3 credits)

List A (IT Electives) (6 credits)

General Electives (3 credits)

**Total Hours: 15; Min GPA: 2.2**

**Term Two**
List A (IT Electives) (6 credits)

General Electives (9 credits)
**Total Hours: 15; Min GPA: 2.0**

List A - Electives: All students must have 4 elective courses. Students must take 2 elective courses from the following areas: System Administration (CIS 4431 - IT Automation, CTS 4348 Unix Admin), Database Administration (COP 4722 - DB Survey, COP 4723 - DB Admin) , Network Administration (CNT 4504 - Advanced Network Management, CNT 4513 - Data Communications), Application Development (COP 4005 - Windows Programming for IT, COP 4813 - Web Application Programming , COP 4655 - Mobile Application Development). All students must complete two additional elective courses. Students who are completing their first major concurrent with their IT degree must choose their cognate elective courses from a list of designated courses from the department of their primary major, with the approval of an IT adviser. Students who have received their first BA degree prior to enrolling in the IT program must instead choose an additional two courses from the list of IT elective courses.

For students who are deficient in a foreign language, the general electives should include a two-semester sequence in one foreign language.

Students are required to earn at least nine credit hours prior to graduation by attending one or more summer semesters at FIU or any other University in the Florida State system.