Bachelor of Science in Information Technology
Software Major (effective 01/01/2020)

CGS1920 Intro to Computing (1)
OR
CGS2518 Data Analysis
OR
CGS2060 Intro to Microcomputers
OR
CGS2100 Microcomputers for Business

COP2210 Programming I (4) Pre: MAC1147
MAC1147 Pre-Calculus Algebra & Trigonometry (4) Pre: MAC1105

MAD2104* Discrete Math
OR
COT3100* Discrete Structures

CEN3721 Human Computer Interaction
COP337 Programming II

CGS3767 Computer Operating Systems

ENC3213 or ENC3249^ Professional & Tech Writing for Comp (GRW)

CNT4403 Computing & Ntwk Security

CGS4285 Applied Cmplt Networking

CGS2060 Intro to Microcomputers
CGS2100 Microcomputers for Business

COP3804 & CGS4285
Prereq: COP3804 & CGS4285

CGS3095 Tech in the Global Arena (GL)

COP4384 Component Based Sftw Dev
CGS4854 Web Site Construct Mgmt

COP4814 Component Based Sftw Dev
CGS4854 Web Site Construct Mgmt

CNT4403 Computing & Ntwk Security

IT Electives: Choose 2 electives (3 credits each)

Application Development
- COP 4005 Windows Prmg for IT (Prereq: COP3337 & CEN3721; Co-req: COP4703)
- COP 4655 Mobile Appl Prgm (Prereq: COP4814 & CEN3721)
- COP 4813 Web Appl Prgm (Prereq: COP4005 & CGS4854)

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

System Administration
- CIS 4431 IT Automation (Co-req: CGS4285)
- CNT 4603 Windows System Admin (Prereq: CGS3767)
- CTS 4348 Unix System Admin (Prereq: CGS3767)
- CTS 4743 Enterprise IT Troubleshooting (Prereq: COP-4703 and (CNT-4403 or EEL-4806))

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

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

Interdisciplinary Courses
Nine additional credits must be taken from one cognitive area outside SCIS. For example, 9 credits within a minor or certificate meets this requirement. Find minors and certificates in the FIU Undergraduate Catalog @ https://catalog.fiu.edu/ Pending advisor approval.

All courses are 3 credits except as noted.

^ ENC3213/ENC3249 prerequisite: complete the UCC English requirements
^ MAC1147, MAD1100 & COT3100 math prerequisite is MAC1105.

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

A diamond indicates a co-requisite. The course closer to the diamond may be taken at the same time as the co-requisite. The co-requisite is a prerequisite for any course that requires the course closer to the diamond.