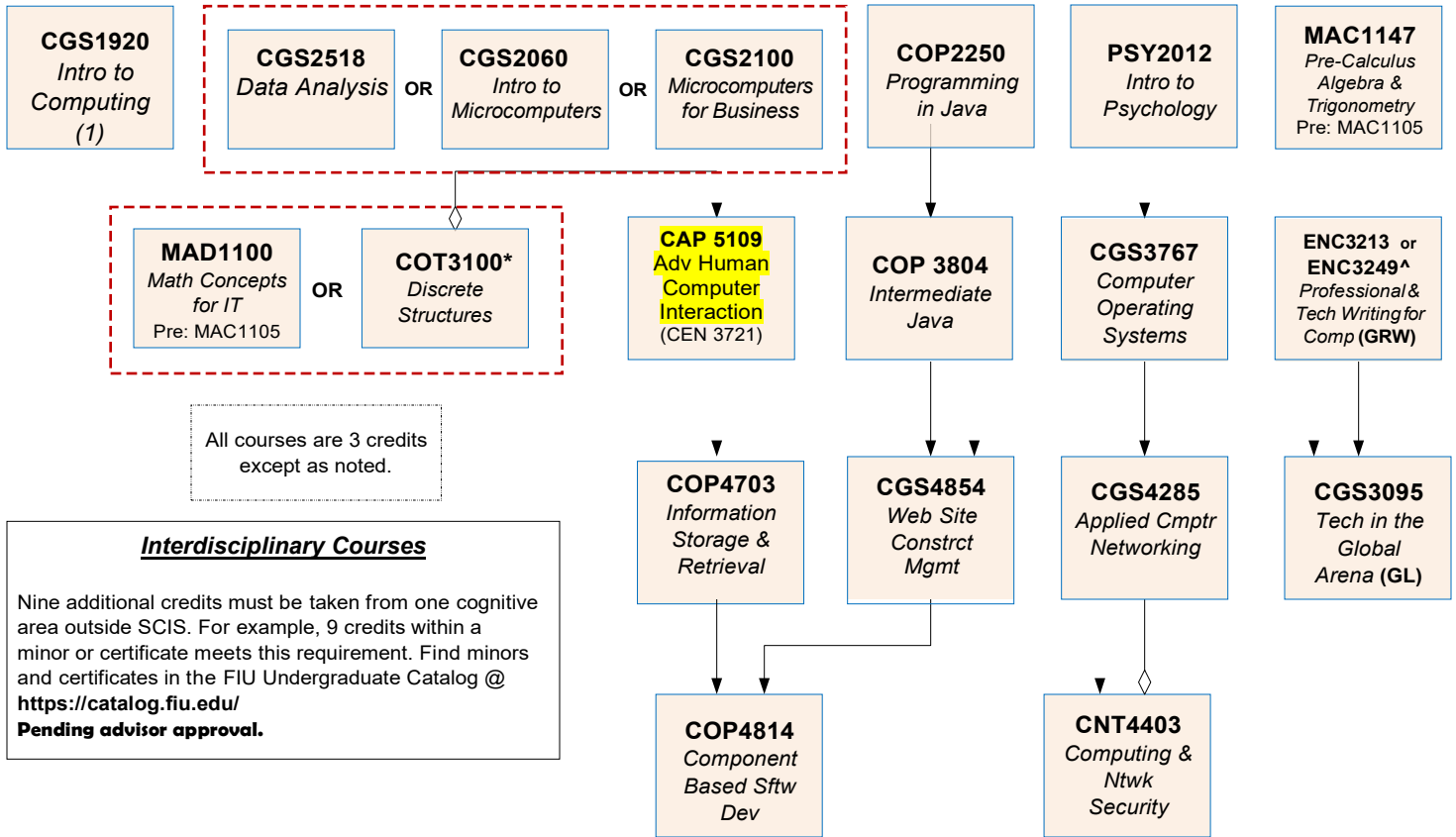


# BS in Information Technology Accelerated Pathway to MS in Data Science



All courses are 3 credits except as noted.

**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.**

**IT Electives:** Choose 5 electives (3 credits each)

Fifteen credits of electives are required. Select two areas of concentration and take two courses in each of the chosen concentration areas (four courses). Select the fifth course from any area of concentration.

**Database Administration**

- COP 4751 *Adv Database Management* (Prereq: COP4703)
- CTS 4408 *DB Admin* (Prereq: COP4703)
- COP 5725 Principles of Database Management Systems**

**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: COP4703 & (CNT4403 or EEL4806))

**Security**

- CIS 4365 *Enterprise Cybersecurity* (Prereq: CNT4403 or EEL4806)
- CNT 4182 *Mobile & IoT Security* (Prereq: CNT4403 or EEL4806)
- CIS 5372 Fundamentals of Computer Security**
- CIS 5374 Information Security and Privacy**

**Application Development**

- COP 4005 *Windows Prmg for IT* (Prereq: CEN3721 & (COP3804 or COP3337); Co-req: COP4703)
- COP 4655 *Mobile Appl Prgm* (Prereq: (CEN3721 & COP4814) or (CAP4104 & CEN4010))
- COP 4813 *Web Appl Prgm* (Prereq: CGS 4854)
- CAP 5602 Intro to Artificial Intelligence** (Prereq: STA 3164)
- CAP 5768 Introduction to Data Science** (Prereq: STA 3164)
- CAP 5610 Introduction to Machine Learning**
- CAP 5640 Grad Intro to Natural Language Processing**
- CAP 5771 Princ of Data Mining** (Prereq: COP 4710 & STA 3033)

**Network Administration**

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

**^ ENC3213/ENC3249 prerequisite:** complete the UCC English requirements

**\* COT3100:**  
 Prereq: MAC XXXX and COP XXXX (any MAC course and any COP course)  
 Coreq: (COP2210 or COP2250 or EEL2280)

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.