



DEPARTMENT OF COMPUTER &  
ELECTRICAL ENGINEERING  
& COMPUTER SCIENCE

College of Engineering & Computer Science  
Florida Atlantic University

Bachelor of Science in **Computer Science** Curriculum

**COMPUTER SCIENCE ELECTIVES:**

9 credits chosen from CSE upper division courses that are not in the above CS core (CET and CTI courses are excluded, but students can take ENG 4040 and ISM 4133 for CS elective credit).

**Suggested Groups of Concentration:**

**\* Internet Technology**

- CNT 4104 Intro to Data Communications
- CNT 4403 Intro to Data and Network Security
- COP 4703 Applied Database Systems □
- COP 4593 Component Programming with .NET □

**Applications**

- CAP 4630 Intro to Artificial Intelligence □
- CAP 4034 Computer Animation
- CAP 4750 Computer Graphics Methods

**\* Software Engineering**

- CEN 4910 SW Engineering Project
- ISM 4133 Adv. Systems Analysis & Design
- COP 4331 Object-Oriented Design & Prog □

**\* System Performance**

- MAP 4260 Intro to Queueing Theory ‡
- COP 4301 Modeling & Simulation of Systems
- CEN 4410 Intro to Computer System Perform

**\* System Programming**

- COP 4020 Programming Languages □
- COP 4604 UNIX System Programming
- COP 4620 Computer Language Translation

**\* Computer Architecture**

- CDA 4170/4204 CAD-Based Computer Design †
- CDA 4210 Intro to VLSI
- CDA 4630 Intro to Embedded System Desig

† Cannot use same course as for core

‡ Cannot be used as both additional math & elective

□ One elective must use a language other than C/C++

**OTHER REQUIREMENTS:**

**4 year & Transfer students @ :**

- At least 120 credits
- At least 45 credits at a senior institution
- Last 30 upper division credits from FAU
- Foreign Language: 2nd semester course (any language)

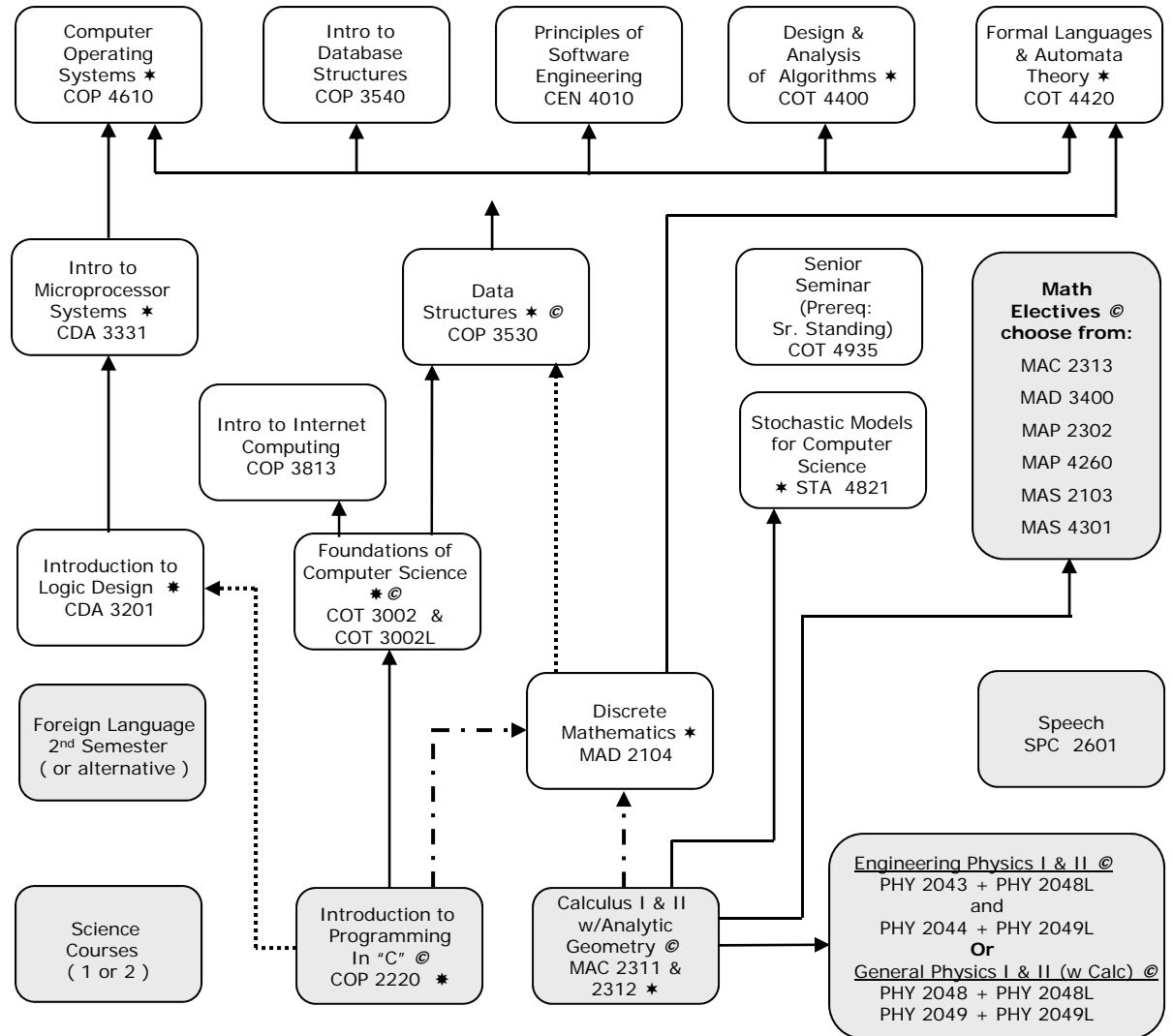
**Second Degree Students @ :**

- At least 30 new FAU credits
- At least 25 credits upper division CSE courses at FAU Foreign Language not required

**Course Requirements for admission to MSCS program**

- \* required courses
- \* prerequisites for required course

@ **Grade of C or better required**



**LEGEND:**

← Required

← - - - - Recommended

← ········· Co-Requisite

Shaded courses are dept. "prerequisites" – often taken as part of a student's AA degree.

Revised 11/19/2009