

COMPUTER SCIENCE ELECTIVES:

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

One elective must be one of these second programming language/advanced content courses

- COP 4703 Applied Database Systems
- COP 4593 Component Programming with .NET
- CAP 4630 Intro to Artificial Intelligence
- COP 4020 Programming Languages

Suggested Groups of Concentration:

Information Technology

- CNT 4104 Intro to Data Communications
- CNT 4403 Intro to Data and Network Security
- COP 4814 Web Services
- COP 4703 Applied Database Systems
- COP 4593 Component Programming with .NET
- CAP 4770 Intro to Data Mining and Mach Intelligence
- COP 4854 Cutting Edge Web Tech

Applications

- CAP 4034 Computer Animation
- CAP 4750 Computer Graphics Methods
- CAP 4028 Intro to Game Programming
- COP 4064 Graphical Application Development

Software Engineering

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

System Performance

- MAP 4260 Intro to Queueing Theory †
- CEN 4400 Intro to Computer System Perform

System Programming

- COP 4604 UNIX System Programming
- COP 4020 Programming Languages

Computer Architecture

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

† Cannot use same course as for core

‡ Cannot be used as both additional math & elective

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)

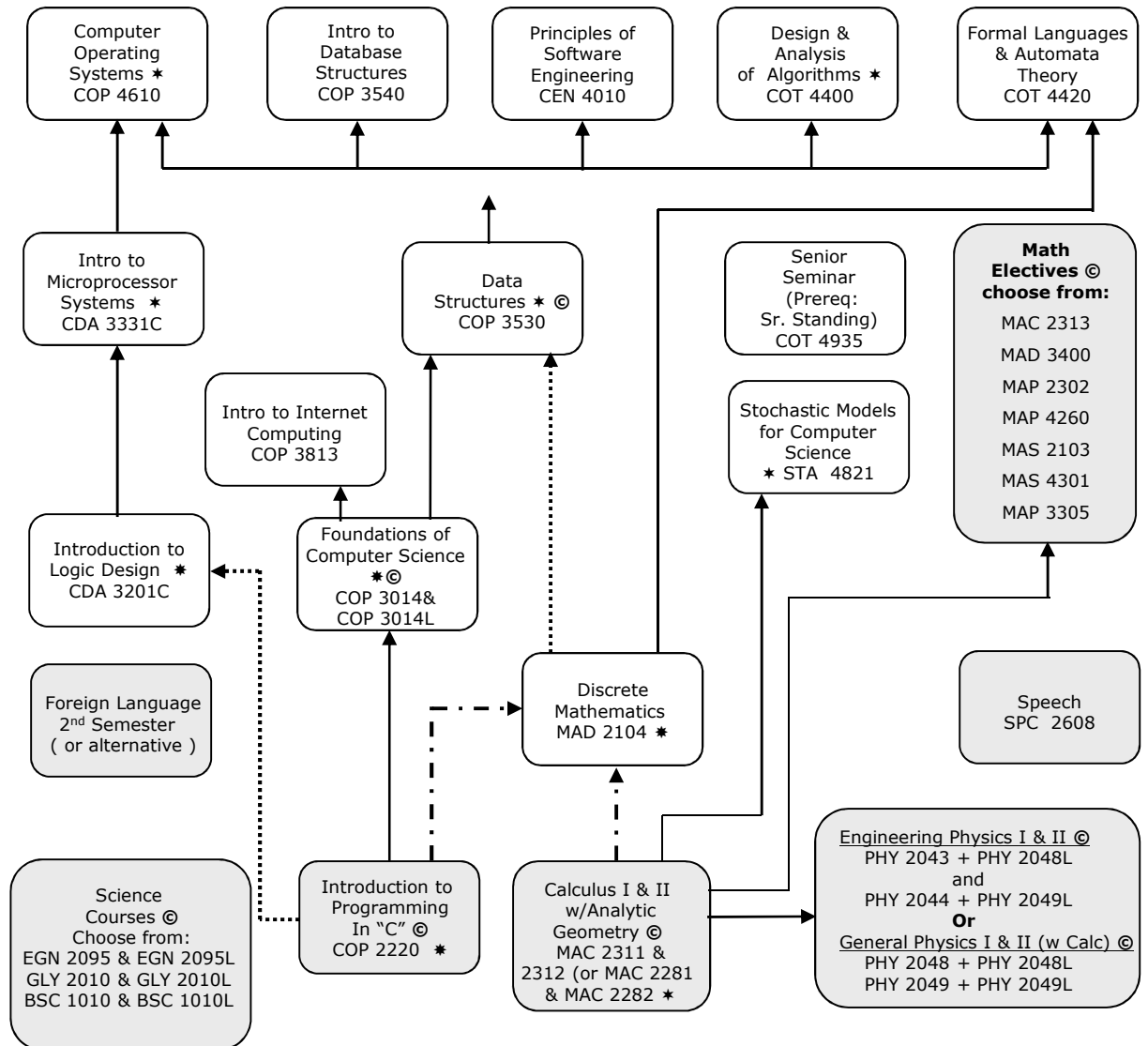
Second Degree Students © :

- At least 30 new FAU credits
- At least 25 credits upper division CS and CE 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**

Bachelor of Science in **Computer Science** Curriculum



LEGEND:

← Required ← - - - - - Recommended ← ··········· Co-Requisite
 Shaded courses are dept. "prerequisites" – often taken as part of a student's AA degree. Revised 05/07/2012