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 EGN 4040 and ISM 4133 for CS elective credit).
At least 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

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 4028: Intro to Game Programming
- COP 4367: Graphical Application Development

Software Engineering
- CEN 4910: SW Engineering Project
- COP 4331: Object-Oriented Design & Programming

System Performance
- MAP 4260: Intro to Queuing Theory
- CEN 4400: Intro to Computer System Perform

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:
© Grade of C or better required

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

Course Requirements for admission to MSCS program
* required courses

Additional Science, Calculus, & Physics:
One or two science courses to bring the total credits in calculus, physics, and other sciences to at least 21 credits. These additional science courses must come from biology, chemistry or geology, and be equivalent to courses taken by science majors at FAU.

Bachelor of Science in Computer Science Curriculum

LEGEND:
- Required
- Recommended
- Co-Required
- Shaded courses are dept. “prerequisites” – often taken as part of a student’s AA degree.

Revised 10/14