

College of Engineering & Computer Science  
Florida Atlantic University

**Bachelor of Science Degree in Computer Science  
Four Year Student Program Worksheet**

Name: \_\_\_\_\_ Z# \_\_\_\_\_ Advisor: \_\_\_\_\_  
Admission Date: \_\_\_\_\_ Prev. Institution: \_\_\_\_\_ Credits \_\_\_\_\_

**UNIVERSITY REQUIREMENTS**

(C or better required in all courses marked with \* **when used for Writing requirement**)

**English Composition**

ENC 1101 (College Writing I) 3\* \_\_\_\_\_  
ENC 1102 (College Writing II) 3\* \_\_\_\_\_

**General Education – Humanities – any 3 = 9 Cr.**  
(Select from 2 different disciplines)

PHI 1012 (Reason & Value) 3\* \_\_\_\_\_  
WOH 2012 (History of Civilization) 3\* \_\_\_\_\_  
LIT 2010, 2030 or 2040 3\* \_\_\_\_\_  
ARH 2000, MUL 2010, THE 2000 3\* \_\_\_\_\_  
ARC 2208, DAN 2100, or FIL 2000 \_\_\_\_\_

**General Education-Social Science – any 3 = 9 Cr.**  
(Select courses from 3 different disciplines)

ANT 2000 or ANT 2410 3 \_\_\_\_\_  
ECO 2023 or ECO 2313 3 \_\_\_\_\_  
GEA 2000 (World Geography) 3 \_\_\_\_\_  
POS 1041 (Government of the US) 3 \_\_\_\_\_  
PSY 1012 (General Psychology) 3 \_\_\_\_\_  
SYG 1000 or SYG 1300 3 \_\_\_\_\_  
URP 2051 (Designing the City) 3 \_\_\_\_\_  
CCJ 2002 (Law, Crime and CJS) 3 \_\_\_\_\_  
PAD 2258 (Changing Environment) 3 \_\_\_\_\_

Foreign Language 2 \_\_\_\_\_ 3, 4 \_\_\_\_\_  
Or Proficiency Certification \_\_\_\_\_

**COMPUTER SCIENCE GENERAL REQUIREMENTS**

(C or better in all courses except speech)

**Science**

PHY 2043 (Physics for Engineers) 3\* \_\_\_\_\_  
or PHY 2048 (Physics I) 4\* \_\_\_\_\_  
PHY 2048L (Physics I Lab) 1\* \_\_\_\_\_

PHY 2044 (Physics for Engineers) 3\* \_\_\_\_\_  
or PHY 2049 (Physics II) 4\* \_\_\_\_\_  
PHY 2049L (Physics II Lab) 1\* \_\_\_\_\_

**Other**

SPC 2601 (Speech) 3 \_\_\_\_\_

**Science Electives – 3-6 Credits**

(Chem, Bio, or Geology courses for science majors)

\_\_\_\_\_ \_\_\_\_\_  
\_\_\_\_\_ \_\_\_\_\_

**Mathematics**

MAC 2311 (Calculus w/Analytic I) 4\* \_\_\_\_\_  
MAC 2312 (Calculus w/Analytic II) 4\* \_\_\_\_\_  
Additional math course from approved list  
\_\_\_\_\_ 3, 4\* \_\_\_\_\_  
COP 2220 (Intro Programming in C) 3\* \_\_\_\_\_

\*Course GPA: \_\_\_\_\_ (\_\_\_\_ credits)

**COMPUTER SCIENCE CORE COURSES**

(2.5 GPA in all courses)

COT 3002 (Foundations of Comp Sci) © 3 \_\_\_\_\_  
COT 3002L (Foundations of CS Lab) 3 \_\_\_\_\_  
COP 3530 (Data Struct & Algo Anyl) © 3 \_\_\_\_\_  
COP 3540 (Intro to Database Structures) 3 \_\_\_\_\_  
COP 3813 (Intro to Internet Computing) 3 \_\_\_\_\_

COT 4420 (Formal Lang & Auto Theory) 3 \_\_\_\_\_  
COP 4610 (Comp Operating Systems) 3 \_\_\_\_\_  
COT 4935 (Senior Seminar) 1 \_\_\_\_\_  
MAD 2104 (Discrete Mathematics) 3 \_\_\_\_\_  
STA 4821 (Stochastic Models for CS) 3 \_\_\_\_\_

Core GPA: \_\_\_\_\_ (40 credits)

© Grade of C or better required

## CS ELECTIVES (9 credits)

(Select any 3 of the following courses)

One CS elective or other non-core course in which a programming language other than C/C++ is taught

### Internet Technology

CDA 4504 (Intro to Data Communications) 3 \_\_\_  
COP 4331 (Object Oriented Design & Prog) **H** 3 \_\_\_  
COP 4020 (Programming Languages) **H** 3 \_\_\_  
COP 4703 (Applied Database Systems) **H** 3 \_\_\_  
COP 4593 (Component Program w .Net) **H** 3 \_\_\_

### Applications

CAP 4630 (Intro to Artificial Intelligence) **H** 3 \_\_\_  
CAP 4750 (Computer Graphics Methods) 3 \_\_\_

### Software Engineering

CEN 4910 ( SW Engineering Project) 3 \_\_\_  
ISM 4133 (Adv Sys Analysis & Design) 3 \_\_\_

### System Performance

MAP 4260 ( Intro Queuing Theory) **v** 3 \_\_\_  
COP 4301 (Model & Simulation of Sys) 3 \_\_\_

### System Programming

COP 4620 (Computer Language Translation) 3 \_\_\_  
COP 4020 (Programming Languages) 3 \_\_\_  
CDA 4500 (Intro to Data Communications) 3 \_\_\_  
COP 4604 (UNIX System Programming) 3 \_\_\_

### Computer Architecture

CDA 4102 (Structured Computer Arch) 3 \_\_\_  
CDA 4204 (CAD-Bsd Comp Dsgn) 3 \_\_\_  
CDA 4210 (Intro to VLSI) 3 \_\_\_  
CDA 4630 Intro to Embedded Sys Dsgn) 3 \_\_\_

### Other

EGN 4040 (Inventive Problem Solv in Eng) 3 \_\_\_

**v** – Cannot use same course for math elective

**H** – Fulfills language other than C/C++ elective requirement

Special Topics Courses, Directed Independent Study, or other courses approved by advisor

\_\_\_\_\_

Note: CS students cannot count COP 2XXX language courses other than COP 2220 taken after admission to FAU nor COP 3510 nor STA 4032 toward the minimum degree requirements.

## GENERAL REQUIREMENTS

CLAST: Not required % Passed all parts %

Total Credits  $\geq$  120% At least 45 credits from 4-year college or university %

Last 30 upper-division credits at FAU %

At least 25 upper-division CSE credits at FAU %

Summer Attendance at SUS university  $\geq$  9 cr (Required of students who enter FAU with < 60 credits)

Not required %

Satisfied % (List terms and credits earned \_\_\_\_\_)

**PLEASE NOTE:** The purpose of this worksheet is to provide a detailed presentation of the CS program requirements. Your filling in of this worksheet has no official status and in no way substitutes for an online audit. Your advisor will be happy to go through such an online audit with you, and you can do it yourself any time you wish. Please see <http://www.cse.fau.edu/~thomas/Audits/Audits.htm> for simple directions on using the online audit system. The online audit system is much more convenient to use than this worksheet as a tool for determining your progress toward satisfying the CS program requirements, since it is up to date with requirements and with your records. In particular, there is no need for you to enter the courses you have taken, as you do on this worksheet. The online audit tells you which requirements you have satisfied, and which you have not yet satisfied.