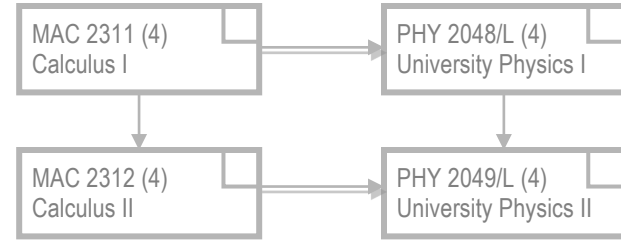


# 2010 - 2012 Software Engineering Curriculum Prerequisite Flowchart

Values in parenthesis indicate course hours.

Name \_\_\_\_\_ SID \_\_\_\_\_ September 30, 2011



MAN 3240 (3)  
Behavior in Orgs.

COM 4110 (3)  
Bus. & Prof. Comm.

COT 3011/L or  
COP 3014/L(4)  
Alg & Prog Design

COP 3411/L or  
COP 3530/L(4)  
Data Structs & Alas I

CIS 4385 (3)  
Cybersec. Forensics

CNT 4007C (3)  
T&F of Networks

COP 3022/L (4)  
Intermediate Prog.

COP 4027/L (3)  
Adv. Comp. Prog.

COP 4610C (3)  
T&F of Op. Systems

COP 2253 (3)  
Intro to Java

CEN 3031 (3)  
Software Engr. 1

CEN 3032 (3)  
Software Engr. 2

CEN 4053 (3)  
SE Management

CDA 3101/L (4)  
Intro Computer Org

CIS 3512 (3)  
Software Doc

CEN 4721 (3)  
Human-Comp. Inter.

CIS 4595C (3)  
Capstone Project

Science for majors (3)  
course

CGS 2060 (3)\*  
Excursions in Comp  
*\* Recommended Gen Ed  
Science – Not Required.*

COP 4710 (3)  
Database Sys.

Senior  
standing

The remainder of the program will be comprised of electives that students can select without limitation. However, students are advised to select 3000/4000 level courses to total at least 48sh at the 3000/4000 level if necessary. If students do not require additional 3000/4000 level courses, they may take 1000/2000 level courses at UWF. These are a list of possible electives, grouped by area. Note that by taking the two Databases classes students can earn the Database certificate, and by taking two of the Web Tech classes students can earn the Web Development certificate. This list is not exclusive, additional electives may be available – check the course schedule for additional possibilities.

### Artificial Intelligence

CAP 4601 (3)  
Artificial Intelligence

CAP 4053 (3)  
AI for Interactive Env

### Web Design

CGS 3183 (3)  
Web Des. for eCom.

CGS 3853 (3)  
Web Page Design

### Systems Security

CNT 4403 (3)  
Sys & Net Security

CTS 4348 (3)  
Linux System Admin

### Distr. Software Arch.

COP 4856 (3)  
Distributed Arch I

COP 4857 (3)  
Distributed Arch II

### IT, any prog. lang.

CEN 4340C (3)  
IT Infrastructure

CIS 4361C (3)  
IT Securitiv

CNT 4014C (3)  
IT Administration

CTS 3159 (3)  
End User Support

### iOS Programming, any OO prog

COP 3990 (3)  
iPhone/iPad Program

### Database, COP 4710

CAP 4770 (3)  
Data Mining

COP 4723 (3)  
Database Admin

### Web Tech., any prog lang.

CIS 4340 (3)  
Web Server Tech.

CTS 4817 (3)  
Web Server Admin.

COP 3813 (3)  
Internet Programming

### Control Sys. Prog.

CDA 3990 (3)  
Control Sys Prog

CDA 4990 (3)  
Real Time Systems

### Graphics

CAP 4033C (3)  
3D Model. & Anim.

CGS 3523 (3)  
Comp. Graphics App.