



# Wharton County Junior College

## Computer Programming AAS Degree

### Degree Advising Plan

Student Name: \_\_\_\_\_ ID: \_\_\_\_\_

#### Computer Programming

An Associate in Applied Science degree program offered by the Division of Technology and Business.

The curriculum in computer programming introduces the student to the concepts of computer programming and software design. The curriculum is designed to provide the students with knowledge and skills in several programming languages and operating systems including Visual Basic.Net, C++, Java, ASP, HTML, JavaScript, Database, SQL, Visual Design principles and Interactive communication design, UNIX and Windows and to help them to perform tasks associated with developing and modifying software applications.

Students are instructed through traditional classroom forums while gaining valuable hands-on laboratory experience, where they develop skills in software scripting, programming languages, and other related technical subjects. This program is intended to begin preparing students for career opportunities in various entry-level positions involving computer software development including web application programming.

**Some upper level universities will allow you to transfer anywhere from 24-44 hours of your technical credit toward a Bachelor of Applied Arts or Science. Contact your transfer university.**

#### Computer Programming

(65 semester credit hours)

Course	Course Title / Certification(s)	Sem. Hours	Date Completed	Grade Earned
Freshman Year, First Semester		TOTAL Semester Hours: <b>15</b>		
COSC 1301	Microcomputer Applications / IC3 Certification	3		
ITSC 1305	PC Operating System / MCSE Certification #70-270	3		
ITSC 1313	Internet/Web Page Development	3		
ITSE 1329	Programming Logic and Design	3		
ITSW 1307	Introduction to Database	3		
Freshman Year, Second Semester		TOTAL Semester Hours: <b>15</b>		
ITSC 1307	UNIX	3		
ITSW 1321	Intermediate PC Operating Systems	3		
ITSE 1311	Web Page Programming	3		
ITSE 1331	Introduction to Visual Basic	3		
ITSE 2309	Database Programming	3		
Summer I		TOTAL Semester Hours: <b>6</b>		
Elective	Humanities or Performing/Visual Arts	3		
MATH 1314 or higher	College Algebra	3		
Sophomore Year, First Semester		TOTAL Semester Hours: <b>16</b>		
COSC 1436	Programming Language I	4		
ITSE 1391 or CS Elective	Special Topics or Computer Science Elective	3		
ITSE 2302	Introduction to Web Page Programming	3		
ITSE 2317	Java	3		
ITSE 2349	Advanced Visual Basic	3		
Sophomore Year, Second Semester		TOTAL Semester Hours: <b>13</b>		
COSC 1437	Programming Language II	4		
INEW 2330 (CC)	Computer Software Project (CC = Capstone Course)	3		
ITSE 2338 or CS Elective	Advanced Java or Computer Science Elective	3		
Elective	Social/Behavioral Science	3		

Degree/Certificate(s) Earned: \_\_\_\_\_

Date: \_\_\_\_\_

Student's Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Advisor's Signature: \_\_\_\_\_

Date: \_\_\_\_\_