



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 at the Wharton Campus and the Sugarland Campus locations.

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
(68 semester credit hours)**

Course	Course Title / Certification(s)	Sem. Hours	Date Completed	Grade Earned
Freshman Year, First Semester		TOTAL Semester Hours:		
		15		
COSC 1301	Microcomputer Applications / IC3 Certification	3		
ITSC 1305	PC Operating System / MCSE Certification #70-270	3		
ITNW 1325	Fundamentals of Networking / NET+ Certification	3		
ITSE 1329	Programming Logic and Design	3		
Math 1314	College Algebra	3		
Freshman Year, Second Semester		TOTAL Semester Hours:		
		15		
ITSC 1307	UNIX	3		
ITSW 1307	Introduction to Database	3		
ITSC1313	Internet/Web Page Development	3		
ITSE 1331	Introduction to Visual Basic	3		
ENGL 1301	English Composition I	3		
Summer I		TOTAL Semester Hours:		
		6		
ENGL 1302	English Composition II	3		
GOVT 2301	Constitutions, Federalism, & Participation	3		
Sophomore Year, First Semester		TOTAL Semester Hours:		
		16		
COSC 1436	Programming Language I	4		
ITSE2309	Database Prog	3		
ITSE 2317	Java	3		
Perf/Visual Arts.	ARTS, DRAM, MUSI elect.	3		
Elective *	Any Science or ITSC, ITCC, ITNW, IMED, ITSW or ITSE course	3		
Sophomore Year, Second Semester		TOTAL Semester Hours:		
		16		
COSC 1437	Programming Language II	4		
INEW 2330 (CC)	Computer Software Project (CC = Capstone Course)	3		
ITSE 2349	Advanced Visual Basic	3		
Elective *	Science or ITSC, ITCC, ITNW, IMED, ITSW, or ITSE choice	3		
Elective *	Govt. 2302 or ITSC, ITCC, ITNW, IMED, ITSW, or ITSE choice	3		

*** Electives: If planning to continue on to a 4-year degree, at least 6 hours of Science and GOVT 2302 should be taken for electives. If not, any ITSC, ITCC, ITNW, IMED, ITSW, or ITSE elective can be taken.**

Degree/Certificate(s) Earned: _____ **Date:** _____

Student's Signature: _____ **Date:** _____

Advisor's Signature: _____ **Date:** _____