

**FAYETTEVILLE TECHNICAL COMMUNITY COLLEGE
COMPUTER PROGRAMMING (A25130)**

Effective: Fall 2012

Revised: 02/24/12

Length: 5 Semesters
Prerequisite: 2 Units of Algebra, Placement Test Equivalent
Award: Associate in Applied Science

FALL SEMESTER 1

Prefix No.	Title	Class	Lab	Work Exp.	Credit
	ACA Elective	1	0	0	1
ACC111	Financial Accounting	3	0	0	3
CIS110	Introduction to Computers	2	2	0	3
CIS115	Intro to Prog & Logic	2	2	0	3
ENG111	Expository Writing	3	0	0	3
MAT161	College Algebra	3	0	0	3
MAT161A	College Algebra Lab	0	2	0	1
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	Totals	14	6	0	17

SPRING SEMESTER 1

Prefix No.	Title	Class	Lab	Work Exp.	Credit
COM231	Public Speaking	3	0	0	3
CSC139	Visual BASIC Prog	2	3	0	3
CSC151	JAVA Programming	2	3	0	3
DBA110	Database Concepts	2	3	0	3
NOS110	Operating System Concepts	2	3	0	3
SEC110	Security Concepts	3	0	0	3
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	Totals	14	12	0	18

SUMMER SEMESTER 1

Prefix No.	Title	Class	Lab	Work Exp.	Credit
	Humanities/Fine Arts Elective	3	0	0	3
	Social/Behavioral Science Elective	3	0	0	3
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	Totals	6	0	0	6

FALL SEMESTER 2

Prefix No.	Title	Class	Lab	Work Exp.	Credit
CSC239	Adv Visual BASIC Prog	2	3	0	3
CSC251	Adv JAVA Programming	2	3	0	3
CTS115	Info Sys Business Concept	3	0	0	3
CTS285	Systems analysis & Design	3	0	0	3
	Major Elective	2	0	0	2
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	Totals	12	6	0	14

SPRING SEMESTER 2

Prefix No.	Title	Class	Lab	Work Exp.	Credit
CSC289	Programming Capstone Project	1	4	0	3
DBA120	Database Programming I	2	2	0	3
NET110	Networking Concepts	2	2	0	3
NOS120	Linux/UNIX Single User	2	2	0	3
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	Totals	7	10	0	12

TOTAL REQUIRED CREDITS...67

Co-op Option: Qualified students may elect to take up to two (2) credit hours of Cooperative Education in lieu of a Major elective provided they acquire approval from the Co-op Director and the Department Chairperson.

***Note:** Students **may not** take an introductory foreign language to fulfill the Humanities/Fine Arts requirement.

PROGRAM FACT SHEET

COMPUTER PROGRAMMING

A25130

The Computer Programming curriculum prepares individuals for employment as computer programmers and related positions through study and applications in computer concepts, logic, programming procedures, languages, generators, operating systems, networking, data management, and business operations.

Students will solve business computer problems through programming techniques and procedures, using appropriate languages and software. The primary emphasis of the curriculum is hands-on training in programming and related computer areas that provide the ability to adapt as systems evolve.

Graduates should qualify for employment in business, industry, and government organizations as programmers, programmer trainees, programmer/analysts, software developers, computer operators, systems technicians, database specialist, computer specialist, software specialist, or information systems managers.

Awards

Associate Degree: Computer Programming (A25130)

Length of Program: 5 Semesters
Prerequisite: 2 Units of Algebra, Placement Test Equivalent

Diploma: Not Applicable

Length of Program:
Prerequisite:

Certificate: Visual Basic Programming (C25130C4)

Length of Program: 3 Semesters
Prerequisite: High School Diploma
1 Unit of Algebra, Placement Test Equivalent

Certificate: JAVA Programming (C25130C5)

Length of Program: 3 Semesters
Prerequisite: High School Diploma
1 Unit of Algebra, Placement Test Equivalent

Certificate: Database Programming (C25130C6)

Length of Program: 3 Semesters
Prerequisite: High School Diploma
1 Unit of Algebra, Placement Test Equivalent

Certificate: C# Programming (C25130C7)

Length of Program: 3 Semesters
Prerequisite: High School Diploma
1 Unit of Algebra, Placement Test Equivalent

Cooperative Education Requirements/Opportunities: For cooperative education requirements/opportunities please see the appropriate Program Edplan and/or Sequencing sheet.

License or Certification Information: None Required

Program Information Contact:

Curriculum Chairperson: Jenneth Honeycutt

Telephone Number: (910) 678-7354

Office Location: Advanced Technology Center, Room 113H

Email: honeycuj@faytechcc.edu

Department Office: Advanced Technology Center, Room 113

Telephone: (910) 678-8347

FTCC Web Site: www.faytechcc.edu

Application Deadlines: The program is designed for a student to enter during the fall semester. A student may enter at other times with approval of the Department Chairperson.

Scholarship/Title IV Financial Aid/VA Services: Scholarships/Title IV Financial Aid/Veteran's assistance may be available for associate degrees. Certificates and diplomas that fall under this program/area of study **may or may not be eligible** for Scholarship/Title IV Financial Aid/VA Services. Please contact the Financial Aid Office, Student Center, Room 126; Telephone (910) 678-8242. Veterans Services, Student Center, Room 119, (910) 678-8395.

Child Care Financial Assistance Information:

Child Care Associate, Student Center, Room 142, Telephone: (910) 678-8486

ATTENTION: If you have missed two (2) consecutive semesters, you must see a counselor to be readmitted into your program.

Revised: 02/24/12