



Computer Information Systems – Computer Programmer Specialist

Level 1 Certificate

Technology Pathway

AC Course Number	Required Course Titles	Credit Hours	Semesters Offered	Course Modalities
FIRST YEAR				
First Semester				
<input type="checkbox"/> ENGL 1301	Composition I	3	F, W, Sp, Su	F2F, Int, Hyb
<input type="checkbox"/> SPCH 1315	Public Speaking	3	F, W, Sp, Su	F2F, Int, Hyb
<input type="checkbox"/> HRPO 1311 or BMGT 1327	Human Relations or Principles of Management	3	F, Sp, Su	F2F, Int
<input type="checkbox"/> ITSC 1301	Introduction to Computers	3	F	F2F, Int
<input type="checkbox"/> ITSE 1302	Computer Programming	3	F, Sp	Int, Hyb
Second Semester				
<input type="checkbox"/> ITSE 1331	Introduction to Visual Basic Programming	3	Sp	Hyb
<input type="checkbox"/> ITSE 1307	Introduction to C++ Programming	3	Sp	F2F
<input type="checkbox"/> ITSE 2317	Java Programming	3	Sp	F2F
<input type="checkbox"/> ITSC 2380 or ITSC 2339	Cooperative Education, CIS or Personal Computer Help Desk Support	3	F, Sp	Int
TOTAL CREDIT HOURS		27		

Semesters: Fall (F), Winter (W)Spring (Sp), Summer (Su)

Modalities: Face-to-face (F2F), Internet/online (Int), Hybrid (Hyb)



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Transfer Opportunities

Continue studies at Angelina College for Associate Applied Science (AAS) to a Bachelors Applied Arts & Science (BAAS) at most Universities.

Marketable Skills

- 1) Work well on a team
- 2) Define, explain and interpret technical information
- 3) Use critical thinking to identify strengths and weakness to determine solutions
- 4) Identify appropriate information sources
- 5) Use math to answer questions
- 6) Schedule/coordinate Operations
- 7) Use current technology to diagnose and solve problems
- 8) Use Troubleshooting to determine causes and decide what to do about it
- 9) Think on your feet

Career Opportunities and Salaries

Employment of computer and information technology occupations is projected to grow 13 percent from 2016 to 2026, faster than the average for all occupations. These occupations are projected to add about 557,100 new jobs. Demand for these workers will stem from greater emphasis on cloud computing, the collection and storage of big, data, and information security.

Occupations, beginning salaries:

Computer Programmer Specialist - \$37,690

Technical Skills

Computer programmers write and test code that allows computer applications and software programs to function properly. They turn the program designs created by software developers and engineers into instructions that a computer can follow.

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