



Computer Information Systems – Programmer/Analyst

Associate of Applied Science

Technology Pathway

AC Course Number	Required Course Titles	Credit Hours	Semesters Offered	Course Modalities
FIRST YEAR				
First Semester				
<input type="checkbox"/> ITSC 1301	Intro to Computers	3	F	F2F, Int
<input type="checkbox"/> ITSE 1302	Computer Programming	3	F, Sp	Int, Hyb
<input type="checkbox"/> ITNW 1325	Fundamentals of Networking Technology	3	F	F2F, Int
<input type="checkbox"/> BUSI 1301	Business Principles	3	F, Sp, Su	F2F, Int
<input type="checkbox"/> ENGL 1301	Composition I	3	F, W, Sp, Su	F2F, Int, Hyb
<input type="checkbox"/> STSU 0300	Student Success	0	F, W, Sp, Su	F2F, Int, Hyb
Second Semester				
<input type="checkbox"/> ITSE 1307	Intro to C++	3	Sp	F2F
<input type="checkbox"/> ITSE 1331	Intro to Visual Basic Programming	3	Sp	Hyb
<input type="checkbox"/> ITSE 1350	Systems Analysis & Design I	3	Sp	F2F
<input type="checkbox"/> MATH 1314 or MATH 1324	College Algebra or Math for Business & Social Science	3	F, W, Sp, Su	F2F, Int, Hyb
<input type="checkbox"/> XXXX 13xx	Creative Arts Core*	3	F, W, Sp, Su	F2F, Int, Hyb
SECOND YEAR				
First Semester				
<input type="checkbox"/> ITSW 1307	Intro to Database	3	Sp	F2F
<input type="checkbox"/> ITSW 1304	Intro to Spreadsheets	3	F, Sp, Su	F2F, Int
<input type="checkbox"/> INEW 2330	Computer Software Project: Planning & Design	3	F	Hyb
<input type="checkbox"/> ACCT 2301	Principles of Financial Accounting	3	F, Sp, Su	F2F, Int
<input type="checkbox"/> SPCH 1315	Public Speaking	3	F, W, Sp, Su	F2F, Int, Hyb
Second Semester				
<input type="checkbox"/> ITSE 2317	Java Programming	3	Sp	F2F
<input type="checkbox"/> INEW 2332 or ITSC 2380 or ITSC 2339	Computer Software Project: Coding, Testing & Implement or Coop, CIS or Personal Computer Help Desk	3	F, Sp, Su	Int
<input type="checkbox"/> ECON 2301	Principles of Macroeconomics	3	F, Sp, Su	F2F, Int
<input type="checkbox"/> ACCT 2302	Principles of Managerial Accounting	3	F, Sp, Su	F2F, Int
TOTAL CREDIT HOURS		60		

* Choose from ARTS 1301, DRAM 1310, MUSI 1306, or MUSI 1310

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

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



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Catalog Year: 2019-20

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Transfer Opportunities

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 Programmers - \$29,836 a yr.

Software Developers, Systems Software - \$47,226 a yr.

Software Developers, Applications - \$48,162 a yr.

Technical Skills

You have to be able to work effectively with a wide range of software programming, applications, coding, designing, hardware, and devices.

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