

Associate of Applied Business Degree Business

Information Technology and Computer Science

Computer Science/Programming

Application Programming and Development Concentration (9246)

This option provides students with a concentration in the C#, Visual Basic, and Java programming languages with emphasis on application programming and development.

First Semester:

ACCT 1100	Introduction to Financial Accounting	4
ENGL 1110*	English Composition I (A)	3
OR		
ENGL 1111	English Composition I (B)	
MATH 1600**	Survey of College Mathematics	3
SPCH 1050***	Fundamentals of Public Speaking	2
OR		
SPCH 1150	Fundamentals of Interpersonal Communication (1st 8 weeks)	
ITIS 1005	Computers and Information Processing	3
(2nd 8 weeks)		
ITCS 1010	Programming Logic	3
ITON 1030	Using Microsoft Windows Vista	1
OR		
ITON 1050	Using Microsoft Windows 7	

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Second Semester:

ACCT 1200	Introduction to Managerial Accounting	3
ENGL 1121	English Composition II-Technical Focus	3
ITCS 1810	Visual Basic.NET Programming I	3
ITCS 1820	Java Programming I	3
ITCS 1840	Visual C#.NET Programming I	3
ITON 1205	Network+ and Networking Essentials	2

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Third Semester:

BUSM 1300	Introduction to Business	3
ITCS 2010	Systems Analysis	3
Choose any two of the following three courses:		
ITCS 2810	Visual Basic.NET Programming II	3
OR		
ITCS 2820	Java Programming II	
OR		
ITCS 2840	Visual C#.NET Programming II	3
(1st 8 weeks)		
ITDB 1400	Introduction to Oracle SQL	2
ITON 2030	Windows Vista Configuration	2
OR		
ITON 2050	Windows 7 Configuration	

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Fourth Semester:

ECON 1150	Basic Economics	3	
OR			
ECON 2600	Principles of Microeconomics		
ITCS 2890	Application Programming and Development Capstone	5	
MATH 2130	Business Statistics I	3	
Choose course(s) from the Arts and Humanities Electives list			3
Choose course(s) from the Natural Sciences Electives list			3

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Program Total: 69

*English course selection is based on placement test results (ENGL 1111 is 4 credits, only 3 credits apply to the degree).

**Students planning to transfer to a four-year college should take a sequence of math as advised by their counselor.

***Students may substitute either SPCH 1000 or SPCH 1100. One of these 3 credit courses may be required for students transferring to a four-year college.

Natural Sciences Electives: minimum 3 credits

CHEM 1050	Chemistry in the Everyday World	3
PSCI 1300	Earth Science	3
PSCI 1400	Introduction to Meteorology	3
Any other Natural Sciences laboratory course included in the Transfer Module.		

Arts and Humanities Electives: minimum 3 credits

ARTS 1120, 2220, 2230; ENGL 2250, 2260, 2280, 2290; HUMX 1100, 1200; MUSC 1200, 1215, 1800, 2200, 2250; PHIL 1500, 2000
