

# Associate of Applied Business Degree Business

## Information Technology and Computer Science

### Computer Science/Programming

#### PC Enterprise Programming Concentration (9246)

This option provides students with a concentration in the C#, Visual Basic, and Java programming languages with emphasis on microcomputer client/server applications.

#### First Semester:

ACCT 1100 . . . . .	Introduction to Financial Accounting . . . . .	4
<b>ENGL 1110*</b> . . . . .	<b>English Composition I (A)</b> . . . . .	<b>3</b>
<b>OR</b>		
<b>ENGL 1111</b> . . . . .	<b>English Composition I (B)</b> . . . . .	
ITIS 1012** . . . . .	Applied Computer Mathematics . . . . .	3
<b>SPCH 1050***</b> . . . . .	<b>Fundamentals of Public Speaking</b> . . . . .	<b>2</b>
<b>OR</b>		
<b>SPCH 1150</b> . . . . .	<b>Fundamentals of Interpersonal Communication (1st 8 weeks)</b>	
ITIS 1005 . . . . .	Computers and Information Processing . . . . .	3
<b>(2nd 8 weeks)</b>		
ITCS 1010 . . . . .	Programming Logic . . . . .	3
<b>ITON 1020</b> . . . . .	<b>Using Microsoft Windows</b> . . . . .	<b>1</b>
<b>OR</b>		
<b>ITON 1030</b> . . . . .	<b>Using Microsoft Windows Vista</b>	

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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
<b>(1st 8 weeks)</b>		
ITIS 1115 . . . . .	Internet Technologies and Concepts . . . . .	2
<b>(2nd 8 weeks)</b>		
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:		
<b>ITCS 2810</b> . . . . .	<b>Visual Basic.NET Programming II</b> . . . . .	<b>3</b>
<b>OR</b>		
<b>ITCS 2820</b> . . . . .	<b>Java Programming II</b>	
<b>OR</b>		
<b>ITCS 2840</b> . . . . .	<b>Visual C#.NET Programming II</b> . . . . .	<b>3</b>
ITON 1725 . . . . .	Introduction to the Linux/Unix Operating System . . . . .	2
<b>ITON 2020</b> . . . . .	<b>Supporting Microsoft Windows</b> . . . . .	<b>2</b>
<b>OR</b>		
<b>ITON 2030</b> . . . . .	<b>Windows Vista Configuration (1st 8 weeks)</b>	
ITDB 1400 . . . . .	Introduction to Oracle SQL . . . . .	2

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#### Fourth Semester:

<b>ECON 1150</b> . . . . .	<b>Basic Economics</b> . . . . .	<b>3</b>
<b>OR</b>		
<b>ECON 2600</b> . . . . .	<b>Principles of Microeconomics</b>	
ITCS 2890 . . . . .	PC Enterprise Programming Capstone . . . . .	5
MATH 2130 . . . . .	Business Statistics I . . . . .	3
Choose course(s) from the Arts and Humanities Electives list . . . . .		3
Choose course(s) from the Technical Electives list . . . . .		2

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**Program Total: 72**

*\*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.*

#### Technical Electives: minimum 2 credits

CPET 1050 . . . . .	Assembling, Upgrading and Repairing Personal Computers . . . . .	2
ITCS 2810 . . . . .	Visual Basic.NET Programming II . . . . .	3
ITCS 2820 . . . . .	Java Programming II . . . . .	3
ITCS 2840 . . . . .	Visual C#.NET Programming II . . . . .	3
ITON 1730 . . . . .	Implementing and Administering Linux . . . . .	2
Any Information Technology (ITCS, ITDB, ITIS, ITON) course(s) except ITIS 1000		

#### Arts and Humanities Electives: minimum 3 credits

ARTS 1120, 2220, 2230, 2240; ENGL 2250, 2260, 2280, 2290; HUMX 1100, 1200; MUSC 1200, 2200, 2250; PHIL 1500, 2000