

# Associate of Applied Business Degree Business

## Information Technology and Computer Science

### Operating Systems/Networking

#### Microsoft Networking Concentration (9249)

The Networking Concentration provides coverage of all aspects of installing, administering, and managing a local area network. Based on Lakeland's status as a Microsoft Authorized Academic Training Partner (AATP), instruction included in this emphasis prepares students and professionals for the Microsoft Certified Technology Specialist (MCTS) and Microsoft Certified Information Technology Professional (MCITP) exams.

#### First Semester:

ACCT 1100 . . . . .	Introduction to Financial Accounting . . . . .	4
BUSM 1300 . . . . .	Introduction to Business . . . . .	3
<b>ENGL 1110*</b> . . . . .	<b>English Composition I (A)</b> . . . . .	3
<b>OR</b>		
<b>ENGL 1111</b> . . . . .	<b>English Composition I (B)</b> (1st 8 weeks)	
ITIS 1005 . . . . .	Computers and Information Processing . . . . .	3
<b>(2nd 8 weeks)</b>		
ITCS 1010 . . . . .	Programming Logic . . . . .	3
ITON 1030 . . . . .	Using Microsoft Windows Vista . . . . .	1
ITON 1205 . . . . .	Network+ and Networking Essentials . . . . .	2
		<b>19</b>

#### Second Semester:

ENGL 1121 . . . . .	English Composition II-Technical Focus . . . . .	3
ITCS 1810 . . . . .	Visual Basic.NET Programming I . . . . .	3
ITIS 1100 . . . . .	Internet: Services, Tools and Web Page Creation . . . . .	2
<b>SPCH 1050**</b> . . . . .	<b>Fundamentals of Public Speaking</b> . . . . .	2
<b>OR</b>		
<b>SPCH 1150</b> . . . . .	<b>Fundamentals of Interpersonal Communication</b> (1st 8 weeks)	
ITIS 1355 . . . . .	Security+ and Security Essentials . . . . .	3
ITON 2030 . . . . .	Windows Vista Configuration . . . . .	2
<b>(2nd 8 weeks)</b>		
ITON 2234 . . . . .	Windows Server 2008 Network Infrastructure Configuration . . . . .	2
ITON 2236 . . . . .	Windows Server 2008 Active Directory Configuration . . . . .	2
		<b>19</b>

#### Third Semester:

ITCS 2010 . . . . .	Systems Analysis . . . . .	3
ITIS 1012*** . . . . .	Applied Computer Mathematics . . . . .	3
ITIS 1025 . . . . .	Managing and Optimizing Personal Computers . . . . .	2
ITIS 2015 . . . . .	Information Technology Project Management . . . . .	3
Choose one group of courses from the Technical Elective Groups list . . . . . 4		
<b>(1st 8 weeks)</b>		
ITON 2237 . . . . .	Windows Server 2008 Applications Infrastructure Configuration . . . . .	2
<b>(2nd 8 weeks)</b>		
<b>ITON 2238</b> . . . . .	<b>Windows Server 2008 Server Administrator</b> . . . . .	2
<b>OR</b>		
<b>ITON 2239</b> . . . . .	<b>Windows Server 2008 Enterprise Administrator</b>	

#### Fourth Semester:

BUSM 2200 . . . . .	Organizational Behavior . . . . .	3
<b>ECON 1150</b> . . . . .	<b>Basic Economics</b> . . . . .	3
<b>OR</b>		
<b>ECON 2600</b> . . . . .	<b>Principles of Microeconomics</b>	
ITIS 2365 . . . . .	Network and Security Design . . . . .	3
ITON 2295 . . . . .	Operating Systems and Networking Capstone . . . . .	3
Choose course(s) from the Arts and Humanities Electives list . . . . . 3		

**15**

**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 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.*

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

#### Technical/Related Electives: minimum 4 credits

Students must complete 4 credits by selecting all of the required courses within one of the following groups of courses.

#### Group 1:

**NOTE:** Choose the alternate of the ITON 2238 or ITON 2239 course selected within the program.

ITON 2031 . . . . .	Support and Troubleshoot Applications on Vista . . . . .	2
<b>ITON 2238</b> . . . . .	<b>Windows Server 2008 Server Administrator</b> . . . . .	2
<b>OR</b>		
<b>ITON 2239</b> . . . . .	<b>Windows Server 2008 Enterprise Administrator</b>	

#### Group 2:

ITON 2230 . . . . .	Microsoft Exchange Server Implementation and Administration . . . . .	2
ITON 2231 . . . . .	Configuring Microsoft Office Communications Server . . . . .	2

#### Group 3:

CNET 1100 . . . . .	Cisco Networking Technology I . . . . .	2
CNET 1200 . . . . .	Cisco Networking Technology II . . . . .	2

#### Group 4:

ITON 2020 . . . . .	Supporting Microsoft Windows . . . . .	2
ITON 2212 . . . . .	Managing and Maintaining MS Windows 2003 Server . . . . .	2

#### 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