

Associate of Applied Business Degree Business

Information Technology and Computer Science

Operating Systems/Networking

Operating Systems/Networking Concentration (9249)

The Operating Systems/Networking Concentration provides coverage of all aspects of installing, administering and managing heterogeneous local and wide area networks. Based on Lakeland's status as a Microsoft Authorized Training Partner (AATP) and Red Hat Academy (RHA), instruction included in the emphasis prepares students and professionals for multiple vendor and vendor neutral certifications such as CompTIA Networking+, CompTIA Security+, Microsoft Certified Technology Specialist (MCTS), Microsoft Certified Information Technology Professional (MCITP), and Red Hat Certified Engineer (RHCE).

First Semester:

BUSM 1300Introduction to Business	3
ENGL 1110* English Composition I (A)	3
OR	
ENGL 1111 English Composition I (B)	
MATH 1600**Survey of College Mathematics	3
(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	
ITON 1205.Network+ and Networking Essentials	2

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Second Semester:

ENGL 1121English Composition II-Technical Focus	3
ITIS 1025.Managing and Optimizing Personal Computers	2
ITIS 1355.Security+ and Security Essentials	3
ITON 1746.Red Hat Academy System Administration I	3
SPCH 1050*** Fundamentals of Public Speaking	2
OR	
SPCH 1150 Fundamentals of Interpersonal Communication	
(1st 8 weeks)	
ITON 2030 Windows Vista Configuration	2
OR	
ITON 2050 Windows 7 Configuration	
(2nd 8 weeks)	
ITON 2234.Windows Server 2008 Network Infrastructure Configuration.	2
ITON 2236.Windows Server 2008 Active Directory Configuration.	2

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Third Semester:

BUSM 2200Organizational Behavior	3
ITCS 2010.Systems Analysis.	3
ITIS 2015.Information Technology Project Management.	3
ITON 1756.Red Hat Academy System Administration II.	3
ITON 2750.Shell Script Programming	2
(1st 8 weeks)	
ITON 2237.Windows Server 2008 Applications Infrastructure Configuration	2
(2nd 8 weeks)	
ITON 2238 Windows Server 2008 Server Administrator	2
OR	
ITON 2239 Windows Server 2008 Enterprise Administrator	

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Fourth Semester:

ACCT 1100Introduction to Financial Accounting	4
ECON 1150 Basic Economics	3
OR	
ECON 2600 Principles of Microeconomics	
ITON 2295.Operating System and Networking Capstone	3
Choose course(s) from the Arts and Humanities Electives list.	3
(1st 8 weeks)	
ITON 2776.Red Hat Academy System Administration III	2
(2nd 8 weeks)	
ITON 2786.Red Hat Academy System Administration IV	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.*

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