















## Operating Systems/Networking Concentration (9249)

### Associate of Applied Business Degree

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 Imagine Academy, instruction included in the emphasis helps prepare students and professionals for multiple vendor and vendor neutral certifications such as CompTIA Networking+, CompTIA Security+, and Microsoft Certified Solution Associate (MCSA). In addition to employment opportunities, students have the option to continue their education beyond the two-year associate degree program by enrolling in four-year programs at local universities.


**NOTE:** Students planning to transfer to a four-year college are encouraged to take ENGL 1120 English Composition II in addition to the following requirements.

Course	Title	Credit Hours
<b>First Semester</b>		
BUSM 1300	Introduction to Business	3
ENGL 1110 or ENGL 1111	English Composition I (A) <sup>1</sup> or English Composition I (B)	3
FYEX 1000	First Year Experience	1
ITIS 1007	Principles of Information Technology and Computer Science	3
ITON 1205	Network+ and Networking Essentials 	2
<b>1st 8 weeks</b>		
CNET 1100	Cisco Networking Technology I 	2
<b>2nd 8 weeks</b>		
CNET 1200	Cisco Networking Technology II 	2
		Credit Hours
		16
<b>Second Semester</b>		
BUSM 2000	Principles of Management	3
ITCS 1010	Programming Logic 	3
ITIS 1355	Security+ and Security Essentials 	3
ITON 1748	Linux Administration I 	3
ITON 2250	Installation, Storage, and Compute with Windows Server 2016 	2
MATH 1650	College Algebra	4
		Credit Hours
		18
<b>Third Semester</b>		
BUSM 2400	Business Communication	3
ITIS 1025	Managing and Optimizing Personal Computers 	3
ITON 1758	Linux Administration II 	3
ITON 2070	Installing and Configuring Windows 10 	2
ITON 2750	Shell Script Programming 	2
<b>1st 8 weeks</b>		
ITON 2251	Networking with Windows Server 2016	2
<b>2nd 8 weeks</b>		
ITON 2252	Identity with Windows Server 2016 	2
		Credit Hours
		17
<b>Fourth Semester</b>		
ITIS 2890	Information Technology and Computer Science Capstone 	2
ITON 2768	Linux Administration III 	3
Select course(s) from the Arts and Humanities Electives list		3
Select course(s) from the Natural Sciences Electives list		3

Select courses(s) from the Social and Behavioral Sciences Electives list	3
Credit Hours	14
Total Credit Hours	65

<sup>1</sup> English course selection is based on placement test results (ENGL 1111 English Composition I (B) is 4 credits, only 3 credits apply to the degree).

<sup>2</sup> Students planning to transfer to a four-year college should take a sequence of math as advised by their counselor.

 This course is designated as a technical course in the program. Students must earn a "C" grade or higher in the course to fulfill the college's graduation requirements policy.

## Electives

Course	Title	Credit Hours
<b>Natural Sciences</b>		
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		
<b>Arts and Humanities</b>		
ARTS 1120	Art Appreciation	3
ARTS 2220	Survey of Art I	3
ARTS 2230	Survey of Art II	3
ENGL 2250	Survey of American Literature I	3
ENGL 2260	Survey of American Literature II	3
ENGL 2280	Survey of British Literature I	3
ENGL 2290	Survey of British Literature II	3
HUMX 1100	Introduction to Humanities	3
HUMX 1200	The American Experience in the Arts	3
MUSC 1200	Music Appreciation	3
MUSC 1215	World Music	3
MUSC 1800	Popular Music: Rock, Jazz, Country, and Hip-Hop	3
MUSC 2200	Music History and Literature I	3
MUSC 2250	Music History and Literature II	3
PHIL 1500	Introduction to Philosophy	3
PHIL 2000	Comparative Religion	3
PHOT 1000	History of Photography	3
<b>Social and Behavioral Sciences</b>		
ANTH 1160	Introduction to Cultural Anthropology	3
ECON 1150	Basic Economics	3
ECON 2500	Principles of Macroeconomics	3
ECON 2600	Principles of Microeconomics	3
GEOG 1500	Introduction to Geography	3
GEOG 1600	World Regional Geography	3
GEOG 2500	World Cultural Geography	3
HIST 1150	Western Civilization I: Antiquity Through the Reformation	3
HIST 1250	Western Civilization II: Age of Revolution Through the Present	3
HIST 2150	U.S. History: Colonization Through Reconstruction	3
HIST 2250	U.S. History: Reconstruction to the Present	3
POLS 1300	U.S. National Government	3
POLS 2500	Modern Political Ideologies	3
PSYC 1500	Introduction to Psychology	3
SOCY 1150	Principles of Sociology	3