













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
First Semester		
BUSM 1300	Introduction to Business	3
ENGL 1110 or ENGL 1111	English Composition I (A) ¹ 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
1st 8 weeks		
CNET 1100	Cisco Networking Technology I 	3
Credit Hours		15
Second Semester		
ITCS 1010	Programming Logic 	3
ITIS 1355	Security+ and Security Essentials 	3
ITON 1310	Cloud Computing 	3
ITON 1748	Linux Administration I 	3
ITON 2260	MS Windows Server 2019 	2
MATH 1650	College Algebra (A)	4
Credit Hours		18
Third Semester		
BUSM 2000	Principles of Management	3
BUSM 2400	Business Communication	3
ITON 1758	Linux Administration II 	3
ITON 2080	Supporting Client Operating Systems 	2
ITON 2750	Shell Script Programming 	2
Select course(s) from the Social and Behavioral Sciences list		3
Credit Hours		16
Fourth Semester		
ITIS 1025	Managing and Optimizing Personal Computers 	3
ITIS 2890	Information Technology and Computer Science Capstone 	2
ITON 2769	Linux Administration III: Automation 	3
Select course(s) from the Arts and Humanities Electives list		3
Select course(s) from the Natural Sciences Electives list		3
Credit Hours		14
Total Credit Hours		63

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1 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).

2 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
Natural Sciences		
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 Ohio Transfer 36		
Arts and Humanities		
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
Social and Behavioral Sciences		
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
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