

The Lakeland Advantage

Certification Exams

Many employers want their information technology specialists to be certified by Microsoft, Oracle or other companies and organizations. You can learn skills at Lakeland to aid in successfully completing the certification exams.

Red Hat Academy



redhat.
ACADEMY

By participating in Red Hat Academy, students learn critically important Linux skills in addition to those specific to Red Hat's Enterprise version, making the students that much more valuable to the business IT market for any IT career. Red Hat's Linux certifications, RHCE & RHCSA, are the most valuable and respected IT industry Linux certifications today.

Credit for Prior Learning

Lakeland's Information Systems faculty encourages efficiency in academic progress. You can, with the permission of our department faculty member(s), substitute some specific courses, or receive credit by examination. The credit by exam procedure requires you take an examination to show proficiency in all the material taught in a particular class.

CompTIA Authorized Academy



Lakeland Community College is now an academy in the CompTIA Authorized Partner Program. CompTIA values Lakeland Community College as an Academic Partner to provide high quality educational technology opportunities to students. Lakeland qualifies for a number of CompTIA incentives, tools, resources, and benefits to help students prepare for Network+ and Security+ certification.

Online Courses

Lakeland's information technology & computer science program offers many courses online, which provides students increased flexibility.



Opportunity starts **HERE**

Quality Education

- Over 130 degree and certificate programs
- Small classes taught by dedicated faculty with real world experience
- 96% of graduates find employment or continue their education

Credits Transfer

- Credits transfer easily to four-year colleges and universities
- The Holden University Center of Lakeland Community College gives you convenient access to complete a bachelor's or graduate degree from a variety of leading colleges and universities - right here in Lake County!

Affordable Tuition

- Save thousands on your college education
- Lakeland's tuition is about one-third the cost of most four-year schools
- Financial aid is available to those who qualify

Flexible Scheduling

- Convenient locations in Kirtland, Madison and Willowick
- Day, evening, weekend, online, and accelerated classes
- Adult Accelerated Degree Program - provides flexible learning options for adult students balancing home, work and earning a degree

Information Technology & Computer Science Department

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COMMUNITY COLLEGE

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LAKELAND
COMMUNITY COLLEGE

INFORMATION TECHNOLOGY and COMPUTER SCIENCE



Opportunity starts **HERE**

www.lakelandcc.edu

Information Technology & Computer Science

The Information Technology & Computer Science (IT & CS)

department provides programs of instruction in various programming languages, systems development and support, database development and administration, hardware and software usage and support, security, and networking.

The U.S. Department of Labor projects that network systems and data communications analysts, computer software engineers, database administrators, and computer systems analysts, will be among the fastest growing occupations through 2018. Lakeland's IT & CS programs can help you gain the skills you need for a solid foundation in information technology as well as an opportunity to specialize in high demand technology fields.

Students may pursue the Associate of Applied Business degree, with a concentration in one of eight areas, or a certificate in one of 15 areas. The degree program will take approximately two years of full-time study. The certificate programs are designed for people who wish to acquire new skills or update current ones without completing a degree program.

Computer Science/Programming:

- Computer Science / Software Engineering Concentration
- Internet Programming Concentration
- Application Programming and Development Concentration

Certificates:

- Internet Programming Certificate
- Application Programming and Development Certificate

Database:

- Database Administrator Concentration - Microsoft Emphasis
- Database Administrator Concentration - Oracle Emphasis

Certificates:

- Database Administrator Certificate

Information Systems:

- User Support Specialist Major
- Web Content Developer Concentration

Certificates:

- IT Security Certificate
- Technical Communications Professional Certificate
- User Support Specialist Certificate
- Web-based Collaboration Services Certificate
- Web Content Developer Certificate

Operating Systems/Networking:

- Networking Concentration

Certificates:

- Implementing Converged Technologies
- IT Service Support
- Mainframe System Fundamentals
- Microsoft Networking
- Red Hat Certified Systems Administrator Preparation
- Red Hat Certified Engineer Preparation

Accreditation

The Higher Learning Commission of the North Central Association of Colleges and Schools



Degree Programs

www.lakelandcc.edu

Computer Science/Programming



Computer Science / Software Engineering Concentration

This concentration is designed for students planning to transfer to a computer science or computer information systems program at a four-year college. In addition to being a transfer program, this program will help students, who are interested in game and entertainment programming, acquire the fundamental skills to get started. Students should consult a Lakeland counselor prior to beginning this program in order to ensure maximum transferability.

Internet Programming Concentration

This program provides students with skills necessary to establish and maintain an effective Web presence. Students will design and create the interface between data storage and the user, create dynamic Web pages, and add interactivity to their sites with an emphasis on Internet programming languages and techniques. This concentration is designed to prepare graduates for employment with organizations that use computers to distribute information via the Internet internally, externally and / or globally.

Application Programming and Development Concentration

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

Database



Database Administrator Concentration - Microsoft Emphasis

This program provides students with a specialization in the administration and implementation of Microsoft SQL Server databases. Courses within this program help students prepare for certification exams.

Database Administrator Concentration - Oracle Emphasis

This program provides students with a specialization in the administration and implementation of Oracle databases. Courses within this program help students prepare for certification exams.



Information Systems



User Support Specialist Major

This major provides students with expertise in business computer applications. It includes a study of hardware and software installation, the use of common operating systems, networking, programming, systems design, and project management. Graduates are prepared to tailor hardware and software based on user needs and to provide end-user support and training. Career opportunities include help desk support technician, technical computer training, computer consulting, business computer marketing, and information technologies employment.

Web Content Developer Concentration

This program provides students with skills necessary to understand and use Internet services and resources. Students will design and create content-rich sites that use photo-realistic and computer-generated graphics as well as basic interactive programming techniques. Design projects will emphasize small-business, home office and personal applications.

Operating Systems/Networking



Networking Concentration

The 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 IT Academy and Red Hat Academy (RHA), instruction included in this 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).



global

