

LAKELAND

COMMUNITY COLLEGE

BUSINESS

Accounting
Business Management
**Information Technology
& Computer Science**
Media Technology
Paralegal Studies



and

ENGINEERING TECHNOLOGIES

Civil Engineering Technology
**Computer Integrated
Manufacturing Technology**
Construction Management
**Electronic Engineering
Technology**
**Mechanical Engineering
Technology**
**Network Infrastructure
Engineering Technology**
**Nuclear Engineering
Technology**



Opportunity
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BUSINESS

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Business

The following **business programs** are offered: accounting, business management, information technology & computer science, media technology, and paralegal studies. The division is committed to excellence in helping students acquire the skills and knowledge needed for today's ever-changing business environment. The Associate of Applied Business degree is designed to provide students with the education and training needed to gain immediate employment or easily transfer credits to four-year colleges or universities. Certificate programs are designed for people who wish to prepare for a career, acquire new skills, or update current ones. Students gain hands-on training using the newest technologies and software applications. Lakeland's business programs are up-to-date with today's employment market, and graduates are in high demand.

Accreditation

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

Degree & Certificate Programs

Associate of Applied Business Degree

- Accounting
- Business Management
 - Business Information Management Concentration
 - General Management Concentration
 - Human Resources Management Concentration
 - Marketing Concentration
 - Parks and Recreation Management
- Information Technology & Computer Science
 - Application Programming and Development Concentration
 - Computer Science / Software Engineering Concentration
 - Database Administrator Concentration – Microsoft Emphasis
 - Database Administrator Concentration – Oracle Emphasis
 - Internet Programming Concentration
 - Operation Systems / Networking Concentration
 - User Support Specialist Major
 - Web Content Developer Concentration
- Paralegal Studies
- Human Resources Management
- Marketing
- Office Communications
- Ohio Real Estate Broker
- Information Technology & Computer Science
 - Application Programming and Development
 - Database Administrator
 - IT Security
 - IT Service Support
 - Implementing Converged Technologies
 - Internet Programming
 - Mainframe System Fundamentals
 - Microsoft Networking
 - Red Hat Certified Engineer (RHCE) Preparation
 - Red Hat Certified System Administrator (RHCSA) Preparation
 - Technical Communications Professional
 - User Support Specialist
 - Web-based Services Collaboration
 - Web Content Developer
- Media Technology
 - Animation and Cartoon Arts
 - Audio Engineering and Production
 - Interactive Entertainment Technology
 - Interactive Media
 - Radio Production and Broadcast
 - Video Production and Broadcast
- Paralegal Studies

Certificates

- Accounting
 - General Accounting
 - Financial Accounting
 - Family Financial Planning
 - Small Business Accounting
- Business Management
 - Business Information Management
 - Business Management
 - E-Business
 - Entrepreneurship

Pre-licensure Courses

- Real Estate

Degree Programs

Accounting



Accounting is vital to successful business operations. Accountants are needed in all organizations to analyze financial activity and provide guidance to enhance operational efficiency. Accounting is one of the top three career paths in today's job market. Graduates can look forward to a rewarding and exciting career in large and small businesses, public accounting, nonprofit organizations, and government agencies.

Lakeland's accounting program offers a comprehensive education in accounting and business. Individuals have the choice of obtaining an associate degree or a certificate to prepare for an accounting career. The program also offers a financial accounting certificate for college graduates with a bachelor's degree who wish to acquire an education in accounting to advance or start an accounting career or sit for the CPA exam.

Business Management



Management is a universal concept which is fundamental to organizations, large and small, whether they be for profit, nonprofit, or governmental. Northeast Ohio has a continuing demand for trained supervisors, middle managers, administrative assistants, and entrepreneurs who understand how to plan, organize, direct, communicate, and control business operations. A degree or certificate in management will prepare students for a leadership role within any organization.

In addition to gaining the knowledge necessary for success in business, students will develop the skills demanded by employers. Skills learned include oral and written communication skills, effective problem-solving and decision-making skills, leadership skills, and the ability to accomplish goals in a team environment.

Lakeland's Associate of Applied Business degree in business management may be earned entirely online. Through the Adult Accelerated Degree Program, students can earn an Associate of Applied Business degree in general management by taking classes in the evenings and on Saturdays.

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. For a list of the areas of concentration or the certificates, please refer to the IT & CS curriculum guide.

The U.S. Department of Labor projects that network systems and data communications analysts, computer software engineers, database administrators, computer systems analysts, and forensic science technicians will be among the fastest growing occupations through 2016. Lakeland's IT & CS programs can help students gain the skills needed for a solid foundation in information technology as well as the opportunity to specialize in high-demand technology fields.

Degree Programs

Paralegal Studies



Paralegals are one of the fastest growing occupations since they now perform many of the legal tasks once carried out by lawyers. Employment growth stems from law firms and other employers hiring paralegals to decrease the cost and increase the efficiency and availability of legal services. Employment opportunities exist in law offices, government agencies, and the legal departments of corporations, hospitals, and financial institutions.

Some graduates opt to go on to a four-year school and then on to law school. Healthcare professionals can use the paralegal program to transition to a specialized area such as legal nurse consultant.

The paralegal studies program is designed to provide students with the core of legal knowledge and skills needed to assist and support lawyers in the practice of law.* All paralegal courses have a practical component, allowing students to put into practice the legal knowledge they gained in the classroom. The paralegal program concludes with a cooperative work experience in a legal setting to offer students first-hand experience in the field. Lakeland's paralegal program is approved by the American Bar Association and fulfills the educational requirement to become an Ohio State Bar Association Certified Paralegal.

*Ohio prohibits the practice of law by non-lawyers.

Certificate

Media Technology Certificate



Lakeland's media technology certificates are designed to develop the interests and talents of students in graphic design, digital imaging, digital audio technologies, and the integration of various media. The growing media industry offers employment opportunities as recording and production engineers, animators and video producers. There are also opportunities for programmers within corporate video departments, educational institutions, and the information and entertainment industries.

Lakeland's media technology program gives students the necessary skills and training to focus on everything from electronic imaging to television production. The college's progressive media labs use industry-standard equipment and software applications.



The Lakeland Advantage

The Knowledge That Counts

Lakeland's business programs have an excellent reputation throughout the community. The college provides the essential training, state-of-the-art technology, and computer programs that give graduates an upper hand in the job market.

Up-to-Date Programs

Advisory committees of employers and professionals in business and industry ensure that Lakeland's business programs are up-to-date with the ever-changing employment market.

University Partnership

The college has entered into partnerships with area universities that enable students to continue their education leading to bachelor's and graduate degrees through The Holden University Center of Lakeland Community College.

Transfer Agreements

The Business Division has many transfer agreements with area colleges and universities for students seeking the B.B.A. Students should call or visit the Transfer Center in the Counseling Office.

Student Clubs and Organizations Support Learning

Business students can join many clubs and organizations on campus that tap into their interests and provide opportunities to expand their knowledge, such as the E-Business Association, the Students in Free Enterprise (SIFE) organization, the Lakeland Paralegal Association, and in Information Technology, the NEOSA student chapter.

Business Division

Room T-153
Lakeland Community College
7700 Clocktower Drive
Kirtland, OH 44094
440.525.7085
lakelandcc.edu/academic/business



Scan the QR code with your smartphone to launch Lakeland's fall registration website. Don't have a QR Reader? Search "QR Reader" in your mobile device's application store to get your QR Reader today!





ENGINEERING TECHNOLOGIES

www.lakelandcc.edu

Engineering Technologies

The following **engineering technology** programs are offered: civil engineering, computer integrated manufacturing technology, construction management, electronic engineering technology, mechanical engineering technology, network infrastructure engineering technology, and nuclear engineering technology. Courses prepare students for immediate employability or transfer to a four-year college or university. Lakeland graduates are in demand by employers who recognize the relationship between an educated, highly trained work force and corporate productivity and profit.

Faculty members have years of experience working for local industries and many take an active role in assisting the placement of their students. Lakeland's engineering technology programs are reviewed annually by special advisory committees to ensure that programs are current and of the highest quality. As the needs of local industry change, new courses and equipment are added to technology programs.

Accreditation

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

Degree & Certificate Programs

Associate of Applied Science Degree

- Civil Engineering Technology
- Computer Integrated Manufacturing Technology
 - Automation Concentration
 - General Manufacturing Major
- Construction Management
- Electronic Engineering Technology
- Mechanical Engineering Technology
 - Computer Assisted Product Design Concentration
 - Machine Design
- Network Infrastructure Engineering Technology
 - Cisco Network Infrastructure Concentration
 - Microsoft Network Infrastructure Concentration
 - Network Infrastructure Security Concentration
- Nuclear Engineering Technology

Certificates

- Civil Engineering
 - Architectural Technology
 - Construction Management
 - Facility Management
- Computer Integrated Manufacturing
 - Automation Technician Apprentice
 - CNC Operator Mini Certificate
 - CNC Set-Up and Programming Technology
 - Computer Integrated Manufacturing Technology
 - Industrial Computer Hardware Technician
 - Production Shift Leader Manufacturing Management
 - Tool and Die Technology
 - Tool Room/Maintenance Machinist Apprentice
- Electronic Engineering Technology
 - A+ Computer Maintenance and Repair
 - Electrical Technology
 - Electronics Technology
 - Industrial Computers
 - Robots and Autonomous Machines
- Mechanical Engineering
 - AutoCAD Operator
 - CAD Design
- Network Infrastructure Engineering Technology
 - Microsoft Networking Certificate
 - Network Infrastructure Security Specialist

Degree Programs

Computer Integrated Manufacturing Technology



The computer integrated manufacturing technology degree program prepares students for employment in a variety of manufacturing industries. Manufacturing is the largest source of jobs for Lake County. Lakeland works with the AWT (Alliance for Working Together) to create degrees and certificates that fulfill the manufacturing related employment needs of Northeast Ohio. The manufacturing degrees prepare students for employment as engineering technicians working in the development and design of manufacturing processes, CNC programming, computer aided design (CAD), computer aided manufacturing (CAM), production operations, maintenance, installation, repair, and production automation.

Construction Management



The construction management program prepares students for careers in the construction field with an emphasis on residential and light commercial building construction. The curriculum provides students with a thorough background in site development, building methods and materials, contract documents, plans and specifications, estimating, bidding, scheduling, building codes, legal principles, project administration, inspection, quality assurance, finances, sound business practices, and people skills. Graduates can enter the workforce in management positions with homebuilders, commercial builders, equipment installers, facility managers, general contractors, specialty contractors, building departments, and construction material manufacturers and retailers.

Network Infrastructure Engineering Technology



The network infrastructure engineering technology program is interdisciplinary in nature and offers three concentrations. The network infrastructure security concentration blends networking technology and information systems coursework, emphasizing secure configuration of both operation systems and network infrastructure. The course topics for this concentration include Microsoft Windows together with Linux / Unix management and security, as well as network security via Cisco Academy training. The Cisco network infrastructure concentration combines an in-depth program of networking technology with electric circuits, computer hardware and applied programming. Major emphasis is placed on professional level Cisco certification. The Microsoft network infrastructure concentration features a combination of operating system instruction and electric circuits, microprocessors, digital systems, and applied programming. Major emphasis is placed on professional level Microsoft certification.

Degree Programs

❖ TAC/ABET Accredited Programs

Both the day and evening programs are accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology (TAC/ABET), 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, phone 410.347.7700, www.abet.org.

❖ Civil Engineering Technology



The civil engineering technology program is designed to prepare students for immediate employment with architectural firms; engineering consulting firms; construction management firms; surveyors; contracting firms; residential builders; and with federal, state, county, and city governments. The diverse curriculum allows students to gain specialized training for careers in architecture, construction, facility management, and surveying. Graduates may also transfer directly to a bachelor's degree program in civil engineering technology, construction technology, surveying, or architecture.

❖ Electronic Engineering Technology



Lakeland's electronic engineering technology degree program prepares students for a wide range of engineering and engineering-related technician employment opportunities. These may include installation and maintenance of electronic equipment; programming and maintenance of computers and computer controlled equipment; assisting engineers in the design, development and testing of new electronic equipment; establishing and performing engineering evaluation tests; and writing reports relating to these activities. Currently, technicians in this field comprise about 43 percent of all engineering technician jobs nationwide. The electronic engineering technology program provides the opportunity for immediate employment or transfer to a bachelor's degree program in electronic engineering technology, such as the CSU Bachelor Degree Completion Program provided on Lakeland's campus.

❖ Mechanical Engineering Technology



The mechanical engineering technology degree programs are designed to prepare students for immediate employment as a technician. Graduates will be able to apply their skills in the development of production tools, fixtures, automation, and the design and testing of mechanical products. Local employment demands in this field have increased and additional employment growth is expected.

The mechanical engineering technology program provides the opportunity for immediate employment or transfer to a bachelor's degree program in mechanical engineering technology.

The computer assisted product design concentration program prepares the graduate to work as a technician with skills in CAD and product design. Additional courses are necessary to pursue a bachelor's degree in mechanical engineering technology. This degree is not accredited by TAC/ABET.

Degree Programs



Nuclear Engineering Technology



The nuclear engineering technology curriculum prepares students for employment in selected areas within a commercial nuclear power plant. The technical course curriculum is designed in compliance with the Nuclear Energy Institute (NEI) "Nuclear Uniform Curriculum" learning objectives. The nuclear curriculum is accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology (TAC/ABET). A summer paid field experience is possible in cooperation with FirstEnergy at its nuclear power facilities. To be qualified for employment in the nuclear power industry, one must have a psychological evaluation; and pass a background check, initial drug test, and other pre-employment aptitude tests. These evaluations, checks and testing are coordinated through FirstEnergy Nuclear Operating Company (FENOC). Based on the student's grades, skills and attitude, employment opportunities may exist with FirstEnergy or other nuclear utilities upon graduation. Based upon grades, the student may be eligible for a "Nuclear Uniform Curriculum" certificate upon graduation. This certificate is recognized by all 104 commercial nuclear plants in the United States. There are specific admission requirements for this curriculum and interested students should contact the director of admissions or the Counseling Office.

Associate of Science Degree

The associate of science degree is normally pursued by students intending to transfer to a senior institution for the completion of a bachelor of science degree. Typical areas of study may include mathematics or engineering. Students who complete this degree will also satisfy all requirements for the State of Ohio Transfer Module.

Engineering Technologies

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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 - earn an associate degree in two years by taking classes in the evening and on Saturdays

Lakeland Community College is accredited through the Higher Learning Commission (HLC) and participates in the Academic Quality Improvement Program (AQIP). The Higher Learning Commission | 230 South LaSalle Street, Suite 7-500 | Chicago, IL 60604-1413 | 800.621.7440 | www.ncahlc.org



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COMMUNITY COLLEGE

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