



HIGH SCHOOL PROGRAM GUIDE





Building Trades Academy

CARPENTRY

Learn a variety of basic carpentry skills while working on residential or light commercial construction projects.

HEATING and AIR CONDITIONING

Install, service, and repair residential and commercial heating and air conditioning systems.

INDUSTRIAL ELECTRICITY

Install, maintain, and troubleshoot a variety of electrical systems with an emphasis on green technology.

MASONRY TRADES

Create and install durable brick, stone, and concrete surfaces and structures using a variety of sustainable materials and processes.

Business and Marketing Academy

CYBERSECURITY and NETWORKING

Learn about cyber threats and how to secure networks and devices from harmful intrusions. Build, upgrade, and repair computers and maintain laptops and mobile devices.

DIGITAL MEDIA ARTS

Study film and video while working in a studio environment, and gain hands-on experience with DSLR cameras as well as digital audio and lighting equipment.

Business and Marketing Academy (continued)

MARKETING and ENTREPRENEURSHIP

Obtain knowledge and skills in business activities to develop and implement marketing strategies and techniques. Apply tools, strategies, and processes to communicate digitally with targeted customers and learn the initial steps to establish a business.

WEB and GRAPHIC DESIGN

Learn technical expertise, creativity, and esthetic principles to design and create visual concepts that meet specific commercial/promotional needs, and inspire, inform, and captivate consumers. Develop an understanding of digital/print graphics, typography, social media, photography, animation, and video.

Community Service Academy

ALLIED HEALTH SCIENCES

Train in patient care techniques and learn anatomy, physiology, medical terminology, and lab procedures. Observe clinical professionals in a variety of health care facilities to explore potential careers.

COSMETOLOGY

Receive hands-on training in hair, skin, and nail care. Develop skills in the classroom and perform services for clients in the on-site Reflections Salon. Prepare to take the Ohio State Board of Cosmetology exam.

EARLY CHILDHOOD EDUCATION

Teach 3 to 5-year-old children in the LCJVS Ohio Department of Education licensed preschool and learn how to plan and conduct developmentally appropriate lesson plans.

Community Service Academy (continued)

LANDSCAPE and GREENHOUSE MANAGEMENT

Learn landscape, floral design, greenhouse management, and plant propagation. Use landscape equipment such as zero turn mowers and skid loaders. Manage new technologies in plant growth with aeroponic and aquaponic systems.

PUBLIC SAFETY

Learn first aid and CPR, patient care, ambulance transport, injury assessment, fire science and protection, and pre-hospital care. Prepare to take the Ohio Firefighters II certification test and the National Registry Exam for EMT/B certification.

SPORTS, HEALTH and FITNESS TECHNOLOGY

Pursue a career in the fitness, sports medicine, and therapy industries. Learn anatomy, exercise physiology, strength conditioning, nutrition, medical terminology, sports medicine, and therapy techniques.

Connections Academy

CAREER READINESS | 9TH GRADE

Placed in a structured lab setting, develop skills and knowledge necessary for acceptance into our career tech programs as a junior. Through the use of different types of equipment, projects, and career modules, learn appropriate safety procedures and obtain a variety of skills that will help you focus on a successful career choice.

CAREER EXPLORATION | 10TH GRADE

Experience different career-technical labs during your sophomore year to help develop skills and gain knowledge necessary for acceptance into our career tech programs as a junior. After completion of this program, you may focus on a career choice and apply to a two-year LCJVS career-technical program.

CAREER-TECHNICAL STUDENT ORGANIZATIONS (CTSO)

CTSO's are designed to help students develop leadership skills, team-building skills, social skills and good citizenship. Students have opportunities to travel for competitions and conferences to showcase skills and earn scholarships.

CAREER SERVICES

LCJVS is committed to helping students achieve employment in their career fields. Our Career Services Specialist will assist students in work-based learnings, summer internships, early job placement, interviewing techniques, resume writing and revisions, and job searches. This service is available to LCJVS students and to all LCJVS alumni.

COLLEGE CREDITS

LCJVS prepares all our students for a college pathway and saves you money by offering free college credits, in partnership with local colleges and universities.

Culinary Academy

BAKERY and PASTRY ARTS

Learn baking and food preparation techniques, then develop more advanced skills in cake decorating, chocolate sculpture, and plated desserts. Study the science of baking and work in the LCJVS on-site bakery.

CULINARY ARTS

Develop advanced cooking techniques while using state-of-the-art equipment to prepare delicious food. Operate the full-service Buckeye Room Restaurant, the LCJVS on-site restaurant.

Manufacturing and Pre-Engineering Academy

ENGINEERING DESIGN and TECHNOLOGY

Collaborate with local businesses to prepare technical and architectural drawings needed to manufacture a variety of parts and structures. Build hands-on models and prototypes of designs. Train in coding and flight of small unmanned aircraft system drones.

PRECISION MACHINE TECHNOLOGY

Machine precision metal parts using lathes, mills and CNC equipment. Learn to read blueprints and perform machine maintenance.

PROJECT LEAD THE WAY

PLTW-ENGINEERING

Designed to help you succeed in engineering, science, and technology careers. This program takes place on the campus of LCCC.

Manufacturing and Pre-Engineering Academy (continued)

WELDING and FABRICATION

Learn manual, TIG, MIG, and stick welding along with automated welding techniques while working on real world projects.

Transportation Academy

AUTO TECHNOLOGY

Diagnose and repair today's modern cars. Learn about brakes, electrical systems, steering and suspension, and engine performance.

COLLISION REPAIR

Work on vehicles that require frame and body straightening, welding, refinishing, and painting.

COMMERCIAL TRUCK TECHNOLOGY

Maintain and repair diesel powered trucks with a focus on electronic engine control. Learn about air brakes, drive trains, electrical systems, steering, and suspension.

INDUSTRIAL EQUIPMENT MECHANICS

Maintain and repair small engines, power sports vehicles, agricultural, and construction equipment. Focus on gasoline and diesel engines, electrical systems, hydraulics, and drive trains.

Special Recommendation Programs

These programs need a recommendation from your associate school counselor.

TEACHER EDUCATION EXPLORATION 12TH GRADE

Earn up to four college credits for classroom work and internship experience in a local elementary, middle, or high school.

CAREER BASED INTERVENTION 12TH GRADE

Designed for senior students who are academically on track for graduation and are looking for real world work experience during the lab portion of their school day.

HOSPITALITY SERVICES A/B

Learn basic skills used in the hotel and restaurant industry. Learn basic food preparation and housekeeping competencies. Operate commercial washing machines and dryers, and learn to safely operate restaurant and institutional equipment. Focus on developing employability skills necessary to advance in the industry.

JOB TRAINING PROGRAM

Learn basic work skills such as following written or sample directions, staying on task, working with good speed and quality in order to meet deadlines.

MAINTENANCE SERVICES A/B

Explore basic carpentry, electrical, flooring, HVAC, painting, plumbing, and roofing. Learn proper installation for drywall, windows and doors. Learn the proper use of hand tools and power equipment related to the residential construction industry.

INDUSTRY CREDENTIALS

Students who successfully complete their LCJVS career tech program leave with an industry recognized credential and/or license. These validate the student's ability to perform certain basic tasks essential to the particular industry.

ASSOCIATE SCHOOL DISTRICTS

Amherst, Avon, Avon Lake, Clearview, Columbia, Elyria, Firelands, Keystone, Midview, North Ridgeville, Oberlin, Sheffield/Sheffield Lake, Wellington



Apply today!
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