Essential Skills

Building Path – Transportation, Distribution & Logistics

This path involves working with various types of engines including automotive/truck/heavy equipment/airplane to diagnose, adjust, repair, or overhaul. Also includes repair and refinish/painting of vehicle bodies including framework.

Building Path – Transportation, Distribution & Logistics Programs at Great Oaks

Program	Location
Automotive Refinishing & Collision Repair	Diamond, Laurel, Live, Scarlet
Automotive Service Technician	Diamond, Laurel, Live, Scarlet
Aviation Exploration	Live
Aviation Maintenance Technician	Diamond, Laurel
Industrial Diesel Mechanics	Laurel, Scarlet

Next Ready Skills

Each career path has a specific set of skills/abilities that employees need for success in the industry. It is recommended that students have, are developing or can develop the skills/abilities listed below.

Effective Communicator	• Express/explain thoughts/ideas • Observe/document/maintain/update accurate records • Listen/relay accurate information in written/verbal manner • Use active listening to give full attention/understanding to others • Able to read/understand technical manuals/documents/regulations • Practice professional social communication (social media/workplace conversations)
Critical Thinking	• Follow sequenced activities accurately • Apply general rules to specific problems • Identify strengths/weaknesses of alternative solutions/conclusions/approaches to problems • Study specifications to prepare project layout/work activities
Adaptable Navigator	• Work independently with minimal supervision/high attention to detail • Confer with coworkers to coordinate work activities • Respond/adapt to changes in scope of work/project needs • Able to shift back and forth between two or more activities or sources of information • Awareness of surrounding to keep safe
Accountable Employee	• Confer with customers or users to assess problems • Be on time, honest and keep commitments • Follow ethical work practices including honesty/trustworthiness • Participate in class/lab activities/discussions/teamwork • Connect/network with industry professionals • Complete work in a timely manner
Skilled Professional	• Select/use the correct tools and equipment needed to do a job • Manage one's own time and the time of others • Able to concentrate on a task over a period of time without being distracted • Respond to critique positively/revise work based on feedback • Develop a career path plan • Build career-focused technical/professional skills

Technology and Software

All career & technical education programs utilize various software and industry-specific equipment to prepare students for their careers. Students will independently access and use various online resources, technology, and equipment.

Here is an overview of key online and computer technology used in this pathway:

Vendor	Software/Learning Management System
ALLDATA	ALLDATA – collision parts database
CCC	CCC ONE: Estimating
S/P2	Modern Automotive Technology Online
ICAR	Collision Repair
Aviation Supplies & Academics Inc.	Prepware/Ground School
CareerSafe	Online OSHA 10 credentialing preparation/testing platform

Rev. 2 – Fall 2024

Great Oaks CAREER CAMPUSES Diamond • Laurel • Live • Scarlet

Industry Credentials/Certifications

Credentials/certifications demonstrate knowledge and skills. They are typically earned by successfully completing an exam or skill-related training program. Exams are developed by industry professionals, not high school educators, and are used to verify that students have the skills needed for work.

Students can earn industry credentials/certifications while at Great Oaks. Available accommodations are subject to vendor and/or State of Ohio approval. Some credential/certification exams do not allow any accommodations. Contact campus Intervention Specialist for the most up-to-date permitted accommodations.

Permitted accommodations may include:

Extended time	Read-aloud/translation services

Post-secondary

Great Oaks offers college credit courses in both academic and career technical programs.

College Credit Plus (CCP)	• The CCP program provides Ohio high school students an opportunity to complete college courses and earn transcripted credit.
Career Technical Assurance Guides (CTAGs)	• CTAGs award college credit for career-technical coursework to students who complete an approved course and earn a qualifying score on the end of course exam.
Articulated Credit	• Some Great Oaks career-technical programs have agreements with colleges where students can earn credit toward a specific degree.

Additional Pathway Considerations

Some career pathways have additional standards students must meet to fully participate in Great Oaks programs. Programs in this pathway have some of the following requirements to participate in learning experiences and earn industry credentials/certifications.

Academic strengths	• Math/numerical calculations (count/measure/compute/fractions/decimals) • Geometry/spatial awareness • Oral/written communication
Sharpness of vision Hearing acuity Physical mobility/strength Eye-hand coordination/dexterity	• Distinguish details/differences visually, perceive distance/depth of objects in space • Differentiate various sounds • Distinguish between colors (technical manuals/wiring diagrams) • Stoop/bend/walk/carry items safely, lift/carry heavy objects (up to 80 pounds) • Use arm/eye-hand coordination/manual dexterity to grasp/manipulate/assemble items • Ability to use power/hand tools • Work in cramped space/awkward positions
Safety	• Some work sites require OSHA 10 certification • Some sites require passing a drug screen • Awareness of workplace hazards (electrical/equipment/tools/power) • Wear personal protective equipment (safety glasses, hardhats, gloves, safety harnesses, steel-toed boots) • Read/follow instruction/technical manuals • Understand hazards associated with equipment/tools/worksites • Follow equipment/policies/procedures/codes to protect people/data/property • Remain aware of surroundings
Career expectations	• Work in various weather conditions (indoors/outdoors/summer/winter) • Work at various heights, using ladders, stooping/bending • Record information (time/materials used/accidents/changes to work) • Comply with standards/policies/procedures (safety/maintenance) • Recommend/develop/perform general/preventative maintenance for tools/equipment • Diagnose malfunctioning equipment, analyze error messages to diagnose/correct issues • Understand/use materials specified in technical/service manuals • Observe/test the operation to diagnose malfunctions using testing devices • Follow/document exact check/maintenance/repair standards (FAA) • Work collaboratively with experts across the transportation pathway
Federal Aviation Administration (FAA)	• Maintain repair logs/document aircraft maintenance to meet FAA standards • No modifications allowed on FAA-Airframe Certification Tests • Student must be 18 years of age/able to read/write/speak/understand English • Test includes written/oral/skill-based practical tests

Rev. 2 – Fall 2024

Great Oaks CAREER CAMPUSES
Diamond · Laurel · Live · Scarlet