

## Essential Skills

# Building Path – Architecture & Construction

This path involves physical labor at construction sites and includes operating hand/power tools of all types, surveying/measuring equipment, and a variety of other equipment and instruments. Additionally, cleaning and preparing sites, erecting scaffolding, and cleaning up debris and other waste materials is common in this path.

## Building Path – Architecture & Construction Programs at Great Oaks

Program	Location
Commercial Residential Electricity	Diamond, Scarlet
Construction Technologies	Diamond, Laurel, Scarlet
Heating, Ventilating & Air Conditioning	Diamond, Laurel, Live, Scarlet
Heavy Equipment Operations & Engineering	Laurel, Live, Scarlet

## Frequently Used Pathway Skills/Abilities

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.

Sharpness of vision/hearing acuity	<ul style="list-style-type: none"><li>Distinguish details/differences visually</li><li>Differentiate various sounds</li><li>Perceive distance/depth of objects in space</li><li>Distinguish between colors (blueprints/wiring diagrams)</li></ul>
Communication	<ul style="list-style-type: none"><li>Express/explain thoughts/ideas</li><li>Observe/document/maintain/update accurate records</li><li>Listen/relay accurate information in written/verbal manner</li><li>Use active listening to give full attention/understanding to others</li><li>Able to read/understand blueprints/construction documents</li><li>Social communication (appropriate social media/workplace conversations)</li></ul>
Physical mobility/strength Eye-hand coordination/dexterity	<ul style="list-style-type: none"><li>Stoop/bend/walk/carry items safely</li><li>Use arm/eye-hand coordination/manual dexterity to grasp/manipulate/assemble items</li><li>Ability to use power/hand tools</li><li>Lift and carry heavy objects (up to 80 pounds)</li></ul>
Problem-solving/reasoning	<ul style="list-style-type: none"><li>Follow sequenced activities accurately</li><li>Work independently with minimal supervision</li><li>Apply general rules to specific problems</li><li>Develop/follow procedures and processes</li><li>Make informed decisions quickly</li><li>Study specifications to prepare project layout/work activities</li><li>Awareness of surroundings to keep safe</li></ul>

## Technology and Software

All career & technical education programs utilize various software and industry-specific equipment to prepare students for 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
NCCER	Core Curriculum: Craft Skills Trainee Guide Levels 1 & 2
CareerSafe	Online OSHA 10 credentialing preparation/testing platform
ESCO	EPA 608 Online Testing/testing resource
Microsoft Office	Word, PowerPoint, Excel and Outlook
Internet Browsing	Conduct career-related independent and group research

## Industry Credentials/Certifications

Credentials/certifications demonstrate knowledge and skills. They are typically earned by successfully completing an exam or completing a 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. Accommodations are available but are subject to vendor or State of Ohio approval. Typical accommodations for industry-related credentials/certifications include:

Extended time

Read-aloud/translation services

## Post-secondary

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

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|---|---|
| College Credit Plus (CCP)                 | • The CCP program provides Ohio high school students an opportunity to complete college courses and earn transcribed credit.  |
| Career Technical Assurance Guides (CTAGs) | • CTAGs award college credit for career-technical coursework to students who complete an approved course and earn a <u>qualifying score on the end of course exam</u> . |
| 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  | <ul style="list-style-type: none"><li>• Math/numerical calculations (count/measure/compute/fractions/decimals)</li><li>• Geometry/spatial awareness</li><li>• Oral/written communication</li></ul>  |
| Safety              | <ul style="list-style-type: none"><li>• Some work sites require OSHA 10 certification</li><li>• Some sites require passing a drug screen</li><li>• Awareness of workplace hazards (electrical/equipment/tools/power)</li><li>• Wear personal protective equipment (safety glasses, hardhats, gloves, safety harnesses, steel-toed boots/hearing protection)</li><li>• Reading/follow instruction/technical manuals</li><li>• Understand hazards associated with equipment/tools/worksites</li><li>• Follow policies/procedures/codes to protect people/data/property</li><li>• Remain aware of surroundings such as live electrical points/overhead dangers/gas lines/underground utilities/falling objects</li></ul> |
| Career expectations | <ul style="list-style-type: none"><li>• Work in various weather conditions (indoors/outdoors/summer/winter)</li><li>• Work at various heights, using ladders, stooping/bending</li><li>• Record information (time/materials used/accidents/changes to work)</li><li>• Comply with standards/policies/procedures (safety/maintenance)</li><li>• Recommend/develop/perform general/preventative maintenance for tools/equipment</li><li>• Diagnose malfunctioning equipment and correct issues</li><li>• Study/read blueprints/sketches/plans for project layout</li><li>• Understand/use materials specified in blueprints/plans</li><li>• Work collaboratively with experts across the building pathway</li></ul>     |

## Essential Skills

# Building Path – Manufacturing

This path involves physical labor at shops or construction sites and includes hand-welding, flame-cutting, or soldering equipment to weld/join metal components. Other jobs include setting up/programming/operating CNC machines to create new parts from blueprints/plans/prototypes.

## Building Path – Manufacturing Programs at Great Oaks

Program	Location
Manufacturing Engineering Technologies	Diamond, Live
Welding & Fabrication	Diamond, Laurel, Live, Scarlet

## Frequently Used Pathway Skills/Abilities

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.

Sharpness of vision/hearing acuity	<ul style="list-style-type: none"><li>• Distinguish details/differences visually</li><li>• Differentiate various sounds/pitch</li><li>• Perceive distance/depth of objects in space</li></ul>
Communication	<ul style="list-style-type: none"><li>• Express/explain thoughts/ideas</li><li>• Observe/document/maintain/update accurate records</li><li>• Listen/relay accurate information in written/verbal manner</li><li>• Use active listening to give full attention/understanding to others</li><li>• Read/understand blueprints/drawings</li><li>• Social communication (appropriate social media/workplace conversations)</li></ul>
Physical mobility/strength Eye-hand coordination/dexterity	<ul style="list-style-type: none"><li>• Extended standing/sitting, stooping/bending</li><li>• Use arm-hand steadiness, eye-hand coordination and manual dexterity to grasp, manipulate, or assemble objects</li><li>• Ability to use power/hand tools</li><li>• Lift and carry heavy objects (up to 80 pounds)</li></ul>
Problem-solving/reasoning	<ul style="list-style-type: none"><li>• Follow sequenced activities accurately</li><li>• Work independently with minimal supervision</li><li>• Apply general rules to specific problems</li><li>• Develop/follow procedures and processes</li><li>• Make informed decisions quickly</li><li>• Study specifications to prepare project layout/work activities</li><li>• Awareness of surroundings to keep safe</li></ul>

## Technology and Software

All career & technical education programs utilize various software and industry-specific equipment to prepare students for 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
Cengage	MindTap Precision Machining Technology
CareerSafe	Online OSHA 10 credentialing preparation/testing platform
FASTech Inc.	Mastercam - CAD/CAM/5 Multiaxis
Tooling University	Tooling U Advanced
Microsoft Office	Word, PowerPoint, Excel and Outlook
Internet Browsing	Conduct career-related independent and group research

## Industry Credentials/Certifications

Credentials/certifications demonstrate knowledge and skills. They are typically earned by successfully completing an exam or completing a 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. Accommodations are available but are subject to vendor or State of Ohio approval. Typical accommodations for industry-related credentials/certifications include:

Extended time

## 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 transcribed 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  | <ul style="list-style-type: none"><li>• Math (precise measurement /fractions/decimals/percentages/various operations)</li><li>• Problem solving</li><li>• Geometry (3-dimensional visualization/spatial understanding/scale)</li><li>• Science (metals/impacts of heat on metals)</li><li>• Oral/written communication</li></ul>  |
| Safety              | <ul style="list-style-type: none"><li>• Some worksites require OSHA 10 certification</li><li>• Some sites require passing a drug screen</li><li>• Comprehend hazards of working with tools/equipment/materials/environmental conditions</li><li>• Wear personal protective equipment (safety glasses/hardhats/gloves/safety harnesses/steel-toed boots/welding helmet/hearing protection)</li><li>• Read/follow instruction/technical manuals</li><li>• Understand hazards associated with equipment/tools/worksites</li><li>• Follow policies/procedures/codes to protect people/data/property</li></ul>   |
| Career expectations | <ul style="list-style-type: none"><li>• Work in various weather conditions (indoors/outdoors/summer/winter)</li><li>• Work at various heights, using ladders, stooping/bending</li><li>• Record information (time/materials used/accidents/changes to work)</li><li>• Comply with standards/policies/procedures (safety/maintenance)</li><li>• Recommend/develop/perform general/preventative maintenance for tools/equipment</li><li>• Follow specifications in blueprints/sketches/plans for project layout</li><li>• Participate in planning/fabrication/assembly/inspection of projects</li><li>• Measure/examine/test completed work to check for defects</li><li>• Ensure conformance to specifications using precision instruments</li></ul> |

## Essential Skills

# Building Path – Science, Technology, Engineering & Math

This path involves performing engineering duties like planning and designing tools, engines, machines, and other mechanically functioning equipment. Other jobs include overseeing installation, operation, maintenance, and repair of equipment.

## Building Path – Science, Technology, Engineering & Math Program at Great Oaks

Program	Location
Engineering Technologies & Robotics	Scarlet

## Frequently Used Pathway Skills/Abilities

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.

Sharpness of vision/hearing acuity	<ul style="list-style-type: none"><li>Distinguish details/differences visually</li><li>Differentiate various sounds</li><li>Perceive distance/depth of objects in space</li><li>Distinguish between colors (blueprints/wiring diagrams)</li></ul>
Communication	<ul style="list-style-type: none"><li>Express/explain thoughts/ideas</li><li>Observe/document/maintain/update accurate records</li><li>Listen/relay accurate information in written/verbal manner</li><li>Use active listening to give full attention/understanding to others</li><li>Able to read/understand blueprints/construction documents</li><li>Social communication (appropriate social media/workplace conversations)</li></ul>
Physical mobility/strength Eye-hand coordination/dexterity	<ul style="list-style-type: none"><li>Ability to sit for extended times using a computer</li><li>Use arm/eye-hand coordination/manual dexterity to grasp/manipulate/assemble items</li><li>Ability to use power/hand tools</li><li>Work with precision tools/equipment</li></ul>
Problem-solving/reasoning	<ul style="list-style-type: none"><li>Follow sequenced activities accurately</li><li>Work independently with minimal supervision</li><li>Apply general rules to specific problems</li><li>Develop/follow procedures and processes</li><li>Make informed decisions quickly</li><li>Study specifications to prepare project layout/work activities</li></ul>

## Technology and Software

All career & technical education programs utilize various software and industry-specific equipment to prepare students for 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
SolidWorks	3D CAD Design Software
Tooling University	Tooling U Advanced
CareerSafe	Online OSHA 10 credentialing preparation/testing platform
Rockwell Automation	Manufacturing/automation software
Microsoft Office	Word, PowerPoint, Excel and Outlook
Internet Browsing	Conduct career-related independent and group research

## Industry Credentials/Certifications

Credentials/certifications demonstrate knowledge and skills. They are typically earned by successfully completing an exam or completing a 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. Accommodations are available but are subject to vendor or State of Ohio approval. Typical accommodations for industry-related credentials/certifications include:

Extended time

Read-aloud/translation services

## Post-secondary

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

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|---|---|
| College Credit Plus (CCP)                 | • The CCP program provides Ohio high school students an opportunity to complete college courses and earn transcribed credit.  |
| Career Technical Assurance Guides (CTAGs) | • CTAGs award college credit for career-technical coursework to students who complete an approved course and earn a <u>qualifying score on the end of course exam</u> . |
| 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.

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|---------------------|--|
| Academic strengths  | <ul style="list-style-type: none"><li>• Math/numerical calculations (multi-step calculations/unit conversions/decimals)</li><li>• Geometry/spatial awareness</li><li>• Oral/written communication</li></ul>  |
| Safety              | <ul style="list-style-type: none"><li>• Some work sites require OSHA 10 certification</li><li>• Some sites require passing a drug screen</li><li>• Awareness of workplace hazards (electrical/equipment/tools/power delivery systems)</li><li>• Wear personal protective equipment (safety glasses, hardhats, gloves, safety harnesses, steel-toed boots/hearing protection)</li><li>• Read/follow instruction/technical manuals</li><li>• Understand hazards associated with equipment/tools/worksites</li><li>• Follow policies/procedures/codes to protect people/data/property</li><li>• Remain aware of surroundings such as live electrical points/overhead dangers/gas lines/underground utilities/falling objects</li></ul>                                    |
| Career expectations | <ul style="list-style-type: none"><li>• Install/calibrate/operate robotic systems</li><li>• Record information (time/materials used/data)</li><li>• Integrate robotics with peripheral equipment (controllers/3D printers)</li><li>• Install/calibrate/operate/maintain robotic equipment</li><li>• Troubleshoot mechanical failures/maintenance issues</li><li>• Understand/use continuous improvement manufacturing processes (Lean)</li><li>• Program/debug robotic equipment</li><li>• Research feasibility/design/operation of robotic equipment</li><li>• Study/read blueprints/sketches/plans for project layout</li><li>• Understand/use materials specified in blueprints/plans</li><li>• Work collaboratively with experts across various pathways</li></ul> |



## 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

## Frequently Used Pathway Skills/Abilities

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.

Sharpness of vision/hearing acuity	<ul style="list-style-type: none"><li>Distinguish details/differences visually</li><li>Differentiate various sounds</li><li>Perceive distance/depth of objects in space</li><li>Distinguish between colors (technical manuals/wiring diagrams)</li></ul>
Communication	<ul style="list-style-type: none"><li>Express/explain thoughts/ideas</li><li>Observe/document/maintain/update accurate records</li><li>Listen/relay accurate information in written/verbal manner</li><li>Use active listening to give full attention/understanding to others</li><li>Able to read/understand technical manuals/documents/regulations</li><li>Social communication (appropriate social media/workplace conversations)</li></ul>
Physical mobility/strength Eye-hand coordination/dexterity	<ul style="list-style-type: none"><li>Stoop/bend/walk/carry items safely</li><li>Use arm/eye-hand coordination/manual dexterity to grasp/manipulate/assemble items</li><li>Ability to use power/hand tools</li><li>Lift/carry heavy objects (up to 80 pounds)</li></ul>
Problem-solving/reasoning	<ul style="list-style-type: none"><li>Follow sequenced activities accurately</li><li>Work independently with minimal supervision</li><li>Apply general rules to specific problems</li><li>Develop/follow procedures and processes</li><li>Make informed decisions quickly</li><li>Study specifications to prepare project layout/work activities</li><li>Awareness of surrounding to keep safe</li></ul>

## Technology and Software

All career & technical education programs utilize various software and industry-specific equipment to prepare students for 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
S/P2	Modern Automotive Technology Online
ICAR	Collision Repair
Aviation Supplies & Academics Inc.	Prepware/Ground School
CareerSafe	Online OSHA 10 credentialing preparation/testing platform
Microsoft Office	Word, PowerPoint, Excel and Outlook
Internet Browsing	Conduct career-related independent and group research

## Industry Credentials/Certifications

Credentials/certifications demonstrate knowledge and skills. They are typically earned by successfully completing an exam or completing a 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. Accommodations are available but are subject to vendor or State of Ohio approval. Typical accommodations for industry-related credentials/certifications 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 transcribed 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                    | <ul style="list-style-type: none"><li>• Math/numerical calculations (count/measure/compute/fractions/decimals)</li><li>• Geometry/spatial awareness</li><li>• Oral/written communication</li></ul>   |
| Safety                                | <ul style="list-style-type: none"><li>• Some work sites require OSHA 10 certification</li><li>• Some sites require pass a drug screen</li><li>• Awareness of workplace hazards (electrical/equipment/tools/power)</li><li>• Wear personal protective equipment (safety glasses, hardhats, gloves, safety harnesses, steel-toed boots)</li><li>• Read/follow instruction/technical manuals</li><li>• Understand hazards associated with equipment/tools/worksites</li><li>• Follow equipment/policies/procedures/codes to protect people/data/property</li><li>• Remain aware of surroundings such as live electrical points/overhead dangers/gas lines/falling objects</li></ul>   |
| Career expectations                   | <ul style="list-style-type: none"><li>• Work in various weather conditions (indoors/outdoors/summer/winter)</li><li>• Work at various heights, using ladders, stooping/bending</li><li>• Record information (time/materials used/accidents/changes to work)</li><li>• Comply with standards/policies/procedures (safety/maintenance)</li><li>• Recommend/develop/perform general/preventative maintenance for tools/equipment</li><li>• Diagnose malfunctioning equipment and correct issues</li><li>• Understand/use materials specified in technical/service manuals</li><li>• Analyze test results/error messages/information from customer to diagnose problems</li><li>• Observe/test the operation to diagnose malfunctions using testing devices</li><li>• Follow/document exact check/maintenance/repair standards (FAA)</li><li>• Work collaboratively with experts across the transportation pathway</li></ul> |
| Federal Aviation Administration (FAA) | <ul style="list-style-type: none"><li>• Maintain repair logs/document aircraft maintenance to meet FAA standards</li><li>• No modifications allowed on FAA-Airframe Certifications Tests</li><li>• Student must be 18 years of age/able to read/write/speak/understand English</li><li>• Test includes written/oral/skill-based practical tests</li></ul>  |



## Essential Skills

# Creative Path – Communication Arts

This career path focuses on designing or creating graphics to meet specific commercial or promotional needs, such as packaging, displays, or logos. Additionally, designers may use a variety of mediums to achieve artistic or decorative effects.

## Creative Path – Communication Arts Programs at Great Oaks

Program	Location
Digital Arts & Design	Diamond, Laurel, Live, Scarlet

## Frequently Used Pathway Skills/Abilities

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.

Sharpness of vision/hearing acuity	<ul style="list-style-type: none"><li>• Distinguish details/differences visually</li><li>• Differentiate various sounds</li><li>• Perceive distance/depth of objects in space</li><li>• Recognize tones/shades of color</li></ul>
Communication	<ul style="list-style-type: none"><li>• Express/explain thoughts and ideas</li><li>• Write/document/record information accurately</li><li>• Listen/relay accurate information in written/verbal manner</li><li>• Follow multi-step instructions in sequence</li><li>• Read and interpret scope of work documents</li><li>• Understand important details in verbal and tabular formats</li><li>• Social communication (appropriate social media/workplace conversations)</li></ul>
Physical mobility/strength Eye-hand coordination/dexterity	<ul style="list-style-type: none"><li>• Sit and use computers for extended time</li><li>• Use electronic equipment and troubleshoot issues</li><li>• Work in small/confined areas and use ladders</li><li>• Fine motor skills (precision hand tools/small screws/cables/wires/electronic parts)</li><li>• Lift and carry heavy objects (up to 50 pounds)</li></ul>
Problem-solving/reasoning	<ul style="list-style-type: none"><li>• Develop/follow sequenced activities accurately</li><li>• Work independently with minimal supervision</li><li>• Ability to quickly perceive similarities and differences (objects/pictures/patterns)</li><li>• Apply design rules to specific problems</li><li>• Combine pieces of information to form conclusions from various sources</li><li>• Apply mathematical logic (geometric shapes/scale/space)</li><li>• Understand/decipher what others need to solve problems</li></ul>

## Technology and Software

All career & technical education programs utilize various software and industry-specific equipment to prepare students for 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
Certiport	Gmetrix online learning/pretesting platform
Adobe	Illustrator, Photoshop, InDesign, Premier Pro, After Effects, Animate
Microsoft Office	Word, PowerPoint, Excel and Outlook
Internet Browsing	Conduct career-related independent and group research

## Industry Credentials/Certifications

Credentials/certifications demonstrate career-ready knowledge and skills. They are typically earned by successfully completing an exam or 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. Accommodations are available but are subject to vendor or State of Ohio approval. Typical accommodations for industry-related credentials/certifications 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)	<ul style="list-style-type: none"><li>The CCP program provides Ohio high school students an opportunity to complete college courses and earn transcribed credit.</li></ul>
Career Technical Assurance Guides (CTAGs)	<ul style="list-style-type: none"><li>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 or, in some cases earn an industry credential.</li></ul>
Articulated Credit	<ul style="list-style-type: none"><li>Some Great Oaks career-technical programs have agreements with colleges where students can earn credit toward a specific degree.</li></ul>

## Additional Pathway Considerations

Some career pathways have additional standards students must meet to fully participate in Great Oaks programs. Programs in this pathway have additional recommendations to fully experience learning opportunities and earn industry credentials/certifications.

Academic strengths	<ul style="list-style-type: none"><li>Art (use of color/scale/composition)</li><li>Math (ratios/geometry/size)</li><li>Oral/written communication</li></ul>
Safety	<ul style="list-style-type: none"><li>Work safely with electronic equipment (printers/3D printers/cameras)</li><li>Work safely with sharp tools (precision cutting tools/equipment)</li><li>Understand confidentiality/ownership of created content (print/digital)</li></ul>
Career expectations	<ul style="list-style-type: none"><li>Prepare illustrations/rough sketches based on client request</li><li>Organize/maintain archives of images/photos/previous work products</li><li>Create concepts/designs/layouts that follow design principles</li><li>Learn/use various design software (Adobe Creative Cloud/Microsoft Office)</li><li>Respond to critique positively/revise work based on feedback</li><li>Develop briefings/brochures/multimedia presentation/digital artwork/newsletters</li><li>Critique/evaluate artistic expression using artistic terminology</li><li>Use light/color/texture/shadow/transparency to create life-like objects</li><li>Read/understand design publications</li><li>Photograph layouts and create prints for clients</li></ul>

## Essential Skills

# Creative Path – Information Technology

This career path focuses on answering questions/resolving computer problems for clients in person, via telephone, or electronically. Additionally helping with the use of computer hardware and software, including printing, installation, word processing, electronic mail, programming/coding and operating systems is common in this path.

## Creative Path – Information Technology Programs at Great Oaks

Program	Location
Coding & Web Design	Diamond, Scarlet
Information Technology	Laurel
IT Academy	Live

## Frequently Used Pathway Skills/Abilities

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.

Sharpness of vision/hearing acuity	<ul style="list-style-type: none"><li>• Distinguish details/differences visually</li><li>• Differentiate various sounds</li><li>• Perceive distance/depth of objects in space</li></ul>
Communication	<ul style="list-style-type: none"><li>• Express/explain thoughts and ideas</li><li>• Write/document/record information accurately</li><li>• Listen/relay accurate information in written/verbal manner</li><li>• Follow multi-step instructions in sequence</li><li>• Read and interpret technical information</li><li>• Understand important details in verbal and tabular formats</li><li>• Social communication (appropriate social media/workplace conversations)</li></ul>
Physical mobility/strength Eye-hand coordination/dexterity	<ul style="list-style-type: none"><li>• Stoop/bend/walk/carry items safely</li><li>• Use electronic equipment and troubleshoot issues</li><li>• Work in small/confined areas and use ladders</li><li>• Fine motor skills (precision hand tools/small screws/cables/wires/electronic parts)</li><li>• Lift and carry heavy objects (up to 50 pounds)</li></ul>
Problem-solving/reasoning	<ul style="list-style-type: none"><li>• Develop/follow sequenced activities accurately</li><li>• Work independently with minimal supervision</li><li>• Ability to solve challenging problems without clear answers (persistence)</li><li>• Determine courses of action after reading/watching instructional content</li><li>• Maintain accurate records/problem-solving steps/cabling schematics</li><li>• Apply mathematical logic (programming/electrical power requirements)</li><li>• Understand/decipher what others need to solve problems</li></ul>

## Technology and Software

All career & technical education programs utilize various software and industry-specific equipment to prepare students for 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
Certiport	Gmetrix online learning/pretesting platform
Schoology/Canvas	Learning management systems
Microsoft Office	Word, PowerPoint, Excel and Outlook
Internet Browsing	Conduct career-related independent and group research

## Industry Credentials/Certifications

Credentials/certifications demonstrate career-ready knowledge and skills. They are typically earned by successfully completing an exam or 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. Accommodations are available but are subject to vendor or State of Ohio approval. Typical accommodations for industry-related credentials/certifications 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 transcribed 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 or, in some cases earn an industry credential.

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 additional recommendations to fully experience learning opportunities and earn industry credentials/certifications.

Academic strengths

- Science (electronics/electricity)
- Math (ratios/arrays/binary/hexadecimal/logic/flowcharts)
- Oral/written communication

Safety

- Work safely with electronic equipment (disconnect/discharge stored power)
- Work safely with sharp parts
- Work safely with precise/fragile/small parts

Career expectations

- Solve problems that many have multiple correct solutions (programming)
- Troubleshoot issues that may have multiple problems
- Understand ethical considerations of using digital content (copyright/AI/privacy)
- Set up/configure equipment (monitors, wireless networks/printers)
- Read/understand cabling diagrams
- Develop/follow complex multi-step instructions
- Communicate technical information to non-technical clients

## Essential Skills

# Health Path – Health Sciences

This path focuses on planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development. May advise patients on health maintenance and disease prevention or provide case management. Licensing or registration required.

## Health Path – Health Sciences Programs at Great Oaks

Program	Location
Dental Assisting	Laurel, Scarlet
Exercise Science & Sports Medicine	Diamond, Laurel, Live, Scarlet
Health Academy	Scarlet
Health Technology	Diamond, Laurel, Live
Surgical Technology	Diamond, Scarlet

## Frequently Used Pathway Skills/Abilities

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.

Sharpness of vision/hearing acuity	<ul style="list-style-type: none"><li>• Distinguish details/differences visually</li><li>• Differentiate various sounds</li><li>• Perceive distance/depth of objects in space</li></ul>
Communication	<ul style="list-style-type: none"><li>• Express/explain thoughts/ideas</li><li>• Write/document/record information accurately</li><li>• Listen/relay accurate information in written/verbal manner</li><li>• Follow multi-step instructions in sequence</li><li>• Read and interpret technical/medical information</li><li>• Understand and reference diagrams/charts/anatomical information</li><li>• Social communication (appropriate social media/workplace conversations)</li></ul>
Physical mobility/strength Eye-hand coordination/dexterity	<ul style="list-style-type: none"><li>• Stoop/bend/walk/carry items safely</li><li>• Use instruments/precision equipment</li><li>• Work near others to perform medical/health procedures/therapies</li><li>• Fine motor skills (suturing wounds/dispensing pills/taking blood)</li><li>• Lift and carry heavy objects (up to 80 pounds)</li></ul>
Problem-solving/reasoning	<ul style="list-style-type: none"><li>• Develop/follow sequenced activities accurately</li><li>• Work independently with minimal supervision</li><li>• Ability to use medical equipment and interpret associated data</li><li>• Determine courses of action and treatment options</li><li>• Make informed decisions quickly</li><li>• Remain calm in stressful situations</li></ul>

## Technology and Software

All career & technical education programs utilize various software and industry-specific equipment to prepare students for 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
iCEV Health Science	HealthCenter21 online health/medical curriculum
National Healthcareer Association Certifications	Online credentialing preparation/testing platform
Microsoft Office	Word, PowerPoint, Excel and Outlook
Internet Browsing	Conduct career-related independent and group research

## Industry Credentials/Certifications

Credentials/certifications demonstrate career-ready knowledge and skills. They are typically earned by successfully completing an exam or 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. Accommodations are available but are subject to vendor or State of Ohio approval. Typical accommodations for industry-related credentials/certifications 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 transcribed 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 recommendations and requirements to participate in clinical learning experiences and earn industry credentials/certifications.

- |                    |  |
|--------------------|--|
| Academic strengths | <ul style="list-style-type: none"><li>• Anatomy/biology/science</li><li>• Math (ratios/unit conversions/measurements of various types/elapsed time)</li><li>• Oral/written communication</li></ul> |
|--------------------|--|

- |                                 |  |
|---------------------------------|--|
| Identification/background check | <ul style="list-style-type: none"><li>• Most sites require a state-issued photo ID</li><li>• Some sites require a Social Security card</li><li>• Some sites require a background check</li></ul> |
|---------------------------------|--|

- |                            |   |
|----------------------------|---|
| Vaccination/drug screening | <ul style="list-style-type: none"><li>• Most sites require a physical</li><li>• Most sites require a current COVID and flu vaccine</li><li>• Most sites require a 2-step TB test</li><li>• Most sites require a drug screen (10-panel including marijuana)</li><li>• Some sites require a hepatitis B (HepB) vaccine</li><li>• Some sites require a measles/mump/rubella (MMR) and varicella vaccines</li></ul> |
|----------------------------|---|

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|--|---|
| Ohio Department of Health (ODH)<br>State Tested Nurse Aid (STNA) | <ul style="list-style-type: none"><li>• Complete a 75-hour training program (59 hours lecture/16 hours clinical)</li><li>• Provide Social Security Card</li><li>• Provide State issued photo ID</li></ul> |
|--|---|

- |   |   |
|---|---|
| Ohio Board of Nursing (OBN)<br>Licensed Practical Nursing (LPN) | <ul style="list-style-type: none"><li>• Successfully complete a 1-year training course at an approved school</li><li>• Complete CPR/AED training</li><li>• Complete background check (including fingerprint check)</li><li>• Provide Social Security Card</li><li>• Provide State issued photo ID</li></ul> |
|---|---|

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|------------|---|
| Phlebotomy | <ul style="list-style-type: none"><li>• Complete 30 successful venipuncture sticks on live individuals</li><li>• Complete 10 successful capillary finger sticks on live individuals</li></ul> |
|------------|---|

- |                         |  |
|-------------------------|--|
| Electrocardiogram (EKG) | <ul style="list-style-type: none"><li>• Complete 10 successful EKG reading on live individuals</li></ul> |
|-------------------------|--|



## Essential Skills

# Helping Path – Cosmetology

This Career Cluster focuses on providing beauty services, such as cutting, coloring, and styling hair, and massaging and treating scalp. May include shampoo hair, apply makeup, dress wigs, remove hair, and provide nail and skincare services.

## Helping Path – Cosmetology Programs at Great Oaks

### Program

Cosmetology

### Location

Diamond, Laurel, Live, Scarlet

## Frequently Used Pathway Skills/Abilities

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.

Sharpness of vision/hearing acuity	<ul style="list-style-type: none"><li>• Distinguish details/differences visually</li><li>• Differentiate various sounds</li><li>• Perceive distance/depth of objects in space</li></ul>
Communication	<ul style="list-style-type: none"><li>• Express/explain thoughts/ideas</li><li>• Document/maintain/update accurate client information records/services provided</li><li>• Schedule client appointments/receive payments</li><li>• Listen and relay accurate information in written/verbal manner</li><li>• Follow multi-step instructions in sequence</li><li>• Understand and reference diagrams/charts/anatomical information</li><li>• Social communication (appropriate social media/workplace conversations)</li></ul>
Physical mobility/strength Eye-hand coordination/dexterity	<ul style="list-style-type: none"><li>• Stoop/bend/walk/carry items safely</li><li>• Use instruments/precision equipment</li><li>• Work near others to perform services</li><li>• Fine motor skills (clipping, cutting, shaving, tweezing, applying cosmetics)</li></ul>
Problem-solving/reasoning	<ul style="list-style-type: none"><li>• Follow sequenced activities accurately</li><li>• Work independently with minimal supervision</li><li>• Ability to use cosmetology equipment</li><li>• Determine courses of action and treatment options</li><li>• Develop/follow procedures and processes</li><li>• Make informed decisions quickly</li><li>• Remain calm in stressful situations</li><li>• Analyze client physical features to make recommendations of services</li></ul>

## Technology and Software

All career & technical education programs utilize various software and industry-specific equipment to prepare students for 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
CIMA	Milady Cosmetology/Course Management 14 <sup>th</sup> edition
CIMA	Milady Cosmetology Exam Prep 14 <sup>th</sup> edition
Microsoft Office	Word, PowerPoint, Excel and Outlook
Internet Browsing	Conduct career-related independent and group research

## Industry Credentials/Certifications

Credentials/certifications demonstrate career-ready knowledge and skills. They are typically earned by successfully completing an exam 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. Accommodations are available but are subject to vendor or State of Ohio approval. Typical accommodations for industry-related credentials/certifications include:

Extended time

Read-aloud

## 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 transcribed 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 the human services pathway have some of the following requirements to participate in learning experiences and earn industry credentials/certifications.

- |                    |  |
|--------------------|--|
| Academic strengths | <ul style="list-style-type: none"><li>• Junior year – English/math/science are required and counted as cosmetology hours</li><li>• Senior year – science is required counted as cosmetology hours</li><li>• Anatomy/chemistry</li><li>• Oral communication</li><li>• Artistic expression</li></ul> |
|--------------------|--|

- |                                 |   |
|---------------------------------|---|
| Identification/background check | • Require a state-issued photo ID (or school issued photo ID) |
|---------------------------------|---|

- |                              |   |
|------------------------------|---|
| Cosmetology safety standards | <ul style="list-style-type: none"><li>• Follow all Ohio State Cosmetology and Barber Board regulations/ rules</li><li>• Keep workstations/tools (scissors/combs) clean/sanitized</li><li>• Administer therapeutic medications/advise patrons to seek medical treatment for chronic or contagious scalp conditions</li></ul> |
|------------------------------|---|

- |  |  |
|--|--|
| Ohio State Cosmetology & Barber Board Internship | <ul style="list-style-type: none"><li>• Complete a 150-hour (minimum) up to 300-hour summer internship between junior and senior year</li><li>• Interns are not paid for any work performed</li><li>• Students must be scheduled for at least three but no more than ten hours per day</li><li>• Students are required to maintain a daily journal of all services/jobs/tasks performed during the internship that must be verified by the salon</li><li>• Interns must have a state-issued photo ID (driver's license/USA passport/other form of Government identification)</li><li>• Social Security card for proof of citizenship (in certain cases, Ohio State Cosmetology &amp; Barber Board will determine a student's eligibility once the application is received)</li></ul> |
|--|--|

- |   |  |
|---|--|
| Ohio State Cosmetology & Barber Board Exams | <ul style="list-style-type: none"><li>• Students must complete 1500 hours the state exam eligibility</li><li>• Examinations are only offered in English language</li><li>• Two-part exam (75% or greater score for passing)<ul style="list-style-type: none"><li>▪ 100 written questions</li><li>▪ 9 practical skills tests</li></ul></li><li>• Each examinee is assigned in individual workstation</li><li>• Examinees cannot communicate with others during the exam (NO mobile device usage during exam– immediate failure if used during exam) and will not have any written material (unless provided by the Ohio State Cosmetology &amp; Barber Board)</li></ul> |
|---|--|

## Essential Skills

# Helping Path – Hospitality & Tourism

This career path focuses on participating in the preparation, seasoning, and cooking of salads, soups, fish, meats, vegetables, desserts, or other foods. May plan and price menu items, order supplies, and keep records and accounts.

## Helping Path – Hospitality & Tourism Programs at Great Oaks

**Program**  
Culinary Arts & Hospitality

**Location**  
Diamond, Live, Scarlet

## Frequently Used Pathway Skills/Abilities

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.

Sharpness of vision/hearing acuity	<ul style="list-style-type: none"><li>• Distinguish details/differences visually</li><li>• Differentiate various sounds</li><li>• Perceive distance/depth of objects in space</li></ul>
Communication	<ul style="list-style-type: none"><li>• Express/explain thoughts/ideas</li><li>• Write/document/record information accurately</li><li>• Listen/relay accurate information in written/verbal manner</li><li>• Follow multi-step instructions in sequence</li><li>• Read and interpret recipe information/steps</li><li>• Understand and menu/seating diagrams/food service layout diagrams</li><li>• Social communication (appropriate social media/workplace conversations)</li></ul>
Physical mobility/strength Eye-hand coordination/dexterity	<ul style="list-style-type: none"><li>• Extended standing/bending/stooping</li><li>• Use equipment and small wares (knives/hot plates/beverage equipment)</li><li>• Work near others to prepare/serve food</li><li>• Fine motor skills (measuring ingredients/use sharp tools/decorating pastries)</li><li>• Lift and carry heavy objects (up to 50 pounds) while being aware of surroundings</li></ul>
Problem-solving/reasoning	<ul style="list-style-type: none"><li>• Follow sequenced activities accurately</li><li>• Work independently with minimal supervision/attention to detail</li><li>• Ability to use medical equipment and interpret associated data</li><li>• Observe/follow safety procedures (working with sharp objects/hot items)</li><li>• Develop/follow procedures and processes</li><li>• Make informed decisions quickly and remain calm in stressful situations</li></ul>

## Technology and Software

All career & technical programs utilize various software and industry-specific equipment to prepare students for 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
ServeSafe	On-line Credentialing
TouchBistro	Cloud and Point-of-Sale Software/Reservations
Rise UP	Customer Service and Sales/Retail Fundamentals Credential
Google Suite/Microsoft Office	Google Docs/Sheets/ Office Suite
Internet Browsing	Conduct career-related independent and group research

## Industry Credentials/Certifications

Credentials/certifications demonstrate career-ready knowledge and skills. They are typically earned by successfully completing an exam or 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. Accommodations are available but are subject to vendor or State of Ohio approval. Typical accommodations for industry-related credentials/certifications 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 transcribed 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 additional recommendations to fully experience learning opportunities and earn industry credentials/certifications.

- |                    |   |
|--------------------|---|
| Academic strengths | <ul style="list-style-type: none"><li>• Math (fractions/conversions/ratios/measurements/time/money)</li><li>• Oral/written communication</li><li>• Understanding artistic expression/eye for detail</li></ul> |
|--------------------|---|

- |          |   |
|----------|---|
| ServSafe | <ul style="list-style-type: none"><li>• Most sites require a state-issued photo ID (school ID is sufficient)</li><li>• ServSafe Manager Certification requires a 70% or higher exam score</li></ul> |
|----------|---|

- |                     |   |
|---------------------|---|
| Career expectations | <ul style="list-style-type: none"><li>• Maintain clean/sanitized food preparation/eating areas</li><li>• Work with/around chemicals/sanitizers/soaps</li><li>• Provide customer service (needs assessment/quality standards)</li><li>• Use task-specific equipment (computers/tablets/small tools)</li><li>• Follow clerical procedures/systems for filing/organizing/delivering items</li><li>• Work in hot/small space environments</li><li>• Experience smells/odors of various foods/spices/seasonings</li><li>• Handle raw meats (beef/pork/chicken/fish)</li><li>• Keep accurate records of work/tasks completed</li><li>• Maintain awareness of surroundings/others</li><li>• Follow food/kitchen safety standards</li><li>• Document/maintain accurate recipes/food use/expenditures</li><li>• Plan menus/scale recipes (use fractions)/prepare/serve meals</li></ul> |
|---------------------|---|

## Essential Skills

# Helping Path – Early Childhood Education

This career path focuses on caring for and instructing infants, toddlers, pre-school, and early elementary aged children in activities to promote social, physical, and intellectual growth. Additional responsibility for the design and implementation of educational programs and services.

## Helping Path – Early Childhood Education Programs at Great Oaks

Program	Location
Early Childhood Education	Laurel, Live, Scarlet

## Frequently Used Pathway Skills/Abilities

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.

Sharpness of vision/hearing acuity	<ul style="list-style-type: none"><li>• Distinguish details and differences visually</li><li>• Differentiate various sounds</li><li>• Perceive distance/depth of objects in space</li></ul>
Communication	<ul style="list-style-type: none"><li>• Express/explain thoughts and ideas</li><li>• Observe/document/maintain/update accurate student records</li><li>• Listen and relay accurate information in written/verbal manner</li><li>• Interact with small children to convey information effectively</li><li>• Use active listening to give full attention/understanding to others</li><li>• Social perceptiveness – aware/understanding of others' reactions</li><li>• Social communication (appropriate social media/workplace conversations)</li></ul>
Physical mobility/strength Eye-hand coordination/dexterity	<ul style="list-style-type: none"><li>• Stoop/bend/walk/carry items safely</li><li>• Monitor/use equipment/materials to keep children safe</li><li>• Work near children/adults</li><li>• Supervise children in various educational areas (playground and classroom)</li><li>• Organize/supervise fine/gross motor activities</li></ul>
Problem-solving/reasoning	<ul style="list-style-type: none"><li>• Follow sequenced activities accurately</li><li>• Work independently with minimal supervision</li><li>• Apply general rules to specific problems</li><li>• Develop/follow procedures and processes</li><li>• Make informed decisions quickly</li><li>• Remain calm in stressful situations</li><li>• Plan/implement developmentally appropriate experiences</li><li>• Identify/report children showing signs of emotional/developmental/health problems</li><li>• Awareness of surrounding to keep children/adults safe</li></ul>

## Technology and Software

All Career Tech programs utilize various software and industry-specific equipment to prepare students for 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
Ohio Professional Registry	Ohio Child Care Resource and Referral Association
Microsoft Office	Word, PowerPoint, Excel and Outlook
Internet Browsing	Conduct career-related independent and group research

## Industry Credentials/Certifications

Credentials/certifications demonstrate knowledge and skills in a specific career pathway. They are typically earned by successfully completing an exam 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. Accommodations are available but are subject to vendor or State of Ohio approval. Typical accommodations for industry-related credentials/certifications include:

Extended time

## 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 transcribed 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 | <ul style="list-style-type: none"><li>• Anatomy/chemistry</li><li>• Math/numerical data (count/measure/compute)</li><li>• Oral/written communication</li><li>• Reading</li><li>• Artistic expression</li></ul> |
|--------------------|--|

- |                                 |   |
|---------------------------------|---|
| Identification/background check | • Require a state-issued photo ID (or school issued photo ID) |
|---------------------------------|---|

- |   |   |
|---|---|
| Ohio Department of Job & Family Services (ODJFS)<br>Ohio Department of Education (ODE)<br>requirements to participate in Field Experience | <ul style="list-style-type: none"><li>• Level 1<ul style="list-style-type: none"><li>▪ Complete and pass Ohio Bureau of Criminal Identification (BCI) and Federal Bureau of Investigation (FBI) background checks</li><li>▪ Complete and sign ODJFS medical form signed by a physician (physical examination)</li><li>▪ Complete and pass First Aid and CPR training (adult, child, and infant)</li><li>▪ Complete ODJFS Child Care Orientation through the Ohio Professional Registry housed at the Ohio Child Care Resource and Referral Association (OCCRRA)</li></ul></li><li>• Level 2<ul style="list-style-type: none"><li>▪ Complete ODJFS Communicable Disease Preventions for Childcare Professionals course</li><li>▪ Complete Ohio Children's Trust Fund Child Abuse Awareness and Prevention course</li></ul></li></ul> |
|---|---|

- |  |   |
|--|---|
| Child Development Associate (CDA) Credential | <ul style="list-style-type: none"><li>• Complete 480 hours of field experience</li><li>• Prepare and complete a CDA professional portfolio</li><li>• Work with a CDA specialist</li><li>• Schedule as CDA verification visit</li><li>• Pass CDA examination</li></ul> |
|--|---|



## Essential Skills

# Helping Path – Law, Public Safety, Corrections & Security

This path focuses on serving communities and responding to emergency situations where life, property or environment is at risk. Additionally, careers in this path maintain order and enforce local, state and federal laws and ordinances.

## Helping Path – Law, Public Safety, Corrections & Security Programs at Great Oaks

**Program**  
Firefighting/Emergency Medical Services  
Law Enforcement

**Location**  
Scarlet  
Laurel, Scarlet

## Frequently Used Pathway Skills/Abilities

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.

Sharpness of vision/hearing acuity	<ul style="list-style-type: none"><li>• Distinguish details/differences visually</li><li>• Differentiate various sounds</li><li>• Perceive distance/depth of objects in space</li></ul>
Communication	<ul style="list-style-type: none"><li>• Express/explain thoughts/ideas</li><li>• Write/document/record information accurately</li><li>• Listen/relay accurate information in written/verbal manner</li><li>• Follow multi-step instructions in sequence</li><li>• Communicate with citizens in emergency situations</li><li>• Understand and clearly communicate commands/instructions</li><li>• Social communication (appropriate social media/workplace conversations)</li></ul>
Physical mobility/strength Eye-hand coordination/dexterity	<ul style="list-style-type: none"><li>• Extended standing/bending/stooping/walking/climbing</li><li>• Use equipment/tools (chainsaw/axe/handcuffs/hand tools/baton/fire hose)</li><li>• Work near others (confined spaces/hot environments/deal with bodily fluids)</li><li>• Fine motor skills (medical care/precision safety equipment use/handcuffing)</li><li>• Lift and carry heavy objects (up to 180 pounds) while being aware of surroundings</li></ul>
Problem-solving/reasoning	<ul style="list-style-type: none"><li>• Follow sequenced activities accurately</li><li>• Work independently with minimal supervision/attention to detail</li><li>• Ability to use medical/communication equipment and interpret associated data</li><li>• Observe/follow safety procedures/laws/ordinances</li><li>• Make informed decisions quickly and remain calm in stressful situations</li></ul>

## Technology and Software

All career & technical education programs utilize various software and industry-specific equipment to prepare students for 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
911 Academy	Dispatcher Training Software
Federal Emergency Management Agency	Industry Credentialing
Pearson/NetExam	Firefighting/EMT Online Credential Testing
Microsoft Office	Word, PowerPoint, Excel and Outlook
Internet Browsing	Conduct career-related independent and group research

## Industry Credentials/Certifications

Credentials/certifications demonstrate career-ready knowledge and skills. They are typically earned by successfully completing an exam or 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. Accommodations are available but are subject to vendor or State of Ohio approval. Typical accommodations for industry-related credentials/certifications include:

Extended time/small group

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 transcribed 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 additional recommendations to fully experience learning opportunities and earn industry credentials/certifications.

Academic strengths	<ul style="list-style-type: none"><li>• Oral/written communication (report writing/documenting evidence)</li><li>• Math (estimating distances/weights, measurements speed/weight/time)</li></ul>
Law Enforcement	<ul style="list-style-type: none"><li>• State-issued photo ID</li><li>• Social Security card</li><li>• Background check/psychological exam/physical exam/multi-panel drug screen</li><li>• Pass a lie detector test</li></ul>
Firefighter I & II	<ul style="list-style-type: none"><li>• Meet background investigation/character as outlined by the State of Ohio<ul style="list-style-type: none"><li>▪ No felony conviction</li><li>▪ No pending felony or misdemeanor charges at time of application</li><li>▪ Not adjudicated as mentally incompetent by a court of law</li></ul></li><li>• Pass multi-panel drug screen</li><li>• Physical examination (Must comply with NFPA 1582 Chapter 5.1.3)</li><li>• Complete Federal Emergency Agency (FEMA) courses<ul style="list-style-type: none"><li>▪ National Incident Management System IS – 700</li><li>▪ Incident Command System IS – 100 or equivalent</li></ul></li><li>• Complete and pass National Fire Protection Association (NFPA) instruction/exams</li><li>• Meet medical requirements as outlined by the State of Ohio<ul style="list-style-type: none"><li>▪ Current use of medications outlined in NFPA 1582 Table 9.3 is a disqualifier</li><li>▪ Psychiatric/psychological disorders listing Table 1582, Table 9.3 requires special provision</li></ul></li><li>• Wear personal protective equipment (firefighter suit/self-contained breathing apparatus (SCBA))</li></ul>
Emergency Medical Technician	<ul style="list-style-type: none"><li>• Meet background investigation/character as outlined by the State of Ohio<ul style="list-style-type: none"><li>▪ No felony conviction</li><li>▪ No pending felony or misdemeanor charges at time of application</li><li>▪ Not adjudicated as mentally incompetent by a court of law</li></ul></li><li>• Pass multi-panel drug screen</li><li>• Most clinical sites require a current COVID and flu vaccine (EMT)</li><li>• Most clinical sites require a 2-step TB test (EMT)</li><li>• Most clinical sites require a hepatitis B (HepB) vaccine</li><li>• Pass the initial certification exam in accordance with Rule 4765-05 of the Ohio Revised Code (ORC) (Cognitive understating/skill-based assessment)</li></ul>

## Essential Skills

# Nature Path – Agriculture, Food & Natural Resources

This path focuses on feeding, watering, grooming, bathing, exercising, or otherwise providing care to promote and maintain the well-being of pets and other animals. Additionally, production, yield, and management of crops and agricultural plants or trees, shrubs, and nursery stock, their growth in soils, and management of pests is part of the nature path.

## Nature Path – Agriculture, Food & Natural Resources Programs at Great Oaks

Program	Location
Animal Science & Management	Laurel, Live
Environmental Science & Management	Live
Equine Science & Management	Diamond, Laurel
Veterinary Assisting	Diamond, Laurel, Scarlet

## Frequently Used Pathway Skills/Abilities

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.

Sharpness of vision/hearing acuity	<ul style="list-style-type: none"><li>• Distinguish details/differences visually</li><li>• Differentiate various sounds</li><li>• Perceive distance/depth of objects in space</li></ul>
Communication	<ul style="list-style-type: none"><li>• Express/explain thoughts/ideas</li><li>• Write/document/record information accurately</li><li>• Listen/relay accurate information in written/verbal manner</li><li>• Follow multi-step instructions in sequence</li><li>• Read and interpret technical/medical information</li><li>• Understand and reference diagrams/charts/anatomical information</li><li>• Social communication (appropriate social media/workplace conversations)</li></ul>
Physical mobility/strength Eye-hand coordination/dexterity	<ul style="list-style-type: none"><li>• Stoop/bend/walk/carry items safely</li><li>• Use equipment/lead small and large animals</li><li>• Work near others to perform medical/health procedures/therapies</li><li>• Fine motor skills (weighing small animals/restraining animals)</li><li>• Lift and carry heavy objects (up to 50 pounds)</li></ul>
Problem-solving/reasoning	<ul style="list-style-type: none"><li>• Develop/follow sequenced activities accurately</li><li>• Work independently with minimal supervision</li><li>• Ability to comprehend potential hazards (animals/diseases/chemicals)</li><li>• Determine courses of action and treatment options</li><li>• Make informed decisions quickly</li><li>• Remain calm in stressful situations</li></ul>

## Technology and Software

All career & technical education programs utilize various software and industry-specific equipment to prepare students for 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
iCEV Agriculture Science	Online agriculture curriculum/credential testing
CareerSafe	Online OSHA 10 credentialing preparation/testing platform
Microsoft Office	Word, PowerPoint, Excel and Outlook
Internet Browsing	Conduct career-related independent and group research

## Industry Credentials/Certifications

Credentials/certifications demonstrate career-ready knowledge and skills. They are typically earned by successfully completing an exam or 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. Accommodations are available but are subject to vendor or State of Ohio approval. Typical accommodations for industry-related credentials/certifications 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 transcribed 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 additional recommendations to fully experience learning opportunities and earn industry credentials/certifications.

- |                     |   |
|---------------------|---|
| Academic strengths  | <ul style="list-style-type: none"><li>• Anatomy/biology/science</li><li>• Math (ratios/unit conversions/measurements of various types/elapsed time)</li><li>• Oral/written communication</li></ul>  |
| Safety/allergens    | <ul style="list-style-type: none"><li>• Know when/use personal protective equipment (PPEs) as necessary</li><li>• All programs work with live animals<ul style="list-style-type: none"><li>▪ Horses</li><li>▪ Cats/dogs</li><li>▪ Rodents/rabbits</li><li>▪ Birds</li><li>▪ Reptiles</li></ul></li><li>• Restrain animals in a manner that prevents injuries (human/animal)</li><li>• Recognize/anticipate animal behaviors that could lead to injuries</li><li>• All programs use various chemicals for sanitation/sterilizing</li><li>• All programs use various types of bedding (straw/cedar and wood chips/paper)</li></ul>  |
| Career expectations | <ul style="list-style-type: none"><li>• Hold/restrain animals during examinations</li><li>• Prepare labels/samples for laboratory examination</li><li>• Clean/sanitize exam rooms/equipment/growing areas</li><li>• Prepare medical reports/treatments delivered/care recommendations</li><li>• Assist with euthanizing/disposal of animals</li><li>• Prepare veterinary treatment instruments/supplies/medications</li><li>• Bathe/clip nails/cut/brush animal hair/fur</li><li>• Maintain safe/sanitary habitats for various types of animals/plants</li><li>• Exercise animals/provide companionship</li><li>• Notice/quickly react to animal disposition/changes in behaviors</li></ul> |

# Transition Programs

Transition programs at Great Oaks are designed to provide students with disabilities opportunities to learn/gain work experience in the classroom and community. The goal of Great Oaks transition programs is community complete employment.

## Transition Programs at Great Oaks

Program	Location
CareerX	Diamond, Laurel, Live, Scarlet
Project SEARCH	Cincinnati Children's Hospital
Project SEARCH	Fifth Third Bank – Madisonville Operations Center
Project SEARCH	Xavier University

## Frequently Used Transition Program Skills/Abilities

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.

Sharpness of vision/hearing acuity	<ul style="list-style-type: none"> <li>Distinguish details/differences visually</li> <li>Differentiate various sounds</li> <li>Perceive distance/depth of objects in space</li> </ul>
Communication	<ul style="list-style-type: none"> <li>Express/explain thoughts/ideas</li> <li>Write/type/record information (use computer for communication)</li> <li>Listen and relay accurate information in written/verbal manner</li> <li>Follow multi-step instructions in sequence</li> <li>Work with others/maintain professional relationships/use appropriate behaviors</li> <li>Social communication (appropriate social media/workplace conversations)</li> </ul>
Physical mobility/strength Eye-hand coordination/dexterity	<ul style="list-style-type: none"> <li>Sit/stand/walk for extended times (depending on work task)</li> <li>Navigate a workplace (crossing streets/going to different buildings/use basic maps)</li> <li>Use office/kitchen/maintenance equipment safely</li> <li>Fine motor skills (assemble objects/grasp objects/use small equipment/tools)</li> <li>Lift and carry objects (up to 25 pounds)</li> </ul>
Problem-solving/reasoning	<ul style="list-style-type: none"> <li>Follow sequenced activities accurately</li> <li>Work with supervision and fade to independent work</li> <li>Arrange objects/documents into patterns/sequence/alpha-numeric order</li> <li>Ask for help as needed to help build independence</li> <li>Identify problems and independently try to solve it before asking for help</li> <li>Investigate career opportunities (apply/interview/follow-up with employers)</li> <li>Prioritize a list of tasks (identify a completion sequence)</li> </ul>

## Technology and Software

All career & technical programs utilize various software and industry-specific equipment to prepare students for 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
Site-specific software	Business training software, clock-in/out, proprietary software
Microsoft Office/Google Suite	Word processing, email, presentation software, spreadsheets
Internet Browsing	Conduct career-related independent and group research

## Industry Credentials/Certifications/Regulatory Training

Credentials/certifications demonstrate career-ready knowledge and skills. They are typically earned by successfully completing an exam or 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. Accommodations are available but are subject to vendor or State of Ohio approval. Typical accommodations for industry-related credentials/certifications include:

Extended time

Read-aloud/translation services

## Transition Planning

Transition programs at Great Oaks offers students an opportunity to work with transition support organizations.

Opportunities for Ohioans with Disabilities (OOD)

- OOD supports students with disabilities in skill assessment, identifying career interest, job training support and finding/keeping a job.

County Boards of Developmental Disabilities (DD)

- Ohio's county boards of developmental disabilities provide assessment, service planning, and coordination to adults and children with developmental disabilities, as well as oversight and assistance to service providers.

Other adult service agencies

- Great Oaks intervention specialists and career tech instructors maintain relationships with other agencies that support students looking for work.

## Additional Pathway Considerations

Some career pathways have additional standards students must meet to fully participate in Great Oaks programs. Transition programs at Great Oaks have additional recommendations to fully experience learning opportunities and earn industry credentials/certifications.

Academic strengths

- Math (basic operations/fractions/percents/sense of time/basic financial literacy)
- Oral/written communication
- Use Microsoft Excel/Google Sheets

Safety

- Work safely with electronic equipment (printers/computers)
- Work safely with sharp tools (cutting tools/equipment)
- Understand confidentiality/privacy standards (print/digital)
- Situational awareness (crossing streets/safe communication with strangers)
- Some worksite require vaccination (COVID and flu vaccine)

Career expectations

- Follow/comply with all jobsite requirements
- Provide customer service (needs assessment/quality standards)
- Use task-specific equipment (computers/tablets/small tools)
- Follow clerical procedures/systems for filing/organizing/delivering items
- Use computer equipment for email/managing file/attendance/tracking items
- Keep accurate records of work/tasks completed
- Maintain awareness of surroundings
- Employability skills (be on time/workplace attire/stamina to work all day)