

LEWIS COUNTY CAREER & TECH CENTER

KENTUCKY CTE
EMPOWERED
Today's Career and Technical Education

PATHWAY GUIDE



**LEWIS COUNTY
CAREER & TECH CENTER**



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(606) 796-6106**





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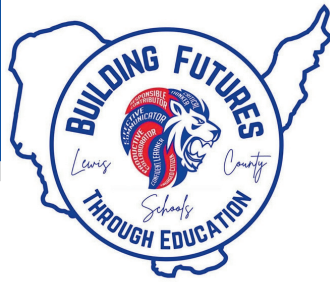


PRINCIPAL'S MESSAGE

“Welcome to Lewis County Career and Technical Center, where we're not just teaching skills, but building futures! As your CTE principal, I'm incredibly proud of our commitment to providing students with the knowledge and experience they need to thrive in today's dynamic world. Our CTE programs are designed to offer hands-on learning, real-world application, and pathways to both college and career success. We encourage students to explore their passions, develop marketable skills, and become confident, capable individuals. Our dedicated teachers, industry partnerships, and state-of-the-art facilities are all working to ensure that every student has the opportunity to succeed. I look forward to a year of growth, learning, and accomplishment as we work together to shape the next generation of leaders and innovators.”

Jeremy L. Ruckel
Principal, Lewis County CTC



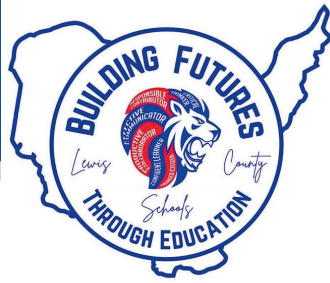


LEWIS COUNTY CAREER & TECH CENTER VISION

Vision

The VISION of the Lewis County Career & Technical Center (LCCTC) is to prepare and provide all Lewis County students with a real-world educational experience, using a variety of instructional methods and programs to see that all of our students become successful in their chosen career. Every student that enters our doors should leave feeling as if they are prepared to continue their post-secondary education or begin their career.

LCCTC will always strive to serve our students and community in a positive way through educational enhancements and a variety of programs. Our goal will be to continue to increase the percent of students who exit our building college and/or career ready. This will be done by providing students with excellent teachers who will prepare them using a variety of instructional methods and rigorous activities.



LEWIS COUNTY CAREER & TECH CENTER MISSION & MOTTO

Mission

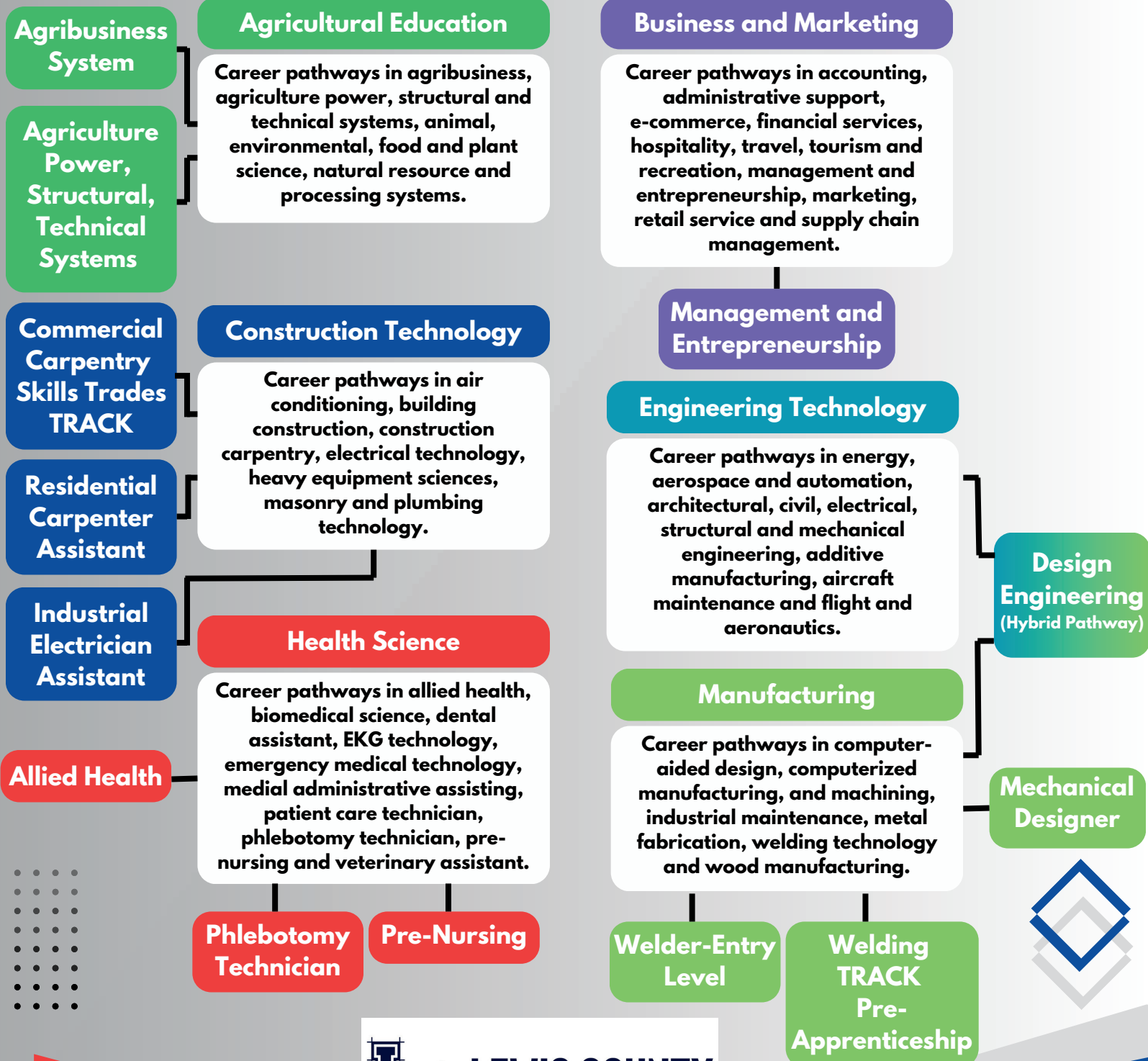
The MISSION of the Lewis County Career and Technical Center is to equip students with the skills and knowledge necessary for successful entry into specific careers or for further education, focusing on industry-relevant training and preparing students for a global, ever-changing workforce.

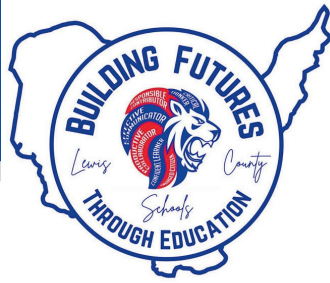
Motto

**The MOTTO of the Lewis County Career and Technical Center is
“Learning Today, Leading Tomorrow”**



CAREER OPTIONS AND PATHWAYS





LEWIS COUNTY'S PORTRAIT OF A LION



CRITICAL THINKER

- ✔ Applies thinking that is clear, rational, open-minded and informed by evidence
- ✔ Asks questions and analyzes outcomes
- ✔ Persists through difficulty and thinks outside the box

RESPONSIBLE CONTRIBUTOR

- ✔ Takes initiative and acts with purpose
- ✔ Acts honestly and demonstrates care for the interests of the larger community
- ✔ Honors commitments and owns the outcomes

EFFECTIVE COMMUNICATOR

- ✔ Uses appropriate communication for a range of purposes and audiences
- ✔ Listens to understand and gain knowledge
- ✔ Responds productively to feedback from others

PRODUCTIVE COLLABORATOR

- ✔ Makes individual contributions to a larger group
- ✔ Seeks, contributes, and responds to feedback
- ✔ Keeps a positive attitude through successes and failures

CONFIDENT LEARNER

- ✔ Demonstrates the desire to continuously learn and grow
- ✔ Plans for a future of self-improvement
- ✔ Sees risks and failures as opportunities to move forward

ENGAGED CITIZEN

- ✔ Exercises the rights and obligations of local, state, national and global citizenship
- ✔ Builds connections and values interactions with others
- ✔ Manages resources and demonstrates life skills



Agriculture Pathway Agribusiness System CIP: 01.0101.00

Classes Include:

- Principles of Agriculture
- Agriscience
- Agribusiness and Farm Management
- Greenhouse Technology

Pathway Certification
EOP Ag Business

Post Secondary Partner
**Murray State
University**

Agricultural Education



Partners



**MURRAY
STATE
UNIVERSITY**

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LCCTC AGRICULTURE PROGRAM



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Agricultural Education

Agriculture Pathway

Agriculture Power,
Structural, Technical Systems
CIP: 01.0201.00

Classes Include:

- Principles of Agriculture
- Agriculture Construction Skills
- Small Power and Equipment
- Agriculture Power and Machinery Operation

Pathway Certification

EOP Ag Power

Post Secondary Partner

Murray State University

LCCTC AGRICULTURE PROGRAM

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STATE
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Business & Marketing

Business Pathway Management and Entrepreneurship CIP: 52.0701.00

Classes Include:

- Introduction to Management
- Personal Finance / Financial Literacy
- Digital Literacy
- Business and Marketing Essentials / Introduction to Business
- Principles of Entrepreneurship

Pathway Certification
EOP Business Management

Post Secondary Partner
Maysville Community & Technical College

LCCTC BUSINESS PROGRAM

Partners



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Carpentry Pathway

Residential Carpenter

Assistant

CIP: 46.0201.02

Classes Include:

-Introduction to Construction Technology

-Floor and Wall Framing

-Ceiling and Roof Framing

-Construction Prints-.5

-Industrial Safety-.5

Pathway Certification

NCCER Carpentry

OSHA 10

Post Secondary Partner

Maysville Community & Technical College

Construction Technology



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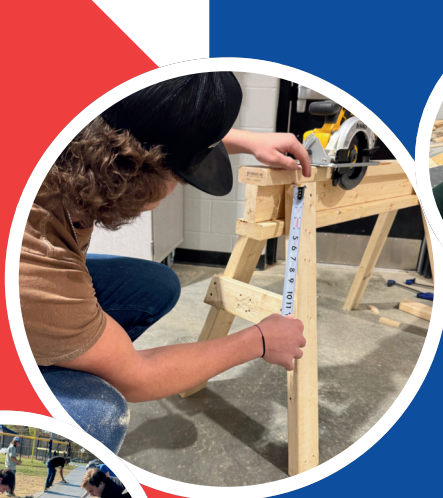
LCCTC CARPENTRY PROGRAM



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Carpentry Pathway

Commercial Carpentry
Skills Trades TRACK
CIP: 46.0201.99

Classes Include:

- Introduction to Construction Technology
- Floor and Wall Framing
- Ceiling and Roof Framing
- Construction Prints-.5
- Industrial Safety-.5

Pathway Certification
Carpentry TRACK
OSHA 10

Post Secondary Partner
**Maysville Community &
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Construction Technology



Partners



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LCCTC CARPENTRY PROGRAM



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Computer-Aided Drafting & Design Pathway

Mechanical Designer
CIP: 15.1301.02

Classes Include:

- Introduction to Computer Aided Drafting
- Engineering Graphics
- Parametric Modeling
- Introduction to 3D Printing Technology

Pathway Certification

Industrial Certification

**Autodesk AutoCAD Certified
User Exam**

Post Secondary Partner

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Manufacturing



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LCCTC CADD

PROGRAM



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CADD / Engineering Pathway

Design Engineering
CIP: 15.1304.00

Classes Include:

- Introduction to Computer Aided Drafting
- Technical Design I
- Technical Design II
- Introduction to 3D Printing Technology

Pathway Certification

Industrial Certification

**Autodesk AutoCAD Certified
User Exam**

**REC - Foundation Pre-
Engineering Certification**

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CADD

PROGRAM

Hybrid Manufacturing & Engineering Technology



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Electrical Pathway Industrial Electrician Assistant CIP: 46.0302.02

Classes Include:

- Electrical Construction I
- Circuits I
- Electrical Motor Controls
- Rotating Machinery

Pathway Certification
Industrial Certification
NCCER Electrical
and
OSHA 10

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Construction Technology



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LCCTC ELECTRICAL PROGRAM



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Health Science

Health Science Pathway Allied Health CIP: 51.0000.01

Classes Include:

- Principles of Health Science
- Emergency Procedures .5
- Medical Terminology .5
- Allied Health Core Skills
- Body Structures and Functions

Pathway Certification
**NOCTI Allied Health Care
Core Skills**

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LCCTC HEALTH SCIENCE PROGRAM



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Health Science Pathway

Phlebotomy Technician
CIP: 51.1009.01

Classes Include:

- Principles of Health Science
- Emergency Procedures .5
- Medical Terminology .5
- Medical Laboratory Aide (Phlebotomist)
- Body Structures and Functions

Pathway Certification

Industrial Certification

CPT-Certified Phlebotomy Technician

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Health Science



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HEALTH SCIENCE PROGRAM



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Health Science Pathway Pre-Nursing CIP: 51.2699.01

Classes Include:

- Principles of Health Science
- Emergency Procedures
- Medical Terminology
- Medicaid Nurse Aide
- Body Structures and Functions

Pathway Certification
Industrial Certification
KY SRNA

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Health Science



LCCTC HEALTH SCIENCE PROGRAM

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Welding Pathway

Welder-Entry Level

CIP: 48.0508.01

Classes Include:

- Gas Metal Arc Welding (GMAW) and Lab
- Shielded Metal Arc Welding (SMAW) and Lab
- SMAW Groove Welds with Backing Lab
- Cutting Processes and Lab

Pathway Certification
Industrial Certification
KY DOT
OSHA 10

Post Secondary Partner
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Manufacturing



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LCCTC WELDING PROGRAM



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Manufacturing

Welding Pathway

Welding TRACK

Pre-Apprenticeship

CIP: 48.0508.99

Classes Include:

- Gas Metal Arc Welding (GMAW) and Lab
- Shielded Metal Arc Welding (SMAW) and Lab
- SMAW Groove Welds with Backing Lab
- Cutting Processes and Lab

Pathway Certification

Industrial Certification

Welding TRACK

OSHA 10

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Partners



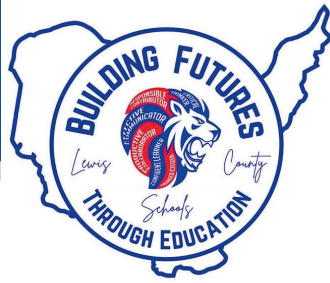
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LCCTC WELDING PROGRAM



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LCCTC TEACHERS BY PROGRAM AREA

Teachers

<u>Program Area</u>	<u>Teacher</u>	<u>Email</u>
Agricultural Education	Tyler Clark	tyler.clark@lewis.kyschools.us
Business & Marketing	Kelley Bentley Brad Stone	kelley.bentley@lewis.kyschools.us brad.stone@lewis.kyschools.us
Construction Technology Carpentry	Adam Cooper	adam.cooper@lewis.kyschools.us
Manufacturing CADD / Engineering	Ronda Wilburn	ronda.wilburn@lewis.kyschools.us
Construction Technology Electrical	Brent Fields	brent.fields@lewis.kyschools.us
Health Science	Casey Bentley Melissa Meyer	casey.bentley@lewis.kyschools.us melissa.meyer@lewis.kyschools.us
Manufacturing Welding	Pat McGlone	pat.mcglone@lewis.kyschools.us

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Pathway	1 st Course	2 nd Course	3 rd Course	4 th Course	Pathway Certification
Agricultural Education Agriculture Pathway Agribusiness System 01.0101.00	Principles of Agriculture 030715	Agriscience 030711	Agribusiness and Farm Management 010131	Greenhouse Technology 010641	EOP Agribusiness
Agricultural Education Agriculture Pathway Agriculture Power, Structural, Technical Systems 01.0201.00	Principles of Agriculture 030715	Agriculture Construction Skills 010241	Small Power and Equipment 010231	Agriculture Power and Machinery Operation 010212	EOP Ag Power Structured Tech Systems
Business and Marketing Business Pathway Management and Entrepreneurship 52.0701.00	Digital Literacy 060112 Business and Marketing Essentials/ Introduction to Business 060111	Introduction to Management 060411	Principles of Entrepreneurship 080310	Personal Finance / Financial Literacy 060170	EOP Business Management



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Pathway	1 st Course	2 nd Course	3 rd Course	4 th Course	Pathway Certification
Construction Technology Carpentry Pathway Residential Carpentry 46.0201.02			1 st / 2 nd Course Introduction to Construction Technology 460201 Construction Prints 460217 Industrial Safety 499930	3 rd / 4 th Course Floor and Wall Framing 460212 Ceiling and Roof Framing 460213	NCCER and OSHA 10
Construction Technology Carpentry Pathway Commercial Carpentry Skills Trades TRACK 46.0201.99			1 st / 2 nd Course Introduction to Construction Technology 460201 Construction Prints 460217 Industrial Safety 499930	3 rd / 4 th Course Floor and Wall Framing 460212 Ceiling and Roof Framing 460213	Carpentry TRACK and OSHA 10



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Pathway	1 st Course	2 nd Course	3 rd Course	4 th Course	Pathway Certification
Manufacturing Computer-Aided Drafting and Design Pathway Mechanical Designer 15.1301.02	Induction to Computer Aided Drafting 480110	Engineering Graphics 480113	Parametric Modeling 480136	Introduction to 3D Print Technology 332001	NOCTI CAD Foundations or Autodesk AutoCAD Certified User Exam
Hybrid Manufacturing/ Engineering Technology CADD / Engineering Pathway Design Engineering 15.1304.00	Induction to Computer Aided Drafting 480110	Technical Design I 210138	Technical Design II 210108	Introduction to 3D Print Technology 332001	REC-Foundation Pre-Engineering Certification and Autodesk AutoCAD Certified User Exam
Construction Technology Electrical Pathway Industrial Electrician Assistant 46.0302.02	Electrical Construction I 460312	Circuits I 460316	Electrical Motor Controls 460331	Rotating Machinery 406325	NCCER Electrical and OSHA



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Pathway	1 st Course	2 nd Course	3 rd Course	4 th Course	Pathway Certification
Health Science Health Science Pathway Allied Health 51.0000.01	Principles of Health Science 170111	Body Structures and Functions 170167	Emergency Procedures 170141 Medical Terminology 170131	Allied Health Core Skills 170501	NOCTI Allied Health Care Core Skills
Health Science Health Science Pathway Phlebotomy Technician 51.1009.01	Principles of Health Science 170111	Body Structures and Functions 170167	Emergency Procedures 170141 Medical Terminology 170131	Medical Laboratory Aide (Phlebotomist) 170567	CPT-Certified Phlebotomy Technician
Health Science Health Science Pathway Pre-Nursing 51.2699.01	Principles of Health Science 170111	Body Structures and Functions 170167	Emergency Procedures 170141 Medical Terminology 170131	Medical Nurse Aide 170631	KY SRNA



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Pathway	1 st Course	2 nd Course	3 rd Course	4 th Course	Pathway Certification
Manufacturing Welding Pathway Welder-Entry Level 48.0508.01			1st and 2nd Course Cutting Processes and Lab 480501 SMAW Groove Welds with Backing Lab 480528	1st and 2nd Course Shielded Metal Arc Welding (SMAW) and Lab 480521 Gas Metal Arc Welding (GMAW) and Lab 480522	KY DOT and OSHA 10
Manufacturing Welding Pathway Welding TRACK Pre-Apprenticeship 48.0508.99			1st and 2nd Course Cutting Processes and Lab 480501 SMAW Groove Welds with Backing Lab 480528	1st and 2nd Course Shielded Metal Arc Welding (SMAW) and Lab 480521 Gas Metal Arc Welding (GMAW) and Lab 480522	Welding TRACK and OSHA 10

