



LANCASTER COUNTY
CAREER & TECHNOLOGY CENTER

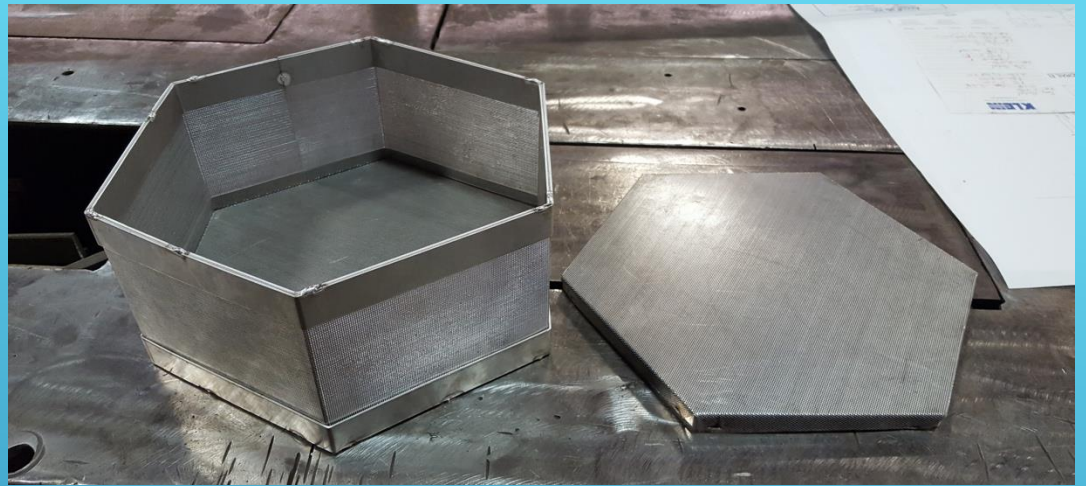
WELCOME TO NEW STUDENT ORIENTATION

Metal Fabrication Program
Mr. Ryan Clark




SHEET METAL WORKER


CUSTOM METAL FABRICATOR



▶ Program Goals

- Successfully transition into a 1st career job and/or related post-secondary training.
 - Be proficient in their career major and demonstrate proficiency through hands-on performance and theoretical testing.
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▶ Program Description

- Create and fabricate custom metal work.
 - Build advanced sheet metal systems.
 - Operate state-of-the-art, metal-shaping equipment.
 - Learn to use OAC, Stick, MIG and TIG
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Employment Opportunities

- Custom Metal Worker
 - Heavy Shear/Brake/Roll Forming Operator
 - HVAC Residential & Commercial Installer
 - Layout Worker
 - Metal Fabricator & Roofer
 - Millwright
 - Sheet Metal Installer
 - Mechanic & Assembler
 - Sheet Metal Production Worker
 - Siding/Spouting Installer
 - Structural Steel Worker
 - Welder
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GAS METAL ARC WELDING (ALSO KNOWN AS MIG WELDING)



OXYGEN ACETYLENE WELDING & CUTTING



SHIELDED METAL ARC WELDING (ALSO KNOWN AS STICK WELDING)



GAS TUNGSTEN ARC WELDING (ALSO KNOWN AS TIG WELDING)



PLASMA ARC CUTTING

SHEET METAL TECHNOLOGY





SHEET METAL SHEAR



ROLL FORMING MACHINE



HAND CUTTING TOOLS

Advanced Placement Internship And Cooperative Education

This intensive program allows students to work side-by-side with an experienced mentor in a work-place setting.

- Advanced Food Products
- Dentech
- ECS Comfort
- Greiner Industries
- Highland Tank
- M. H. Eby
- MODLOGIQ
- Pequea Machine
- Handrail Design
- SpecFab
- SWF Industries



API REQUIREMENTS

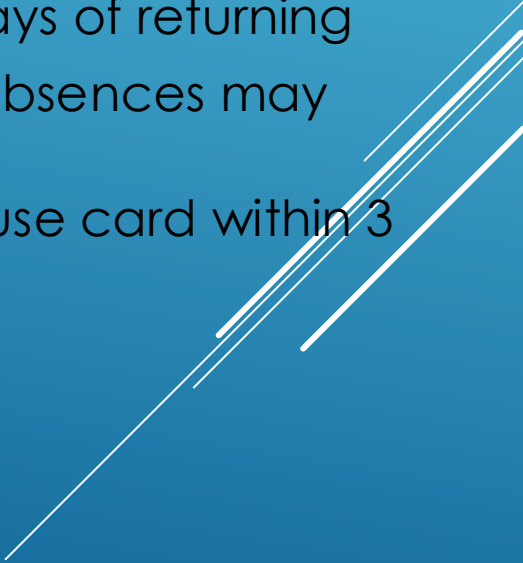
To start API, you must meet the following requirements:

- Grade must be 80% or better
- No more than 2 unexcused absences
- No Level 3 disciplines
- Complete OSHA 10 Training
- Instructor recommendation

Additional needs

- Driver's license and reliable transportation
 - Drug Screening
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STUDENT RESPONSIBILITY/RULES


- ▶ Come prepared and ready to put in a fair day's work.
 - ▶ Cooperate with the instructor and other classmates. Display safe work habits.
 - ▶ Show respect toward all people, property, and equipment.
 - ▶ Comply with all LCCTC Student Handbook policies.
 - ▶ Attend CTC Every DAY!
 - ▶ Make-up work must be completed within three days of returning
 - ▶ Tests and assignments missed due to unexcused absences may not be made up.
 - ▶ If you are absent, you will need to bring in an excuse card within 3 days.
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CELL PHONE POLICY




- ▶ Cell phones may be used in the cafeteria during lunch and when permitted by the administration and staff. Violators will be subject to disciplinary action. Students may not use their cell phones unless given permission by the instructor. All cell phones should be locked in a student's locker for the day with the exception of lunch.


DRESS CODE

- ▶ Students are required to wear a uniform EVERY DAY!
 - ▶ Navy Blue “Dickie” brand work pants
 - ▶ **Crimson** CTC shirt, CTC SWEATSHIRT
 - ▶ High Top leather work boots, Reinforced steel toe boots are required. No sneakers or casual boots are allowed.
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GRADING AND ASSESSMENT

- ▶ Grades will be determined by evaluating three areas of study.
 - ▶ Knowledge/Theory
 - ▶ Skills/Performance
 - ▶ Daily Score
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KNOWLEDGE- 1/3 OF GRADE

- ▶ Tests & quizzes
 - ▶ Workbook and other written assignments.
 - ▶ Homework
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SKILL/PERFORMANCE- 1/3 OF GRADE


- ▶ Participation in lab work
 - ▶ Work quality
 - ▶ Work quantity
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DAILY SCORE -1/3 OF GRADE


BEHAVIORS AND ATTITUDES EMPLOYERS ARE LOOKING FOR IN A GOOD EMPLOYEE

- ▶ Focus and Attention
 - ▶ Safety
 - ▶ Attendance
 - ▶ Uniform
 - ▶ Proper use of tools and equipment
 - ▶ Work habits
 - ▶ Responsibility
 - ▶ Initiative/Effort
 - ▶ Attitude towards learning
 - ▶ Quantity of work
 - ▶ Cooperation
 - ▶ Respect toward others
 - ▶ Compliance with rules and regulations
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GUIDANCE AND COUNSELING

- ▶ Guidance counselors are available to assist students with decisions related to occupational choices, post-secondary educational plans, and personal issues.
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FINANCIAL AID


- ▶ Needs based scholarships are available through the LCCT Foundation to cover the cost of uniforms and books.
 - ▶ See your sending school guidance counselor first
 - ▶ If there is still a need, see your CTC counselor and/or talk with your instructor
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LEARNING SUPPORT SERVICES


- ▶ Learning support services are available upon request from our IU #13 learning facilitators for students with an IEP. The learning center is available for study help, remediation, make-up work, and test taking.



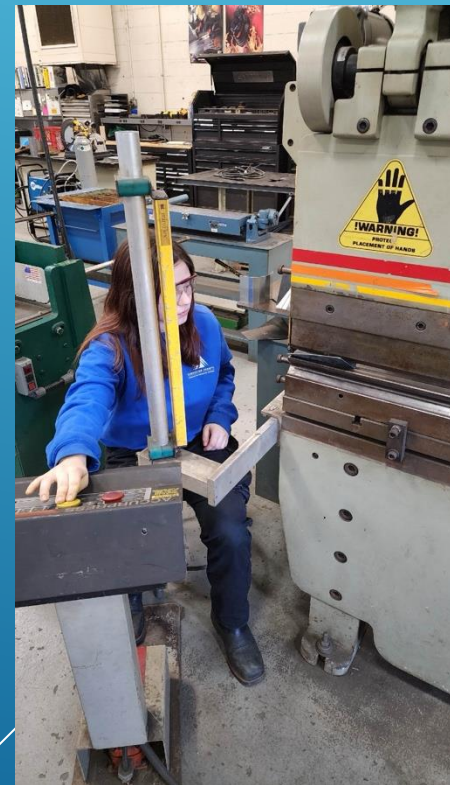
OPENING DAY & TRANSPORTATION

- ▶ LCCTC's first student day is **August 20, 2026**
 - ▶ Bussing to and from the CTC is provided by the high schools.
 - ▶ Only Seniors may drive to the CTC. All underclassman are required to ride the bus.
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WHAT YOU NEED FOR THE FIRST DAY OF SCHOOL?

- ▶ Blue Dickie brand work pants. 100% Cotton – KEEP RECEIPTS!
 - ▶ Crimson CTC tee shirt.
 - ▶ Leather work boots. No sneakers or casual boots with nylon panels.
 - ▶ Bring Pencils to write.
 - ▶ A POSITIVE attitude!
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METAL FABRICATION STUDENTS WORKING ON PROJECTS



- ▶ Contact information
 - ▶ Instructor: Ryan Clark
 - ▶ Ryan.Clark@lancasterctc.edu
 - ▶ 717-653-3000 Ext 3044
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