

# PRE-APPRENTICESHIP

## LIMITED STUDENT OFFERING



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Over the next decade nearly 3.5 million manufacturing jobs likely need to be filled. The skills gap is expected to result in 2 million of those jobs going unfilled.

Source: Deloitte Report: The Skills Gap in US Manufacturing 2015 and Beyond

# MANUFACTURING TECHNICIAN

## Overview

*For the district (s) able to act quickly and engage in work-based learning, we have just been invited to participate in a new opportunity in our region.*



**\$4700**

**Fifteen (15) seniors in South Central PA will be chosen for this competitive \$4700 value pilot program FREE**

## Passing students will receive:

- **MSSC credential (national)**
- **OSHA certification**

## With no fees for the student or the school

In partnership with the Manufacturing Association, CRPCD is offering a limited time and space opportunity for:

### **up to 15 senior students**

to enter a pre-apprenticeship program at no cost to the school district or the student.\*

### **More information**

The Manufacturing Association has a database of manufacturers who will provide the practicum piece of the offering.

The learning components are currently all online. Schools may choose to dedicate class time (and thereby allow classroom credit) for the offering, or allow students to work independently on the learning modules.

Passing students may be eligible for advanced placement in existing apprenticeship programs. Students will also receive two “essential” tools: a Starrett Rule 6” and a Brown & Sharp micrometer (\$200 value).

Depending on interest, support, and results, this program intends to continue (and potentially grow) into the future.

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\*excludes transportation costs for practicum, which may, potentially, be subsidized



## **PRE-APPRENTICESHIP PROGRAM – MANUFACTURING TECHNICIAN**

The Manufacturing Technician Pre-Apprenticeship Program is designed for High School Seniors, enrolled in Capital Region Career Development Partnership (CRPCD) member districts, who are considering pursuit of an Apprenticeship in a chosen trade after graduation. The course takes place from September to April, offering foundation courses delivered via an online learning portal completed at the student's High School, multiple engagement events to introduce students to various departments and personnel, and on-site, hands-on practicum sessions. A detailed program overview can be found on the proceeding page for the program.

### **WHAT IS A PRE-APPRENTICESHIP?**

A Pre-Apprenticeship is designed to be an introductory, experiential learning program to help an interested party determine if pursuing an Apprenticeship in a specific field is the right career fit for their needs. On a national level, Pre-Apprenticeships are found to increase the success rates of individuals entering into Registered Apprenticeships, which is a benefit to the Apprentice and to the employer.

### **WHY PRE-APPRENTICESHIP?**

A Pre-Apprenticeship gives students the ability to explore a career before entering the workforce after graduation, all while developing skills valued by employers, should they decide that pursuing a Registered Apprenticeship is not in their post-graduation career plan. Students may receive high school credit for completion of the Pre-Apprenticeship program, dependent upon the approval of their high school. Please note that while Pre-Apprenticeship allows for exposure and relationship building with companies, completion does not guarantee the student employment upon graduation.

### **APPLICATION REQUIREMENTS**

Capacity in the Pre-Apprenticeship program is limited, and an application and interview process will occur to ensure student expectation and commitment is considered prior to enrollment. The following criteria must be met for student applications to be considered:

- ✓ Applicant must be enrolled at a CRPDC Partner School
- ✓ Applicant must have reliable transportation to and from the various program events (approximately 8)
  - Please note that a valid driver's license is required when pursuing most Apprenticeships *after* graduation
- ✓ Applicant must be able to provide at least one recommendation letter from school personnel
- ✓ An applicant's record of attendance and professional conduct through his or her high school career will be considered when reviewing applications to help consider a student's chance of success in the program
- ✓ An applicant must be prepared to attend all scheduled sessions and will require parent/guardian permission to participate in the program (Please see the "Program Overview" on the next page)
  - Please note that most of the sessions held outside of school will occur during regular school hours
- ✓ Applicant must complete all application requirements submitted no later than June 15<sup>th</sup>



## MANUFACTURING TECHNICIAN PROGRAM OVERVIEW:

This program is considered a non-paid, unregistered, Pre-Apprenticeship Program consisting of approximately 155 contact hours, resulting in potentially one (1) High School Credit for approving schools.

The 2018-2019 Manufacturing Technician Pre-Apprenticeship consists of the following curriculum requirements (all programs are weekdays):

- **SEPTEMBER 2018**
  - Kick-off Breakfast (Location: Manufacturers' Association Training Center)
    - Program Overview
    - Tour of the Manufacturer's Association Training Center and New Concept Technologies
  - Begin MSSC Online Modules at Home District/School (Completed during program year 18-19) – Expected daily time allocation – 1 class period (45-60 minutes)
    - Quality Practices & Measurement (35 hours)
    - Production & Processes (35 hours)
    - Maintenance Awareness (35 hours)
    - Safety (35 Hours) - *Elective*
- **OCTOBER 2018**
  - 10-Hour [OSHA](#) training (Host Mfg – see list) – Part 1
  - 10-Hour [OSHA](#) training (Host Mfg – see list) – Part 2
    - Students 18+ will receive 10-hour OSHA Certification Card upon completion. Regular course cost of \$225 is being covered by The Manufacturers' Association
- **NOVEMBER 2018**
  - Progress & Career Pathways Luncheon (Location: Capitol Region IU)
    - Students will receive lunch, will discuss progress of Online Modules, and will learn about the different career pathways and divisions at New Concept
- **DECEMBER 2018**
  - On-Site Practicum #1 – Quality and Measurement (Location: Host Mfg, 7:00am – 3:30pm)
- **JANUARY 2019**
  - On-Site Practicum #2 – Computer Aided Drafting Intro (Location: Host Mfg, 7:00am – 3:30pm)
- **FEBRUARY 2019**
  - On-Site Practicum #3 – Computer Aided Drafting Intro (Location: Host Mfg, 7:00am – 3:30pm)
- **MARCH 2019**
  - On-Site Practicum #4 – LEAN Mfg Intro (Location: Host Mfg, 7:00am – 3:30pm)
- **APRIL 2019**
  - Closing Program (Location: TBD)
    - Parents are invited and encouraged to attend along with their student

**[Apply for the Pre-Apprenticeship Program](#)**

<https://www.surveymonkey.com/r/BV72CYM>