

UNION COUNTY VOCATIONAL-TECHNICAL SCHOOLS
1776 RARITAN ROAD, SCOTCH PLAINS, NJ 07076
 PHONE 908-889-8288 x 304 FAX 908-889-4399
WWW.UCVTS.TEC.NJ.US

To avoid a \$20.00 late fee, please register by September 19, 2017
FALL SEMESTER SEPTEMBER 25, 2017 - DECEMBER 15, 2017
There will be no school on the following dates: October 9. November 9,10, 22,23, 24.

AUTO BODY WKSP	W	\$190	Learn filing, sanding, masking, priming, rubbing out, finished coating. Acrylic/two-stage finishes will be discussed.
AUTO WKSP	TH	\$ 190	Hands-on, All levels, save \$\$\$ by learning to maintain your vehicles lights, tires, belts & hoses, lubrication, oil changes, engine system, steering, suspension, brakes, etc.
SMALL ENGINES	W	\$ 190	Preventive maintenance of lawnmowers, leaf & snow-blowers, weed trimmers, jet skis, etc., by troubleshooting carburetors, spark plugs, filters, plus blade sharpening, etc.
BAKING	T	\$190	Hands on skills, learning measurements, ingredients, mixing, temperatures, techniques. Bake breads, buns, cookies, pizza pies, egg rolls, & a variety of pastries. Icing & cake deco included.
HOT WATER AND STEAM HEATING SYSTEMS	T	\$190	This class will cover hot water- heating boilers, steam-heating boilers, hydronic piping, steam and hot water convectors, and domestic water heaters. Review of related appurtenances: safety valves, pressure relief valves, steam blow off valve and boiler low-water cutoff. Various gauges for: pressure, temperature, combination and water-level gauge glass will be discussed.
SANITARY DRAINAGE SYSTEMS	TH	\$190	This class will cover drain piping installation for building drains and sewers. We will calculate drainage fixture unit values to determine proper pipe size. A review of various listed and labeled pipe materials, fittings, connections, traps, cleanouts, backwater valves, pipe hangers and support intervals will be discussed.
JOB LAYOUTS AND MATERIAL/ESTIMATING PLUMBERS	W	\$190	Learn to price up installation of all common plum in work. Estimate material costs, man hours per unit, and total installation cost. The course explains what you should know to estimate each part of plumbing work.
HEATING I – Mechanical	T	\$190	In this course you will learn the various residential heating systems (boilers and furnaces) and their mechanical components. Basic combustion theory and safety will also be covered. No prerequisites are required.
TECH. MATH	M	\$190	All Trades-Prerequisite to all trade programs. Lecture format.
MOTOR CONTROLS	T	\$190	This class will cover parts and components of a motor circuit; manual control, automatic control and control logic; motor control line - ladder diagrams; local Start / Stop Station; multiple Start / Stop Stations; using Selector Switches & Pilot Devices and reversing circuits.

FIRE ALARMS AND SECURITY	TH	\$ 190	This class will cover fire alarm fundamentals, fire protection interconnect standards, standard wiring practices, testing and maintenance, fire alarm system design requirements, detector placement, mechanical systems interface, and codes and standards.
BLUE PRINT READING HVAC	TH	\$190	This is a required course for any student who plans to obtain a certificate of completion for any of the offered construction courses. This is the first phase of blueprint reading. Measurements, symbols, codes, and three-dimensional designs are studied.
DRAINAGE AND VENTING	T	\$190	Come learn the proper technique for venting, pipe sizing, and wastewater. All code regulations will be covered.
STARTING YOUR OWN CONSTRUCTION/ SUBCONTRACTING BUSINESS	TH	\$ 190	Learn to start and operate a general contracting or subcontracting business. You will learn how to communicate with customers, conduct marketing, handle advertising, applying for the proper New Jersey licenses, how to get paid, and filing building permits.
INTRODUCTION TO WELDING	M	\$190	You will learn new skills and be exposed to the techniques of TIG welding, Mig Welding, Stick Welding, and oxy-fuel. Different aspects of welding will be covered. This is a hands-on class. (Enrollment will be limited).

**ALL CLASSES 12 SESSIONS UNLESS OTHERWISE NOTED
ADULT EVENING SCHOOL-6:30-9:00 PM UNLESS OTHERWISE NOTED**

**PLEASE NOTE:
STAFF IS ON LIMITED SUMMER HOURS
FULL TIME STAFF RETURNS TO THE BUILDING ON
SEPTEMBER 7th, 2017**