



## Automotive Technology Union County Vocational-Technical Adult School

The Automotive Technology program is designed to train and prepare the serious student for a career in the auto industry. Everyone will train in different ASE areas including Brakes, Steering & Suspension, Electrical and Engine Performance. Students will learn to develop a diagnostic strategy, verify customer complaints, find problem and cause, and properly make corrections related to these repairs. Most lessons are taught in the form of lecture, demonstration and most importantly “hands-on” work in an environment that simulates, as accurately as possible, the conditions and requirements of the commercial automotive repair shop. Students are encouraged to take the ASE Certification Exams offered nationwide throughout the year. The Automotive Department at UCVTS is a NATEF and ASE Certified Program.



### **Tuition Costs**

Union County Residents: \$5,000  
Out-of-County Residents: \$7,750  
Financial Aid is Available for Qualified Applicants  
Proof of Residency Required

### **Program Specifics**

10 month Program  
8am to 2pm  
Monday thru Friday  
Cohorts begin four times a year

### **Contact Information**

Union County Vocational-Technical Adult School  
1776 Raritan Road  
Scotch Plains, NJ 07076  
(908) 889-8288 Ext. 307  
[www.ucvts.org](http://www.ucvts.org)

The Union County Vocational-Technical Adult School's mission is to provide educational opportunities for adults to acquire technical skills for a new career, enhance existing skills, or to enrich personal lives. We believe lifelong learning is a necessity to everyone, and afford all students the opportunity to keep abreast of changes in technology allowing them to remain competitive in the work environment.



## Cosmetology

### Union County Vocational-Technical Adult School

If you intend to become a barber or cosmetologist, this is the class you need! *Cosmetology* involves the study of the skin, hair, scalp, and nails. This one-year, full-time program is designed to provide students with the knowledge necessary to pass the licensing requirements established by the New Jersey State Board of Cosmetology. Students are required to complete 1,000 hours of training as part of the course requirements. During these 1,000 hours, you will have a combination of classroom lecture and instruction, as well as practical hands on experience. The program includes specialized classroom training in hair and scalp analysis, finger waving, setting and hairstyling techniques, hair coloring, permanent waving, chemical relaxing, hair cutting, skin care, barbering and shaving, manicures and pedicures, facials, make-up techniques, hand and arm massage, wig styling, and hairpieces.



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## Electrical Technology Union County Vocational-Technical Adult School

The *Electrical Technology* class begins the first semester with *Safety and Residential* wiring. Students learn how to wire a house from start to finish including all devices such as, but not limited to, switches, receptacles, fixtures, panel, meter, and smoke detectors. The first semester also covers schematic drawings, blueprint reading, and project estimating. The second semester covers training in commercial and industrial wiring. Students learn how to bend conduit of EMT, Rigid, and PVC. All types of bends are taught including 90's, back to back 90's, box offsets of all degrees, and saddles. Basic electrical theory and the understanding of the National Electric Code is also covered.



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## HVAC/ Plumbing

### Union County Vocational-Technical Adult School

Students explore the many possibilities this trade offers including theory and participation in the hands-on lab. Theory includes the basic refrigeration and AC cycle, electricity, and heating equipment operation. In the lab, students learn how to use the “tools of the trade” to design, install, and troubleshoot HVAC/R equipment. The course provides an opportunity for students to receive an ERA certification for refrigerant handling and recovery, which provides a leading edge for employment in this trade. In the plumbing unit, students learn to install sinks, drains, toilets, refrigerators, dishwashers and oil burners. Students are taught how to maintain septic systems. Soldering skills and pipe fitting related to these installations are included in the training. This course also covers related plumbing theory that applies to HVAC and hydraulic systems along with basic plumbing practices.



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