

BUILDING MAINTENANCE



***Building for
Today
and the
Future***

**DEAN
TECH**

Dean Institute of Technology
1501 West Liberty Avenue
Pittsburgh, PA 15226-1197
Phone 412-531-4433
Fax 412-531-4435
Email: info@deantech.edu
www.deantech.edu

BUILDING MAINTENANCE

Day School 825 hrs. - 7.5 Months

COURSE DESCRIPTION

The Building Maintenance Technician Program is designed to offer training in a combination of trades: Carpentry, Plumbing, Electricity, Painting, Welding, Air Conditioning/Heating Repair, and Masonry. The program provides the student with the hands-on training to acquire a variety of skills.

The student is familiarized with problems, solutions, tools and supplies needed for installation and repair in the various trades.

Throughout the program, the student learns the importance of clean-up in all of the skill areas including general building clean-up procedures.

Upon completion of the program, the student is awarded a diploma. Positions for which the student may qualify include custodial or maintenance work for hospitals, motels, hotels, business properties, etc. as well as working for contractors doing rough or finish work, painting, drywall installation, roofing, etc.

WELDING

Along with welding theory and basic mathematics students will receive training in the following welding skills:

- Oxy-Acetylene - Flat Position (Butt, Lap, Tee)
- Brazing - Flat Position (Butt, Lap, Tee)
- Cutting - Oxy and Propane Cutting Safety
- Arc Welding - Flat Position (Butt, Lap, Tee)

ELECTRICITY

Students will be taught the basics of residential wiring. They will receive hands-on experience in wiring new circuits or adding to existing circuits in accordance with the National Electric Code. Instruction will be given in how to determine the proper size conductors and the fuses or breakers required by code. They will also learn to bend conduit and pull conductors through it.

MASONRY

The students learn basic block-laying using 12" and 8" blocks; how to build a wall with a steel door jamb and steel casement window built into the wall. They will also learn how to build brick columns or posts as well as brick walls using the running bond, English Bond and Flemish Bond. Repair of existing construction will be included. (Repointing)

PLUMBING

Students learn to work with copper and plastic pipe including how to measure, cut, solder or use adhesives for plastic to make connections. They become familiar with threaded and non-threaded fittings; learn how to install toilets, sinks and showers as well as how to repair them; and receive training in how to cut and thread steel or black iron pipe.

CARPENTRY

Students learn the proper use and care of hand tools and power tools as well as the use of different types of fasteners.

Areas of construction covered in this phase of the course are:

- Rough framing
- Roof framing - Hip and Gable
- Roofing
- Soffit and Fascia (aluminum and/or vinyl)
- Siding (aluminum and/or vinyl)
- Dry Wall - installation and finishing - repair
- Finish Carpentry - mouldings and trim
- Installation of windows and replacement windows
- Installation of doors and locks
- Cutting and glazing of glass in windows
- Layout and installation of drop ceilings
- Stair layout and construction

PAINTING AND WALL OR FLOOR COVERING

Students learn interior and exterior surface preparation and painting, selection and use of brushes and equipment and application techniques. Wall and floor coverings and ceramic tile are included in this section.

AIR CONDITIONING AND HEATING REPAIR

This phase of the program emphasizes basic air conditioning trouble shooting. Students learn to check-out electrical problems, find leaks in freon lines and repair or replace the lines, as well as how to add freon to a system or to evacuate the system and recharge with freon. Basic understanding of heating systems is also a part of this course.

MAINTENANCE MANAGEMENT

The maintenance management section includes many of the custodial and maintenance management techniques required for safe, efficient operation. Included are scheduling, safety, and the estimating and purchasing of supplies and materials used in all phases of the custodial or building trades.

Let Dean Tech start you on your way to a successful, rewarding career.

If you are thinking about a future in Building Maintenance, Dean Tech is the place to go for an all round education — with a craft-oriented program taught by instructors who have had successful careers in industry.

For admission, call or write to Dean Tech's Admissions Office. They will arrange an interview for you and a tour of the Institute facilities. This interview is particularly important. Dean Tech can evaluate you and tell you of your potential for this technical field. If you qualify, you register and file your registration fee.

Shortly, you are told when your class begins. In your first class you will get a complete review of all the things you are going to do and learn. You're working every minute you are in class. But Dean Tech students say it's not really work; it's learning things new and valuable, and finding out for yourself how much you can do when you put your mind to it.

Whether your course is taken in the Day or Evening you'll find every class challenging and interesting. More than that, time goes fast, and the investment you make of your time and effort will pay off every day for the rest of your life. You will be *somebody successful*. You and your family will be proud that you made it . . . earned the right to be a Dean Tech graduate.

Approvals: LICENSED by the Commonwealth of Pennsylvania, Department of Education, State Board of Private Licensed Schools. Dean Institute of Technology is approved for Veteran training, the Pennsylvania State Office of Rehabilitation, the Pennsylvania State Higher Education Assistance Agency for loans, grants, and T.R.A.



America's Skills Are America's Future

LEARN TO BE A BUILDING MAINTENANCE TECHNICIAN



Financial opportunities.

You will derive financial satisfaction from a career as a Building Maintenance Technician. There are many opportunities for financial advancement and you can go as far as your knowledge and ability will take you. **THE MORE YOU LEARN, THE MORE YOU EARN.**

Be in business for yourself.

Building Maintenance and Construction positions are springing up in every city, town, and village. Some grow into large businesses by taking on contract work and expanding to become a complete contracting company. For the person who wants to be in business for himself, the potential is unlimited.

Dean Tech's New, Up-to-date Facilities.

We have our own new building, a completely modern, three-story, 32,000 square foot, integrated facility with up-to-date equipment. You will learn from instructors who are fully aware of what industry is looking for.

Because Dean Tech instructors are selected after successful experience in industry, what you learn really has practical application in the "real world."

Other courses available at DEAN TECH

• ELECTRICAL • HVAC • WELDING

It's YOUR future!

Too often, many high school students leave school unhappy with school and themselves. They feel, "I'm not smart enough," and their grades would seem to prove this.

But, often, this is not true. We all learn things that we enjoy, understand, and fit into our life style. Students who are "craft oriented" often get lost in the general academic courses.

Here at Dean Tech, these same students, put into craft oriented courses, often find themselves in a surprising new position as a "good student."

Where the studies are prime, focused interest improves. Each student can see the relationship of each particular course of study to his particular field of interest. The "reason why" of the learning is obvious and immediate.

Many students, "turned off" by conventional schooling, ceased the effort and have taken jobs in some unskilled field.

A good part of this "lost group" are craft-oriented. By dropping out, they throw away the opportunity to become Technicians with excellent future careers.

It is for these reasons that Dean Institute came into existence 60 years ago. The whole Institute was, and continues to be, structured to assure each student maximum opportunity to develop his special capability.

If you are a student about to take a "blind alley," look at the long term benefits before making your decision. The right one can add at least \$250,000 to your life income and affect your whole life style.

And if you are a parent, uncertain how to advise, and concerned by your son's or daughter's academic record, get an evaluation of the student's "craft potential" before you help make the final decision.

Dean Tech's courses are specialized, but we always have time for a frank evaluation of your son's or daughter's technical potential.

We welcome the opportunity to show off our facility and let you meet the instructors and students of our other courses - WELDING, HVAC and ELECTRICAL

For further information - write or call:

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