

CLASS SCHEDULE



701

INSTRUMENTATION & CONTROLS

Tuition: \$80.00

Monday/Wednesday 6:00 pm - 9:20 pm

Instructor: Randy Cook Room 4

Students will learn about instrumentation and control theory, application, maintenance troubleshooting, fundamentals of control and terms and definition specific to H.V.A.C. instrumentation. Emphasis on the principles of the operation of valves, dampers, motors, VAV systems and other relations controls which when combined from the total control systems will also be covered. This course will also focus on commercial H.V.A.C. controls. Components are individually discussed and the design application and operation of cooling coils, heating coils, filtration, air distribution and auxiliaries, such as, compressed air dryers, filtration of compressed air systems, hydronic systems, heat exchanges, expansion tanks, circulating pumps and piping practices are also covered. Demonstrations and hands-on calibration of receiver controllers, thermostats, humidistates, relays and the actuators they controls are also included. In addition, this course covers the role instrumentation plays in controlling indoor air quality. Schematics and circuitry of pneumatic systems and numerous practical examples are offered to enhance the learning experience.

703

WINDOWS/OFFICE XP SUITE

Tuition: \$60.00

Lab Fee: \$30.00

(Do not mail lab fee with tuition)

Wednesday

6:00 pm - 9:20 pm

Instructor: Enrique Alcala

Room 5

This course covers the Windows XP and the Office XP Applications. The student should be familiar with basic PC use. The student will learn how to manage and organize Explorer files and folders. This is an introductory course that covers Windows Explorer, Word, Excel, Power Point, and Access, respectively. After completion of this course, the student will be able to make and write a memo, resume, and table, clip art and insert pictures into documents. Additionally, the student will be able to use basic Excel functions that will help with budget and other data management. Power Point will allow the student to make professional presentations for work or play. Finally, Access will be used to make data bases that can be used for asset management or inventory control.



SPRING 2008

704

ELECTRIC MOTOR CONTROLS

Tuition: \$80.00 Lab Fee: \$30.00
(Do not mail lab fee with tuition)
Monday/Wednesday 6:00 pm - 9:20 pm
Instructor: Patrick Saito Room 5

This course provides instruction in basic motor controls including the functions of controls, review of magnetic principles of D.C. and A.C. motors, types of motors and motor selection fundamentals. The course also covers controller components and symbols, N.E.M.A. standards and reviews of on-line, wiring the schematic diagrams. The schematic diagram is emphasized and Magnetic Controllers are studied in detail.

708

GENERAL MAINTENANCE

Tuition: \$80.00 Lab Fee: \$30.00
(Do not mail lab fee with tuition)
Thursday 6:00 pm - 9:20 pm
Instructor: Randy Cook Room 2

This course covers the construction, design, operation, and maintenance of emergency generators, pumps, fire suppression systems, flow control devices, and piping systems. This class will also cover valves, regulators, restroom fixtures, industrial grade heaters, grease traps, clarifiers, soil, and waste piping



710

PLANT OPERATION II

Tuition: \$120.00
Monday/Wednesday 6:00 pm - 9:20 pm
Instructor: Richad Stevens Room 1

This class is an advance course in the operation of larger high pressure steam generating plants under both normal and emergency conditions, operating auxiliary plant equipment, preparing boilers for inspection, lubrication, maintaining bearings, air compressor design and operation, feedwater treatment, pump design and troubleshooting, environmental systems, preparing applicant to attempt the Los Angeles "Unlimited Steam License" examination.

**Don't forget to
Register Early**

CLASS SCHEDULE

724

FUNDAMENTALS OF ELECTRICITY

Tuition: \$80.00 Lab Fee: \$30.00

(Do not mail lab fee with tuition)

Tuesday/Thursday 6:00 pm - 9:20 pm

Instructor: Robert Hudachek Room 5

This course covers the basic principles of direct and alternating current with an introduction to component theory, plus application and troubleshooting of components used in simple circuitry. Practice in direct and alternating current circuits using basic measuring instruments with fabricated circuits is taught along with an introduction of symbols and schematics. An introduction to generator and motor fundamentals and basic troubleshooting theory is also covered in this course. Electrical safety is heavily emphasized

725

LOCKSMITHING

Tuition: \$80.00 Lab Fee: \$60.00

(Do not mail lab fee with tuition)

Monday/Wednesday 6:00 pm - 9:20 pm

Instructor: Edward Williams Room 2

Learn Locksmithing from the ground up. This is a hand-on course in which you will learn key cutting, master keying locks and keys, types of locking systems, access control systems, closures and panic hardware.

Also covered will be high security cylinders, interchangeable core cylinders, close circuit television and impressing.

726

PROGRAMMABLE LOGIC CONTROLS (PLC)

Tuition: \$80.00 Lab Fee: \$30.00

(Do not mail lab fee with tuition)

Tuesday/Thursday 6:00 pm - 9:20 pm

Instructor: Enrique Alcala Room 5

This class covers operations, maintenance, and basic programming. Instruction is given on programmable logic controller operation, controller configuration, logic instruction and process application in various control situation and industries. The student will learn and perform laboratory-tasks on an industry standard Programmable Controller. Labs will be realistic, relevant and highly applicable to real job situations. A real controller will be used to develop control strategies that incorporate the most common control instructions as well as other more complex controller functions. After completing this course, the student will be able to recognize controller components, and perform basic maintenance and troubleshooting. The student will also be able to develop, write, enter, test and document PLC programs. Students participating in this class should have strong personal computer skills and understand electrical schematics.



SPRING 2008

744

ADVANCE TROUBLESHOOTING FOR AC & REFRIGERATION

Tuition: \$60.00

Monday 6:00 pm - 9:20 pm

Instructor: Patrick Brady Room 3

This course will cover basic fundamentals of the control of refrigeration equipment through the use of auxiliary equipment such as pressure and electrical controls. The student will be introduced to the various types of controls used for refrigeration systems and the options available for controlling systems.

761

APPLIED ELECTRICAL FOR COMMERCIAL REFRIGERATION AND AIR CONDITIONING

Tuition: \$120.00 Lab Fee: \$30.00

(Do not mail lab fee with tuition)

Tuesday/Thursday 6:00 pm - 9:20 pm

Instructor: Joe Keleman Room 1

This is an introduction and detailed examination of controls applied for commercial refrigeration and air conditioning systems. This course focuses on automatic control requirements and provides safe operation of equipment. It requires Electro/mechanical interlock limited to starting and stopping devices, plus automatic and manual settings to maintain control set points

762

INTRODUCTION TO HEATING VENTILATION AND AIR CONDITIONING (H.V.A.C.)

Tuition: \$120.00

Tuesday/Thursday 6:00 pm - 9:20 pm

Instructor: Albert Cohen Room 4

This course covers H.V.A.C. It will cover the fundamentals of air distribution systems used in air conditioning. The student is given instruction in the fundamentals and principles of human comfort, psychometrics, heat transfer and how to calculate heating and cooling loads. The course also covers fan fundamentals, types of distribution systems, heating and cooling apparatus, and the control of system operations.

201-B

WELDING GAS & ELECTRIC LAB (AT LATTC CAMPUS)

Tuition: \$60.00

Wednesday 6:00 pm - 9:20 pm

Instructor: Lisa Legohn Room F-156

This lab class will covered the following: oxy-acetylene welding, brazing, and cutting process.

This course is conducted at: L.A. Trade Tech College, 400 West Washington Blvd., Los Angeles, CA 90015 in Room F-156.



Congratulations 2006 & 2007 Apprentice Graduates