



**PLUMBING-HEATING-COOLING  
CONTRACTORS ACADEMY  
OF SAN DIEGO**

# **PHCC Academy of San Diego**

## **2017-2018 Training Programs**

**Journeyman Plumbing Apprenticeship**

**Plumbing Certification**

**HVAC Technician Certification**

**Continuing Education Classes**

**Learn a Trade—Advance Your Career!**



## **PHCC ACADEMY OF SAN DIEGO TRAINING PROGRAMS**

The p-h-c industry is currently lacking the necessary skilled labor to supply all facets of work in progress. Without training, this problem will only increase. The PHCC helps secure the industry's future so that plumbing and HVAC companies are a more competitive force, and the community benefits from quality of finished work.

Educated and professional workers are in high demand in the p-h-c industry. PHCC Academy of San Diego Training Programs offer individuals a chance to "earn while you learn." Some of our programs combine classroom training courses with on-the-job training. This method allows individuals to combine real life experiences with applied knowledge. Students are employed by contractor sponsors who provide on-the-job experience. As time progresses, business owners and consumers recognize the value of skilled professionals and look for the PHCC logo first.

### **JOURNEYMAN PLUMBING APPRENTICESHIP PROGRAM**

The Journeyman Plumbing Apprenticeship Program is a four-year program approved by the Office of Apprenticeship, Department of Labor. Licensed contractors are able to Federally register their employees as apprentices, while they are enrolled in our training program. We provide 156 hours of hands-on labs and classroom instruction over the full four-years. Curriculum include safety, state and local code and regulations, mathematics, drafting and blueprint reading. This Program gives technicians a thorough knowledge of all aspects of the plumbing trade. By the end of their fourth year, Apprentices will have clocked 8000 hours of on-the-job training, more than 600 hours of classroom and hands-on learning, and are given the chance to take the California PHCC Journey Level Certification Exam to ultimately earn their well-deserved PHCC Journeyman Card.

### **HVAC TECHNICIAN TRAINING PROGRAM**

This two-year program offer a chance for service technicians to become EPA608 certified, and upon completion of the program the ability to take and pass the NATE ICE certification exam, and ultimately become a NATE Certified Professional. The course is designed to provide a working knowledge of the latest tools, equipment and technologies. It provides superior hands-on information needed to successfully maintain and troubleshoot today's complex heating, air conditioning, and refrigeration systems. The program fosters a solid foundation and understanding of environmental problems and their solutions, and displays a depth of theory, diagnostics, and repair procedures.

### **CLASSES**

Students attend class one evening per week from August-June: 5:30pm- 9:30pm (plumbing) | 6pm-9:30pm (HVAC).

For optimal learning, class size is limited to 20 students.

The training program employs skilled and experienced industry professionals as instructors.

As part of the curriculum, industry experts and manufacturer representatives demonstrate cutting-edge products and technology, along with innovative production techniques.

#### **CHANGES IN CURRICULUM AND SCHEDULING**

*We reserves the right to cancel, reschedule or combine classes; to change instructors; to adjust tuition, fees, or class size and to alter curriculum. PHCC Academy of San Diego reserves the right to deny any student permission to enter or continue a course of study.*

#### **STATEMENT OF NONDISCRIMINATORY POLICY**

*The Plumbing-Heating-Cooling Contractors Academy of San Diego admits students of any race, color, national and ethnic origin to all the rights, privileges, programs, and activities generally accorded or made available to students at the school. It does not discriminate on the basis of race, color, national and ethnic origin in administration of its educational policies, admissions policies, scholar-administered programs.*



## **GENERAL INFORMATION**

### **APPLICATION REQUIREMENTS**

Applicants to PHCC Academy of San Diego must show proof of completing a high school education or equivalent.

Applicants must be at least 18 years of age at the time of enrollment.

Applicants to the Journeyman Plumbing Apprenticeship Program must be employed by a company maintaining a valid California Plumbing License (C-36) throughout the program (*not a requirement of the HVAC training program*).

Applicants must pass all Academy entrance exam(s), and conduct an interview with a training committee member.

### **ENTRANCE EXAM**

All incoming/new Applicants must pass a written entrance exam with a 70% passing score. Written examination is composed of three parts:

Part 1: Reading Comprehension | Part 2: Math Essentials\*

*\*A Math Preparation Class is offered prior to the Entrance Exam.*

### **TUITION AND FEES**

Tuition fees can be paid in advance or paid in monthly installments. A 10% discount will be applied if paid in advance.

PHCC Member.....\$ 2,175.00 per student per year\*      or      \$217.50 per student per month\*

Non-Member.....\$ 3,696.00 per student per year\*      or      \$369.60 per student per month\*

Lab Fee .....\$    WAIVED FOR 2017-2018 SCHOOL YEAR

Enrollment Fee .....\$ 100.00 per NEW incoming student \*\*

Testing Fee .....\$ 50.00 (waived for PHCC members) per incoming student \*\*

\*Discounts may be available for Military and/or students without a sponsor.

\*\*Textbooks and Code Books are an additional cost.

### **BOOK REQUIREMENTS**

#### **Journeyman Plumbing Apprenticeship Program**

Curriculum is based on the National Center for Construction Education & Research (NCCER) four-year series of plumbing textbooks, and the International Association of Plumbing & Mechanical Officials (IAPMO) Uniform Plumbing Code Book, 2015 Edition. Each student is required to obtain the required textbook(s) and Code Book (Illustrated or Non-Illustrated) for the current year of enrollment. All books are available through the PHCC Academy of San Diego, or are available online.

#### **HVAC Technician Certification Program**

The core curriculum is based on the National Center for Construction Education & Research (NCCER) four-year series of HVACR textbooks. Every student is required to obtain the required textbook(s) for the current year of enrollment. All books are available through the PHCC Academy of San Diego or available online.

### **TO APPLY**

Your application package must be returned to the PHCC Academy of San Diego office and contain the following:

- Signed Application for admission with all portions completed (all students)
- First tuition payment + text book fee(s), or full payment for 10% discount
- \$100.00 Enrollment Fee \*\* (incoming students only)
- \$ 50.00 Testing Fee (for incoming students only; waived for PHCC members, Military) \*\*
- Math Preparation Class Fee (if attending)

PHCC Members: \$ 79.00      |      Non-Members:    \$99.00

All Application Fees listed above must be paid no later than the first night of school by check or credit card, made payable to the PHCC Academy of San Diego.

**\*\*Nonrefundable**

PHCC Academy of San Diego | 9920 Scripps Lake Drive, #102, San Diego, CA 92131 | 858-693-3855 | [www.phccsd.org](http://www.phccsd.org)

# **JOURNEYMAN PLUMBING APPRENTICESHIP PROGRAM OUTLINE**

*Classes Start the Week of August 21, 2017*

## **PLUMBING FIRST YEAR**

Introduction to the plumbing trade, history and careers, common plumbing tools and materials, tool safety, trade mathematics, related sciences, introduction to blue print reading and sketching, fixture and fitting identification. Introduction to basic plumbing codes requirements, occupation safety practices and procedures, first aid, customer service and installation practices.

TBA

5:30 p.m. – 9:30 p.m.

## **PLUMBING SECOND YEAR**

Service and Repair problems and solutions, basic electricity and applications, residential and commercial fixtures installation, local UPC code applications, water, waste, gas, systems, job safety, review of customer relations, math, hands-on applications of commercial, residential, industrial and new construction. Introduction to welding, ladders and scaffolds, plumbing vents and sewage pumps.

TBA

5:30 p.m. – 9:30 p.m.

## **PLUMBING THIRD YEAR**

Isometric drawing, plan reading, sizing water, sizing gas, and sizing waste and vent. Installation practices both commercial and residential, tool use and methods, water heaters and venting blueprint and specifications, job pre-planning, productivity and profitability.

TBA

5:30 p.m. – 9:30 p.m.

## **PLUMBING FOURTH YEAR**

IAPMO Uniform Plumbing Code, California Code, plumbing heating systems, handicap requirements, earthquake valve and seismic requirements, plumbing curriculum review, Journey-Level exam.

TBA

5:30 p.m. – 9:30 p.m.

# **HVAC TECHNICIAN PROGRAM OUTLINE**

*Classes Start the Week of August 21, 2017*

## **HVAC FIRST YEAR**

Introduction to systems and major components, basic electricity, thermodynamics, basic refrigeration cycle, scheduled maintenance, systematic problem solving, basic installation and repair methods, compressors, refrigerants and lubrication, condensers, metering devices, refrigeration accessories, evaporators, evacuation and charging procedures.

Universal EPA 608 Refrigerant Certification.

TBA

6:00 p.m. – 9:30 p.m.

## **HVAC SECOND YEAR**

Heating, electrical, electrical troubleshooting, introduction to motors, cooling equipment, mechanical troubleshooting, advanced installation techniques, control systems, psychrometrics and basic sizing, servicing and troubleshooting systems, TAB, energy efficient mechanical systems, fluid handling systems, applied electrical problem solving, applied refrigeration system problem solving, troubleshooting with the psychrometric chart, cooling towers and evaporative condenser, commercial air conditioning and refrigeration systems, indoor air quality, energy efficient installations & selling and customer service. ICE Certification.

TBA

6:00 p.m. – 9:30 p.m.



# PHCC Academy of San Diego

## 2017—2018 Training Program Registration Form

**Must be 18 years of age to apply. High School Diploma or Equivalent Required.**

Name:	
Address:	City, State, Zip:
Phone:	E-mail:
Date of Birth: <input type="checkbox"/> Male <input type="checkbox"/> Female	Program: <input type="checkbox"/> Plumbing <input type="checkbox"/> HVAC
Veteran Status: <input type="checkbox"/> Veteran <input type="checkbox"/> Non Veteran	Class Year: <input type="checkbox"/> Year 1 <input type="checkbox"/> Year 2
Years of Education: <input type="checkbox"/> High School Diploma <input type="checkbox"/> G.E.D. <input type="checkbox"/> Trade School <input type="checkbox"/> College	
Race (optional): <input type="checkbox"/> African American <input type="checkbox"/> Asian <input type="checkbox"/> Caucasian <input type="checkbox"/> Hispanic <input type="checkbox"/> American Indian	
Emergency Contact:	Phone:
Sponsoring Company:	
Contact Name:	Contact E-mail:
Address:	City, State, Zip:
Phone:	Fax:
Current Pay Per Hour*:	Company License Number:
<input type="checkbox"/> Current PHCC Member <input type="checkbox"/> Currently Not a Member	<input type="checkbox"/> Bill Student Directly <input type="checkbox"/> Bill Sponsoring Company

\*is required by the Department of Labor

*The Plumbing-Heating-Cooling Contractors Academy of San Diego admits students of any race, color, national and ethnic origin to all the rights, privileges, programs, and activities generally accorded or made available to students at the school. It does not discriminate on the basis of race, color, national and ethnic origin in administration of its educational policies, admissions policies, scholarship and loan programs, and athletic and other school-administered programs.*

### STUDENT AND SPONSORING COMPANY

PLEASE READ CAREFULLY AND SIGN

#### As a Student in the PHCC Academy of San Diego, I certify that:

1. I am currently employed by a company with an active California Plumbing License (C-36) (not a requirement for HVAC Students).
2. **All classroom hours are required.** I will attend and report to all classes on time and remain for the duration of class.
3. I will make up all absences within 15 days of a missed class.
4. I will accurately complete my on-the-job training (OJT) sheets every day based on the work performed that day.
5. I will have my supervisor review and sign my OJT sheets at the end of each month. Then, I will submit my completed and signed OJT sheets to the PHCC office by the 15<sup>th</sup> of each month.
6. I will adhere to all rules and regulations of the training program.
7. Should I leave my sponsoring company during the current school year, I will immediately inform the admissions office. I understand that tuition for the full month is due regardless of the day I leave the program.

Signature of Student: \_\_\_\_\_

Date: \_\_\_\_\_

#### As the Sponsoring Company and/or Supervisor of a Student in the PHCC Academy of San Diego, I certify that:

1. My company holds an active and valid California Plumbing (C-36) and/or HVAC (C-20) License.
2. I currently employ the enrolling student.
3. **All classroom hours are required.** I will arrange the student's work schedule to permit regular on-time attendance of classes.
4. I will monitor the student's on-the-job training (OJT) progress.
5. I will review for accuracy and sign the student's OJT sheets at the end of each month.
6. I will abide by and enforce all rules and regulations of the training program.
7. I will notify the Academy in writing when a student ceases to be employed or is otherwise ineligible for continued company sponsorship. I understand that tuition for the full month is due regardless of the day the student leaves the program

Signature of Sponsor: \_\_\_\_\_

Date: \_\_\_\_\_





# 2017—2018 Student Registration

## PHCC Academy of San Diego

### Statement of Financial Responsibility

- ☐ I, \_\_\_\_\_, the Student, is financially responsible for payments to the PHCC Academy of San Diego as designated below.
- ☐ I, \_\_\_\_\_, the Sponsoring Company, is financially responsible for payments to the PHCC Academy of San Diego as designated below.

PLEASE READ CAREFULLY AND SIGN—THIS ESTABLISHES YOUR FINANCIAL RESPONSIBILITY

Financially Responsible Party is obligated for the payment of tuition and fees associated with the 2017-2018 Training Programs:

Tuition and Fees per Student	PHCC Member Rate	Open Fee Basis	Responsibility
<b>Full Tuition</b>	\$ 2,175.00	\$ 3,696.00*	
<b>10-Monthly Tuition Payments</b> (Billed Aug-May, due on the 10 <sup>th</sup> monthly)	\$ 217.50	\$ 369.60*	Student   Sponsor
<b>Year Paid-in-Full Discount – 10% off</b> (If received 10-days prior to start date)	\$ 1957.50	\$ 3,326.40*	Student   Sponsor
<b>Lab Fee – nonrefundable</b>	waived	waived	waived
<b>First Year Admissions Fee</b>	\$ 100.00	\$ 100.00	Student   Sponsor
<b>Required Textbook + UPC Book *</b>	\$125—\$400	\$125-\$400	Student   Sponsor

\*Discounted fees may be available for Military, and/or students without sponsor.

- I am responsible for all fees noted above for tuition and enrollment for current school year regardless of student attendance.
- In the event that [ I / student ] drop from the program, PHCC Academy of San Diego will continue to assess/charge tuition until a written notice from the responsible party is received, at which time the current month the student drops will be charged. No refunds are given after the first of the month, regardless of the date the student leaves the program.
- First month tuition plus textbook fees are due no later than the first night of class via cash, check or credit card.**
- For accounts over 60 days past due, the student will be suspended. A formal letter will be issued for notification to the student's responsible party. The student is not permitted to attend class until full payment is received. A valid credit card must remain on file for payment thereafter.
- Non-payment of tuition and fees will result in cancellation of student registration and withholding of further services, certifications and grades until all financial liabilities have been resolved. Outstanding debt will be reported to a credit bureau and additional collection costs, including attorney fees if litigation is necessary may be incurred.

**Check one for Financially Responsible Party:**    ☐ Sponsoring Contractor    ☐ Student

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_

\* Textbook fees vary by year and program, and will be available by 08/09/17. Students are free to use alternate sources to purchase books.

#### PAYMENT:

- ☐ Bill Monthly (Billed Aug-May, due on the 10<sup>th</sup> monthly)                      ☐ Bill Yearly (10% Discount Applies)
- ☐ Check (Payable to **PHCC Academy of San Diego**)

Credit Card Number: \_\_\_\_\_ Exp. Date: \_\_\_\_\_ CSV: \_\_\_\_\_

Name on Credit Card: \_\_\_\_\_

**Real Plumbers  
Know Their Trade**



**PLUMBING-HEATING-COOLING  
CONTRACTORS ASSOCIATION**

**Build Confidence  
Increase Knowledge  
Grow Sales**

**The Apprenticeship Program  
Will Take YOU There!!**

**[www.phccsd.org](http://www.phccsd.org)**  **858-693-3855**

**Return Completed Application to:**

*(Student & Sponsor Signatures are Required)*

**PHCC Academy of San Diego**

9920 Scripps Lake Drive, #102, San Diego, CA 92131

Phone: 858-693-3855 | Fax: 858-693-3852

Email: [Amber@phccsd.org](mailto:Amber@phccsd.org)

[www.phccsd.org](http://www.phccsd.org)