

P
R
O
S
P
E
C
T
I
V
E



2024



WELCOME TO PCD COLLEGE

About us:

Founded in 1999, PCD College aims to bridge the skills gap in South Africa by offering recognised qualifications and training programs empowering individuals to succeed in their chosen careers.

PCD College offers training in Plumbing, Electrical, Carpentry, Bricklaying & Solar studies according to SAQA standards.

PCD College is accredited by Construction CETA.

Our mission:

At PCD College, our mission is to empower individuals with the skills and knowledge necessary to succeed in the South African marketplace, delivering quality and excellence in every aspect of our training.

We are committed to:

- Equipping students with industry-relevant skills to secure decent livelihoods and contribute meaningfully to the economy.
- Exceeding client expectations through professional, cost-effective, and timely service.
- Upholding high standards and quality in all our programs, fostering a culture of excellence among students and staff.
- Embracing a WIN-WIN-WIN approach, prioritizing the success of our students, clients, and employees.
 - Guided by our 4 pillar values: **Quality, honesty, transparency & accountability.**

Our Vision Statement:

At PCD College, our aspiration is to be the premier training provider in the Plumbing and Electrical trades, renowned for delivering exceptional, personalised education. We aim to create an exclusive learning environment where every student feels valued and part of a distinguished Tradition.

BASIC PLUMBING COURSE

Cost : R7800

This introductory course is an 8-day theoretical course which covers the essential systems, tools and fittings of plumbing - Providing a solid foundation.

Time: 08:00 – 13:00

Requirements: Must be 16 years & older, be able to read & write in English.

Areas addressed in the course (can change if there are industry changes)

- Cold water
- Hot water systems are repaired.
- Geysers.
- Repair taps and valves.
- Install a washbasin, Shower, WC & Pedestal and bath.
- Water leaks are detected.
- Hidden pipe work traced.
- Inspect, maintain and repair soil and wastewater systems.
- Inspecting and maintaining drainpipes.
- Repairing drainpipes and fittings.
- Clearing of Blockages

Note:

This course is an introductory course & does not make you a qualified plumber.
(Basic skills development)

BASIC ELECTRICAL COURSE

Cost: R7800

This introductory course is an 8-day theoretical & practical course and serves as a foundational program, teaching you the essential skills and knowledge necessary to perform general electrical work.

Time: 08:00 – 13:00

Requirements: Must be 16 years & older, be able to read & write in English.

Areas addressed in the course (can change if there are industry changes):

- Identify symbols and components.
- Various types of switches are identified according to their symbols.
- Various types of protection devices are identified according to their symbols.
- Various types of control devices are identified according to their symbols.
- Various types of load devices are identified according to their symbols.
- Sketch a basic circuit diagram.
- Circuits are limited to:
- Single way switching, two ways switching, intermediate.

Note:

This course is an introductory course & does not make you a qualified electrician. (Basic skills development)

BASIC CARPENTRY COURSE

Cost: R7800

The Basic Carpentry course is a 10-day theoretical & practical course.

Time: 08:00 – 15:00.

Requirements: Grade 11 (NQF Level 3).

Areas addressed in the course (can change if there are industry changes):

- Health & Safety.
- Introduction to building industry.
- Reading and interpret basic building drawings: including, how to read dimensions and scales.
- Determine and transfer levels including Spir – Level – Water Level and Dumpy levels.
- Erecting and dismantling scaffolding including – Trestles and ladders.
- How to use and maintenance Basic Carpentry tools.
- Construct basic Joints.
- Fit and hanging of doors.
- Basic roof installations.
- Ceiling.
- Skirtings.
- Wall Panelling.
- Basic Carpentry.

Note:

This course is an introductory course & does not make you a qualified plumber.
(Basic skills development)

ADVANCED PLUMBING COURSE

Cost: R20 500

The Advanced Plumbing Course is a 6-week practical course.

Time: Monday-Thursday 08:00 – 16:00 Fridays: 08:00 – 12:00

Requirements: Must be 16 years & older, be able to read & write in English.

The program can be divided into manageable sections, and the days you do attend will be counted as equivalent to six weeks of full-time study.

Areas addressed in the course (can change if there are industry changes):

- Interpret basic building drawings
- Mark out and cut sheet metal
- Fit GMS gutters and rainwater pipes
- Some Sheet Metal works
- Cut, thread and assemble GMS pipework
- Repairs and alterations to existing GMS pipework
- Install a push-through geyser
- Install a high-pressure geyser
- Repair to and maintenance of taps and valves
- Repair to HP mains
- Recognition and installation of soil and waste systems
- Install a sink
- Install a washbasin
- Install a bath
- Install a bidet
- Install a shower
- Install a WC (Pedestal)
- Install a urinal (wall Hung)
- Recognition of below-ground drainage system etc.

Note:

This course is an introductory course & does not make you a qualified plumber.
(Basic skills development)

ADVANCED ELECTRICAL COURSE

Cost: R20 500

The Advanced Electrical Course is a 6-week theoretical & practical course.

Time: Monday-Thursday 08:00 – 16:00 Fridays: 08:00 – 12:00

Requirements: Must be 16 years & older, be able to read & write in English. The program can be divided into manageable sections, and the days you do attend will be counted as equivalent to six weeks of full-time study.

Areas addressed in the course (can change if there are industry changes):

- Instructions are interpreted according to work site procedures.
- Symbols used conform to ISO and IEC standards.
- The function of each component is understood and described correctly.
- Circuit diagrams are sketched neatly and symmetrically according to instructions.
- Circuit diagrams are functional according to instructions.
- Construct single-phase circuits.
- Relevant components are obtained according to diagram.
- Components are suitably and correctly connected according to diagram.
- Circuit is correctly connected to the power supply according to statutory requirements.
- Operation of the circuit is correct according to instructions.
- The reason for using overload protection is correctly stated.
- Complete task.
- Work area is cleaned in accordance with housekeeping standards.
- Ensure that tools are stored in their correct place in a accordance with work place practices and manufacturers specifications.
- Waste materials are disposed of according to work site procedures and statutory requirements and environmental standards.
- Documentation is completed in detail and submitted to meet work site standards and procedures
- Plan to wire and commission domestic or commercial circuits.
- Job instruction is interpreted, and a sequence of operation is determined.
- Applicable electrical drawings are correctly interpreted and selected to meet job requirements etc.

Note:

This course is an introductory course & does not make you a qualified electrician. (Basic skills development)

ADVANCED CARPENTRY COURSE

Cost: R20 500

The Advanced Carpentry Course is a 6-week course theoretical & practical course.

Time: Monday-Thursday 08:00 – 16:00 Fridays: 08:00 – 12:00

Requirements: Grade 11 (NQF Level 3).

Areas addressed in the course (can change if there are industry changes):

- Health, Safety, Quality and Legislation.
- Environment, Energy Efficiency and Ethics.
- Tools, Equipment, Materials and Workshop Practice.
- Drawings and Applied Sciences.
- Industry Contexts.
- Communication Theory.
- Carpentry Formwork and cutting.
- Shoring trenches/excavations.
- Partitioning/ceiling.
- Carpentry finishing.

Practical Skill Modules:

- Set out work area.
- Cut materials according to specifications using hand and power tools.
- Install structures.
- Fabricate erect and strip steel and timber formwork.
- Prepare and erect ceilings, roof trusses, partitions and panelling.
- Clad roof structures.
- Finish carpentry activities.

Note:

This course is an introductory course & does not make you a qualified electrician. (Basic skills development)

SOLAR WATER HEATER INSTALLER COURSE

Cost: R11 400

The purpose of this course is to prepare the learner to operate as a solar water installer, the course duration varies depending on whether you have a POE Portfolio of Evidence) or not:

- With a POE (Portfolio of Evidence) : 1 Month.
- Without a POE (Portfolio of Evidence): 2 Months – 6 Months.

Time: Monday-Thursday 08:00–13:00 (Theory)

Monday-Thursday 08:00–16:00 (Practical)

Fridays: 08:00–12:00

Requirements: Qualification as a Plumber.

Areas addressed in the course (can change if there are industry changes):

- Theory of water
- Solar water heating tools, equipment's, components.
- Solar water heating systems.
- Preparation, installation & maintenance theory of solar water heating systems.
- Plan & prepare for the installation of pipes & mounting of solar water heating systems.
- Read & interpret construction drawings & specifications.
- Instal pipes & pipe fittings.
- Mount & fit solar water heating system.
- Erect, use & dismantle access equipment for construction work.
- Prepare & plan for the installation of solar water heating systems in a safe & compliant environment.
- Instal solar water heating systems.
- Conduct maintenance & make repairs to solar water heating systems

HEAT PUMP INSTALLER COURSE

Cost: R11 400

The purpose of this qualification is to prepare a learner to operate as a heat pump installer, the course duration varies depending on whether you have a POE Portfolio of Evidence) or not:

- With a POE (Portfolio of Evidence) : 1 Month.
- Without a POE (Portfolio of Evidence): 2 Months – 6 Months.

Time: Monday-Thursday 08:00-13:00 (Theory)

Monday-Thursday 08:00 – 16:00 (Practical)

Fridays: 08:00 – 12:00

Requirements: Qualification as a Plumber.

Areas addressed in the course (can change if there are industry changes):

- Plan and prepare for the mounting of domestic air source heat pump systems.
- Read and interpret construction drawings and specifications.
- Handle, lift and position heat pump.
- Mount domestic air source heat pump system.
- Erect, use and dismantle access equipment for construction work.
- Prepare and plan for the installation of domestic air source heat pump systems in a safe and compliance environment.
- Install domestic air source heat pump systems.
- Conduct maintenance and make repairs to domestic air source heat pump systems.

SOLAR & PV COURSE

Cost: R60 500

The purpose of this part-qualification is to prepare the learner to operate as a Solar Photovoltaic (PV) Standalone System Mounter, this is a 1-year course.

Time: Monday-Thursday 08:00 – 13:30

Fridays: 08:00 – 12:00

Requirements: Qualification as an electrician.

Areas addressed in the course (can change if there are industry changes):

- Apply work health and safety regulations, codes, and practices in the workplace.
- Document and apply measures to control WHS risks associated with electrotechnology work.
- Fabricate, assemble, and dismantle utilities industry components.
- Fix and secure electrotechnology equipment.
- Lay wiring/cabling and terminate accessories for extra-low voltage (ELV) circuits.
- Solve problems in direct current circuits.
- Solve problems in multiple path extra-low voltage (ELV) a.c. circuits.
- Use drawings, diagrams, schedules, standards, codes, and specifications.
- Participate in electronics and communications work and competency development activities.
- Solve problems in direct current (d.c.) machines.
- Solve problems in magnetic and electromagnetic devices.
- Apply environmentally and sustainable procedures in the energy sector.
- Solve basic problems in photovoltaic energy apparatus and systems.
- Carry out basic repairs to renewable energy (RE) apparatus.
- Diagnose and rectify faults in renewable energy (RE) control systems.
- Solve problems in stand-alone renewable energy (RE) systems.
- Verify compliance and functionality of an extra-low voltage renewable energy installation

FULL OCCUPATIONAL QUALIFICATION (PLUMBER)

Cost: R60 500 per year

This full occupational qualification course is 3 years (practical & theoretical). Upon successful completion of this course, you will be awarded a recognised qualification as a skilled plumber, enabling you to pursue a rewarding career in the plumbing trade.

Requirements:

- Grade 11 passed with Maths & Science.
- NQF Level 3 qualification equivalent to N2 knowledge areas of Engineering Maths, Science and Building Drawings.
- Applicants without Grade 11 Maths and Science will need to undertake an additional year of study to bridge the gap. This will result in a four-year course duration, rather than the typical three-year program.

This course is accepted in South Africa and internationally once a conversion examination is done for the country that you want to go to, this is not done by PCD College.

Some areas of training :

- Understand and apply domestic central heating system installation and maintenance.
- Understand and apply domestic rainwater system installation and maintenance techniques.
- Apply Domestic above ground drainage system installation and maintenance techniques.
- Understand and apply domestic hot water system installation and maintenance techniques.
- Understand and apply domestic cold water system installation and maintenance techniques.
- Understand how to apply scientific principles within Mechanical Engineering Services • How to communicate with others within Building Services Engineering etc.
- Understand and carry out site preparation and pipework fabrication techniques for domestic areas, etc.

FULL OCCUPATIONAL QUALIFICATION (ELECTRICIAN)

Cost: R60 500 per year.

This full occupational qualification course is 3 years (practical & theoretical).
Upon successful completion of this course, you will be awarded a recognised qualification as a skilled electrician, enabling you to pursue a rewarding career in the electrical trade.

Requirements:

- Grade 9 passed with Maths & science
- Applicants without Grade 9 Maths and Science will need to undertake an additional year of study to bridge the gap. This will result in a four-year course duration, rather than the typical three-year program.

This course is accepted in South Africa and internationally once a conversion examination is done for the country that you want to go to, this is not done by PCD College.

Some areas of training :

Level 2 :

- Safety at work
- Materials
- Calculations, setting out and drawing.
- Practical skills

Level 3

- Safety at Work.
- Calculations, Setting Out and Drawing.
- Advanced Practical Skills.
- Communications and Information Technology.
- Alteration, Repair and Planned Maintenance etc.

(ARPL – RECOGNITION TO PRIOR LEARNING (PLUMBING & ELECTRICAL)

All candidates seeking access to a trade test / External Integrated Summative Assessment (EISA) through Artisan Recognition of Prior Learning must have:

- Completed a standardised official application form provided.
- Have accumulated at least three years relevant verifiable work experience for a particular trade.
- The minimum years of work experience may be accumulated from various traceable employers or services provided to customers in the relevant trade.
- The minimum age for a person to register for ARPL is nineteen.

Experience Requirement:

- A minimum of 3 years' experience in plumbing/electrical (approximately 36 months).
- A service letter on official company letterhead is essential, confirming:
 - Starting and end dates of employment.
 - Duties performed, listed in point form.
 - Signed by a manager.
- Any relevant quotations/invoices related to your work.
- Additional documentation substantiating your experience as a plumber/electrician.

Registration Process:

- Interview with assessor.
- Evaluation of POE.
- Candidate's practical & theoretical evaluation.
- Registration of EISA application.

PRE-TRADE PREPARATION FOR TRADE TESTING IN PLUMBING & ELECTRICAL

Cost: R7 800

This Course is specifically designed to get you ready for your trade test.
Two weeks per student.

We will do the following in you pre trade preparation:

- Test on standard
- Test on speed
- Assist on standard
- Assist on speed

You will refresh your knowledge on:

- Sheet Metal
- Copper Bending
- Drainage
- Hot Water
- Cold Water

**We are a NAMB approved Trade testing Centre for Plumbing and will perform the trade test for our candidates enrolled for this course for Plumbing.
Electrical candidates we assist to be trade tested externally.**



TRADE TESTS PLUMBING/ELECTRICAL

Cost: R3 100

Requirements:

Plumbing:

- Relevant Engineering NCV at NQF level 3 and a minimum of 3 years relevant Work experience; **or**
- Relevant engineering (NC(V) 4 Plus completion of all relevant work, experience, modules and minimum of 18 months relevant work experience; **or**
- Technical Grade 12 with Maths, Engineering Science and related trade, Theory subject and a minimum of 3 years relevant working experience; **or**
- Relevant (directly related to the trade theory subjects) N6 certificate; **or**
- National Technical Diploma (S or N stream) with 18 Months relevant work experience.

Electrical:

- N2 Certificate including the relevant trade theory subjects and a minimum of 3 years relevant working experience; **or**
- Relevant Engineering NCV at NQF level 3 and a minimum of 3 years relevant Work experience; **or**
- Relevant engineering (NC(V) 4 Plus completion of all relevant work, experience, modules and minimum of 18 months relevant work experience; **or**
- Technical Grade 12 with Maths, Engineering Science and related trade, Theory subject and a minimum of 3 years relevant working experience; **or**
- Grade 9 and a minimum of 4 years relevant work experience; **or**
- Relevant (directly related to the trade theory subjects) N6 certificate; **or**
- National Technical Diploma (S or N stream) with 18 Months relevant work experience

Learning to be in place before applying to perform the trade test:

- A minimum of 3 years' experience in plumbing/electrical (approximately 36 months).
- A service letter on official company letterhead (with company registration number & company VAT number) is essential, confirming:
 - Starting and end dates of employment.
 - Duties performed, listed in point form.
 - Signed by a manager.
 - Any relevant quotations/invoices related to your work.
- Additional documentation substantiating your experience as a plumber/electrician.
- 2 Certified copies of Identity Document.
- Proof of payment.

Note:
Certification is administered by Construction CETA & requires significant amount of time to complete.

Submission Requirements (Plumbing):

- A small Portfolio of Evidence (POE) file is necessary showcasing your 3 years of experience containing evidence such as:
 - installation and maintenance for various plumbing fixtures, including toilets, showers, drains, basins, baths, below-ground and above-ground drainage, and geysers.
 - Risk assessments and job cards for each task are required (template attached).
 - Additionally, please provide invoices and quotations for these jobs, along with evidence of communication with clients via email or messaging apps.

Submission Requirements Electrical:

- A Portfolio of Evidence (POE) showcasing your 3 years of experience, organized in a leather arch file, containing evidence such as (Proof of +/-10 pictures):
 - Risk assessments (Health and Safety)
 - Operation and maintenance of various equipment (e.g., pedestal drill, grinder, portable drilling machine)
 - Use of energy meters and electrical testing instruments
 - Installation tasks (e.g., connecting energy meters, measuring resistance, fitting plugs/wall sockets)
 - Other relevant skills and tasks will be a good advantage to your POE.



COURSE DATES 2024

Basic Plumbing 07:30 for 08:00:

- 29 Jan – 07 Feb
- 04 March -13 March
- 06 May – 15 May
- 08 July – 17 July
- 02 Sept – 11 Sept
- 18 Nov – 27 Nov

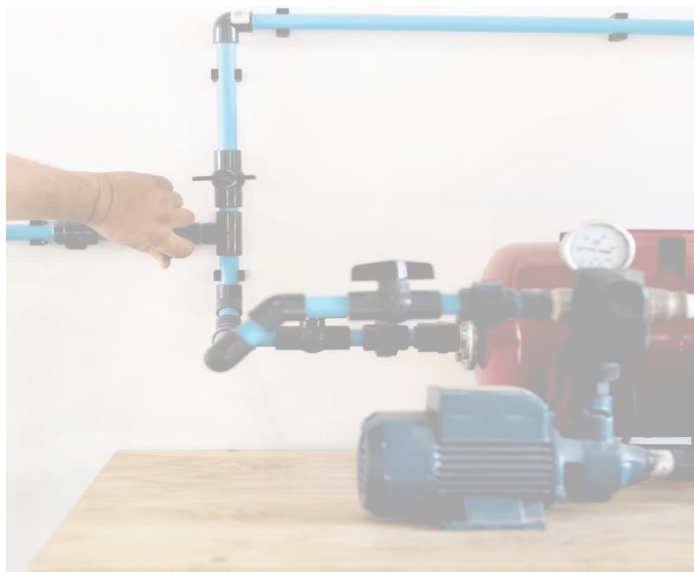
Basic Electrical 07:00 for 08:00 – 13:00

- 29 Jan – 07 Feb
- 11 March – 20 March
- 13 May – 22 May
- 15 July – 24 July
- 09 Sept – 18 Sept
- 25 Nov – 02 Dec

Advanced Plumbing & Electrical Courses: Starts the 15th of Jan 2024 and thereafter every Monday throughout the year.

National courses: Starts the 29th of January 2024 and thereafter every Monday throughout the year.
2nd & 3rd year students must be on site by 15 Jan 2024

ARPL Gap filling class dates on request.



ACCOMMODATION

Shared student accommodation is available at an additional fee.

Costs:

Basic – R4500
Solar Water – R6 500
Heat pump – R6 500
Solar PV – R6 500
Advanced – R13 500
National - R6 500
Pre-Trade - R1 150
Trade Test - R4 500


What is included:


- Meals are provided three times daily.
- Daily transportation between the hostel & the college/site is included.
- Laundry services.

For further information or support contact our offices directly.

Contact us:

 info@pcdc.co.za

 012 335 5793

 082 768 68 68

www.plumbingschool.co.za

 651 Veronica Street. Montana, Pretoria