



Plumbing Technology Certificate Program

The Plumbing Technology program is a comprehensive 2-year program designed to provide individuals with the skill to apply a broad range of plumbing principles. Through this course of study an individual will learn to install, repair and maintain a variety of piping systems, plumbing fixtures and other equipment generally associated with water distribution and wastewater disposal; and learn the basic principles and code requirements of typical plumbing systems. The program of study includes:

Program Duration: 2 years or 4 semesters

Prerequisites: Successful completion of secondary school study

Minimum Required Instructional Materials: 2008 Uniform Plumbing Code-India code book, 2008 Uniform Plumbing Code-India Illustrated Training Manual

Year One

Semester 1

	Proposed Course Title	Total hours	Teaching hours/week	Practical hours/week
1	Plumbing Terminology 1			
2	Intro to Codes and Standards			
3	Blueprint Reading 1			
4	Applied Math 1			
5	Pipe Installations			
6	Use and Care of Tools			
7	Soldering and Brazing			
	IPA Apprenticeship			

Semester 2

	Proposed Course Title	Total hours	Teaching hours/week	Practical hours/week
1	Applied Math 2			
2	Water Supply and Distribution			
3	Drainage Systems			
4	Sewer Systems			



5	Storm Drainage			
6	Plumbing Fixtures and Fixture Fittings			
	IPA Apprenticeship			

Year Two

Semester 1

	Proposed Course Title	Total hours	Teaching hours/week	Practical hours/week
1	Plumbing Terminology 2			
2	Indirect Wastes			
3	Vents			
4	Traps, and Interceptors			
5	Fuel piping			
6	IPA Apprenticeship			

Semester 2

	Proposed Course Title	Total hours	Teaching hours/week	Practical hours/week
1	Health Care Facilities & Medical Gas and Vacuum Systems			
2	Firestop Protection and Hydrant Systems			
3	Graywater Systems			
4	Backflow Prevention			
5	IPA Apprenticeship			

Required IAPMO Core Curriculum	
Instructor-led Seminars	Online Courses
2008 UPC-India Essentials	2008 UPC- India Virtual Workshop 1
2008 UPC- India Gas Pipe Sizing	2008 UPC- India Virtual Workshop 2



2008 UPC- India Drain, Waste, and Vents	Introduction to Plumbing
2008 UPC- India Water Supply and Distribution	
2008 UPC- India New Venting Methods	