

ITI Courses after 10th pass

1. Fitter



Description: As the name suggests, you will learn about fitting in this ITI course after 10th. The main areas on which Fitter works are the structure, pipe, and machine fitting. However, you will also learn about auxiliary structures, shafts, plate steels, hardware welding, etc. as a part of this course after 10th. This ITI Course has a huge job opportunity in private as well as government sectors.

ITI course after 10th Duration: 2 years (4 semesters)

ITI course after 10th Syllabus:

Topics in this ITI course	
• Importance of safety and precautions	• Grinding wheel
• Linear measurements	• Vernier Micrometer
• Calipers	• Dial Test Indicator
• Surface plate	• Lathe cutting screws
• Micrometer	• Lapping
• Vernier calipers	• Power Transmission
• Hand tools	• Washers
• Pipe and pipe fittings	• Foundation Bolts and many more

ITI course after 10th Job Aspects:

- The students can opt for higher studies like Diploma or Bachelors after this ITI Course in India.
- One can also opt to work in the private and government sectors.
- They can also work in various private sector industries like manufacturing companies, automobile industries, service industries, and public sector industries like BHEL, NTPC, etc.

ITI course after 10th Types of Jobs

- Fitter
- Welder
- Lathe Machine Operator

- Pipefitter
- Mechanical Fitter
- Machine Fitter
- Technician
- Trainer

2. Computer Operator and Programming Assistant (COPA)



Description: Computer Operator and Programming Assistant is a computer-related vocational trade. COPA deals with operating of the computer. In this ITI course after 10th, The students will learn about the uses of hardware systems, mini, and microcomputers, networks, controlling of single or group of mainframe computers, etc. They have a huge job opportunity in private as well as government sectors after completing this ITI Course.

ITI course after 10th Duration: 1 year (2 semesters)

ITI course after 10th Syllabus:

This ITI Course comprises of topics like

Topics in this ITI course	
• Computer Networks and Windows Operating Systems	• Image Editing
• Computer hardware basics and software installation.	• Cyber security
• Familiarization with DOS and Linux OS	• E-commerce
• MS-Word, PowerPoint	• Smart accounting
• Database management	• Web design concepts
• Internet concepts	• Networking concepts
• Designing of static webpages.	• Typing concepts and many more

ITI course after 10th Job Aspects:

- The students can opt for higher studies like Diploma or Bachelors.
- You will maintain and analyze computer operations and software development.
- One can also opt to work in the private and government sectors after completing this ITI Course in India.
- There is a wide scope of job opportunities in computer systems design and small scale computer operating jobs.

ITI course after 10th Types of Jobs:

- Computer Operator
- Inbound Call Operator
- Control Operator

- Data Entry
- Data Capture
- Workshop Assistant
- Customer Service Operations
- Trainee Service Desk

3. Civil (Draughtsman)



Description: Draughtsman prepares the plans and drawings of any buildings. They can also prepare a drawing of manufactured products like Spacecraft. To prepare a drawing manually, students use drafting tools, calculators, handbooks, tables, and computers. Now, many draughtsmen use CAD systems to prepare drawings. One can attain high accuracy by using this software. They have a huge job opportunity in private as well as government sectors after completing this ITI Course.

ITI course after 10th Duration: 2 years (4 semesters)

ITI course after 10th Syllabus:

This ITI Course comprises of topics like

Topics in this ITI course.	
• Building Material	• Prefabricated Structures
• Masonry	• Plumbing
• Soil & foundation	• Bridges
• Arches & Lintels	• Roads
• Roofs	• Railways
• Introduction to Theodolite and understanding of parts	• 2D, 3D with CAD
• Estimate	• Remote Sensing and many more

ITI course after 10th Job Aspects:

- One can work in Architectural & engineering firms for eg. Mittal sheet, Sasol, etc, construction companies, mining, Municipal Corporation, Contact drafting firms.
- You can also start your own business as an entrepreneur after completing this ITI Course.
- One can work as a piping, structural, architectural Assistant.
- The students can opt for higher studies in the field of arts after completing this ITI Course in India.

- **Types of Jobs:**
- Draughtsman- Piping
- Structural Draughtsman
- Architectural Assistant.

4. Mechanic (Diesel)



Description: Mechanic Diesel is a mechanic vocational trade. As a part of this ITI course after 10th, Students learn about different aspects of diesel engines. This ITI Course also involves activities like maintenance of diesel equipment, preventive maintenance requirements to correct vehicle deficiencies, completing inspections, etc. It also involves the proper keeping of records. Post completion of this ITI course after 10th, there are huge job opportunities in private as well as government sectors.

ITI course after 10th Duration: 1 year (2 semesters)

ITI course after 10th Syllabus:

It comprises of topics like

Topics in this ITI Course.	
• Introduction	• Introduction to engine
• Occupational safety & health	• Engine components, valves & valve trains
• Hand & Power tools	• Intake exhaust systems
• Fasteners	• Diesel fuel systems
• Drilling machines	• Emission controls
• Sheet metal	• Troubleshooting
• Fuses	• Auto industry and many more

ITI course after 10th Job Aspects:

- The students can opt for higher studies like Diploma or Bachelors after completing this ITI Course.
- One can have a scope in Auto-manufacturing companies, Assembly or Test Shops, Engine Repair shops.
- You can also start your own business as an entrepreneur after successfully completing this ITI Course.

ITI Course after 10th Types of Jobs:

- Autodiesle Engines Mechanic
- Mechanical, Auto fitter
- Laboratory assistant
- Spare parts sales assistant

5. Electrician



Description: ITI electricians focus on aspects like wiring, lighting, electrical machines, home appliances, electrical installations, etc. As a part of this ITI course after 10th, Students learn about installing & maintenance of heat, light, power, radio & signaling systems. This ITI Course also includes highway & street lightning traffic signals & other outdoor installations. They have a huge job opportunity in private as well as government sectors post completion of this ITI Course after 10th.

ITI course after 10th Duration: 2 years (4 semesters)

ITI course after 10th Syllabus:

This ITI Course comprises of topics like

Topics in this ITI course.	
• Trade tools	• Magnetism
• Fundamentals of electricity	• Resistance
• Safety & first aid	• Wiring Systems
• Ohm's law	• Earthing
• Kirchhoff's law	• AC current and many more
• Batteries & Cells	• Transformers

Job Aspects in this ITI course after 10th:

- The students can opt for higher studies like Diploma or Bachelors.
- One can also opt to work in the private and government sectors after completing this ITI Course.
- One can work as an electrician in MNCs.
- They also have a wide scope in Refineries, PWDs, MSEB after completion of this ITI Course in India.

ITI course after 10th Types of Jobs:

- Supervisor
- Wireman
- Lineman
- Technician
- Repair Expert

6. Paint Technology



Description: ITI course after 10th in Paint Technology is a general painting vocational Trade. Students learn about how to paint an interior or exteriors of a specific building, to mix and match the colors for the proper mixture. As a part of this course after 10th, they also learn about pre-coating agents, filling, leveling, and blueprints which are used in paintings. Job opportunities available in both the public and private sectors.

ITI course after 10th Duration: 2 years (4 semesters)

ITI course after 10th Syllabus:

This ITI Course comprises of topics like

Topics in this ITI Course	
• Introduction to Safety & Precautions	• Corrosion
• Carpentry	• Types of brushes
• Joints	• Dipping
• Sheet metal gauges	• Wall surface painting
• Introduction to elements of art	• Screen painting
• Stenciling	• Introduction to enamels
• Painting of Walls	• Introduction to airless and electrostatic spraying
• Varnish	• Applications and many more

ITI course after 10th Job Aspects:

- It has so many job opportunities in both public and private sectors after completion of this ITI Course.
- You can opt for higher studies like Diploma and Bachelors.
- You can set up your own business as an entrepreneur.
- After completing this ITI Course in India, one can also work as Contractors in various firms.

ITI course after 10th Types of Jobs:

- Wood Painter
- Senior Business Analyst
- Associate consultant
- 3D Texturing Artist
- Painter

7. Craftsman Food Production



Description: Craftsman is a food-producing trade. As a part of this ITI course after 10th, students learn about the various techniques of food production and preservation. General aspects of food are covered in this course. They are also taught on kitchens responsibilities that include functions, staff working in each department and their relations. There are many job opportunities in various sectors after completing this ITI Course in India.

ITI course after 10th Duration: 1 year (2 semesters)

ITI course after 10th Syllabus:

It comprises of topics like

Topics in this ITI Course	
• Safety Rules	• Meat Cookeries
• Aims & Objectives	• Beverages
• Classification of Raw Materials	• Hygiene
• Garnishes	• Bakery and many more

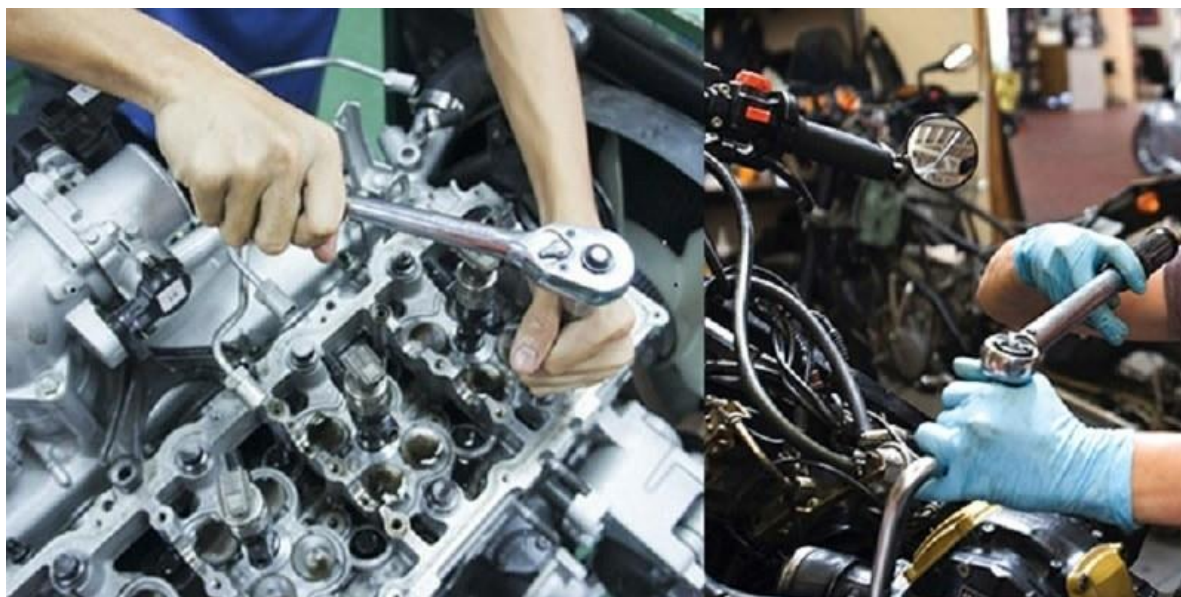
ITI course after 10th Job Aspects:

- You can opt for higher studies like Diploma and Bachelors for enhancing your knowledge.
- Students can work in Kitchens of Restaurants, Banquets, railways, hospitals, 5-star hotels, etc.
- Self-employment can also be considered after completing this ITI Course in India.

ITI course after 10th Types of Jobs:

- Sandwich Maker
- Skilled Knife Operative
- Cleaning Operative
- Food safety associate
- Kitchen Tea maker

8. Machine Tool Maintenance



Description: Machine Tool maintenance is a mechanical trade. As a part of this ITI course after 10th, students learn about topics such as finding errors or malfunctions in equipment and machinery. They also learn about handling tools like a drill, lathe, grinder, press to repair various parts of the machine. This ITI Course has many job opportunities in the public and private sectors.

ITI course after 10th Duration: 2 years (4 semesters)

ITI course after 10th Syllabus:

This ITI Course comprises of topics like

Topics in this ITI Course	
• Introduction to safety and precautions	• Belts
• Accidents	• Gear
• Basic fitting skills	• Lubrication
• Linear measurements	• Machine tool operations
• Vernier calipers	• Hydraulics
• Pedestrian grinders	• Pneumatics
• Fasteners	• Milling
• Types of nuts and bolts	• Introduction to electronics and many more

ITI course after 10th Job Prospects:

- One can work on repairing machinery, assembly of valves, accuracy of tools, assembly of dowel pins and bolts.
- They can also work in fields like lathe, shaper, maintenance of drilling, welding machinery, tool maintenance and work safety precautions.
- You can also start your own business as an entrepreneur after completing this ITI Course in India.

ITI course after 10th Types of Jobs:

- Brass finisher
- Mechanical Fitter
- Compressor attendant
- Mechanic tool maintenance
- Auto mechanical diesel

9. Welder



Description: It is also a mechanical vocational trade. The students will learn and improve their welding skills and techniques as a part of this ITI course after the 10th. The main role of Welders is to create metal structures using instruments like shaper and cutter. This ITI Course also involves the joining of two metal structures. It has many job opportunities in the public and private sectors.

ITI course after 10th Duration: 1 year (2 semesters)

ITI course after 10th Syllabus:

It comprises of topics like

Topics in this ITI Course	
• Importance of Welding	• Advantages of A.C and D.C machines
• Types Of Welding Process	• Study of different materials
• Applications	• Gas Electrodes
• Types of welding joints and its applications	• Classification of Steels
• Types of metal joining	• Pipe weldings and many more

ITI course after 10th Job Aspects:

- One can start their own company or shop in the form of self-employment.
- They have huge job opportunities in automotive industries, defense, aerospace, shipbuilding construction, etc.
- They also have a wide scope in both private as well as public sectors after completing this ITI Course in India.

ITI course after 10th Types of Jobs

- Welder & Fabricator Helper
- Welder
- Tack Welder
- Pipe Arc and Steel Welder
- Arc Welder

10. Plumber



Description: Plumber is a mechanical vocation trade. As a part of this ITI course after 10th, The students will learn about installing various systems, air conditioning units, bathroom fittings, fitting of domestic appliances, emergency repairs, etc. It also involves the proper maintenance of these systems. This ITI Course has various job opportunities in the public and private sectors.

ITI course after 10th Duration: 1 year (2 semesters)

ITI course after 10th Syllabus:

This ITI Course comprises of topics like

Topics in this ITI Course	
• Introduction	• Description of Pipe joints, types of pumps, materials
• Hand Tools	• Pipe Dies
• Types of pipes	• Bending Machines
• Types of Welding's	• Types of Joints
• Types of Traps	• Sensor Systems and many more

ITI course after 10th Job Aspect:

- One can become a Plumber contractor and can obtain a license from the Public Health Department
- They can also work in different areas like refrigeration and air conditioning, heating and ventilation, bathroom fitting, kitchen and gas servicing, etc.
- They can also work in various construction industries after completing this ITI Course in India.

ITI course after 10th Types of Jobs:

- Drainer
- Plumber
- Pipefitter
- Arc Plumber
- Roof Plumber

The students can approach a wide range of job opportunities after completing these ITI courses in India. Jobs in government workshops, NMC's, BHEL, etc. They can also pursue a Bachelor's Degree or Diploma post completion of these ITI courses after the 10th. The prime advantage of these ITI courses is that they enable individuals to start their own business early.

Top 10 ITI Colleges in India:-

- Govt Industrial Training Institute, Purulia
- Government Industrial Training Institute (Women/Mahila) Rae Bareilly
- Government Industrial Training Institute, Tiruchendur
- Government Industrial Training Institute (Women), Madurai
- Industrial training institute, Mandvi (Surat) (Government)
- Government Industrial Training Institute (Women), Namakkal
- Industrial Training Institute Sadhaura
- Government Industrial Training Institute, Trichy
- Salboni Government ITI
- Government Industrial Training Institute, Ulundurpet
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BEST ITI COLLEGES IN MAHARASHTRA –

- ITI Colleges in Ahmednagar
- ITI Colleges in Akola
- ITI Colleges in Amravati
- ITI Colleges in Bhandara
- ITI Colleges in Buldhana
- ITI Colleges in Chandrapur
- ITI Colleges in Dhule
- ITI Colleges in Gadchiroli
- ITI Colleges in Gondia
- ITI Colleges in Hingoli
- ITI Colleges in Beed
- ITI Colleges in Nashik
- ITI Colleges in Osmanabad
- ITI Colleges in Ratnagiri
- ITI Colleges in Sangli
- ITI Colleges in Satara
- ITI Colleges in Solapur
- ITI Colleges in Wardha
- ITI Colleges in Jalgaon
- ITI Colleges in Jalna
- ITI Colleges in Kolhapur
- ITI Colleges in Latur
- ITI Colleges in Nanded
- ITI Colleges in Nandurbar
- ITI Colleges in Parbhani
- ITI Colleges in Raigad
- ITI Colleges in Sindhudurg

- ITI Colleges in Thane
- ITI Colleges in Washim
- ITI Colleges in Yavatmal
- ITI Colleges in Pune
- ITI Colleges in Mumbai

MAIN TRADES (COURSES) OFFERED BY ITIS IN MAHARASHTRA

Draughtsman Civil

Draughtsman Mechanical

Electrician

Electronics Mechanic

IT and Electronics System Maintenance

Instrument Mechanic

Machinist Grinder

Mechanic Motor Vehicle

Radio and TV Mechanic

Radiology Technician

Refrigeration and Air Conditioner Mechanic

Surveyor

Tool and Die Maker

Fitter

Machinist

Painter

Turner

Wireman

Architectural Assistant

Auto Electrician

Automotive Body Repair

Automotive Paint Repair

Carpenter

Computer Hardware and Networking

Dent Beating and Spray Painting

Mechanic Diesel

Mechanic Tractor

Interior Decoration and Designing

Plastic Processing Operator

Plumber

Scooter and Auto Cycle Mechanic

Sheet Metal Worker

Steel Fabricator

Welder (Gas and Electric)
Baker and Confectionery
Commercial Art
Computer Operator and Programming Assistant
Craftsman Food Production
Cutting and Sewing
Desktop Publishing Operator
Digital Photography
Dress Making
Dress Designing
Embroidery and Needle Work
Fashion Technology
Health and Sanitary Inspector
Hair and Skin Care
Hospital House Keeping
Litho Offset Machine Minder
Office Assistant Cum Computer Operator
Secretarial Practice
Steno English
Steno Hindi
Steward
Call Centre Assistant
Corporate House Keeping
Data Entry Operator
Domestic House Keeping
Front Office Assistant
Event Management Assistant
Office Machine Operator
Tourist Guide

It is evident from the above list that ITI Colleges in Maharashtra are offering a wide variety of courses. These courses include – engineering, non-engineering and other short term courses.