

# Find Your Future!



## Construction Technology - Plumbing

The plumbing certificate is designed for students who want to focus solely on practical construction skills. Graduates are prepared for basic level plumbing positions in a residential setting.

## Construction Technology

Triton College has several options for Undergraduate and Certified programs in the field of Engineering Technology.

**Available 2-year grades include:**

- Construction technology

**Triton Certificates include:**

- Carpentry
- Plumbing

Construction technology combines a practical construction program with a technical study of the course. Students will receive hands-on training in trades such as carpentry, plumbing and electricity, as well as obtain engineering and construction skills to plan, organize, solve problems and communicate well in the execution of construction projects. Students will develop financial and business knowledge to become construction technicians. Construction technology allows students to specialize in their area of interest. Graduates could enter as project coordinators with contractors and engineers, construction departments, developers, and construction-related fields. The program is designed to provide students with the skills and course work needed to transfer to a four-year college or university if they wish.

# Can I See Myself Doing This?



Am I good with Things and Ideas?

## Start your Triton Plumbing Certificate in Construction Technology

	Course 1	Course 2	Course 3	Course 4
Course	<b>COT 107 Codes, Specifications And Print Reading</b>	<b>COT 111 Plumbing Fixtures, Valves &amp; Faucets</b>	<b>COT 210 Plumbing Fixture Installation</b>	<b>COT 211 Plumbing Fixture Repair</b>
Triton Credential	Construction Technology Degree			
	Plumbing Certificate	Plumbing Certificate	Plumbing Certificate	Plumbing Certificate

Assemble, install, or repair pipes, fittings, or fixtures of heating, water, or drainage systems, according to specifications or plumbing codes.

**Get started with skills in the Trades in your Junior and Senior years of high school with these courses required for the Plumbing Certificate at Triton College. All four of the above listed courses qualify for dual credit!**

Q: How does that help me?

A: This means you can request electives at Triton College that will:

1. Earn elective credit at your high school, AND
2. Earn college transcript credit at Triton, AND
3. Complete 4 courses towards a 7 course Certificate in Plumbing.
4. Complete a course towards Triton’s Construction Technology Degree.

**Ask your counselor about making space in your schedule to take dual credit classes that can help move you closer to your career goals!!**

**Are you ready to commit to building your future?**

## JOB ZONE

**Education**— Most occupations in this zone require training in vocational schools, related on-the-job experience, or an associate's degree.

**Experience**— Previous work-related skill, knowledge, or experience is required for these occupations. For example, an electrician must have completed three or four years of apprenticeship or several years of vocational training, and often must have passed a licensing exam, in order to perform the job.

**Training**— Employees in these occupations usually need one or two years of training involving both on-the-job experience and informal training with experienced workers. A recognized apprenticeship program may be associated with these occupations.

### Plumbers:

<b>EARNINGS</b> —	Entry	Median Annual	Experienced
	\$ 50,616.	\$93,065.	\$104,761.
Hourly	\$24.33	\$44.74	\$ 50.37

Source: This information is based on O\*NET data. O\*NET is a trademark registered to the US Department of Labor, Employment and Training Administration.

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## Technology

### Accounting software

- Bookkeeping software
- Intuit QuickBooks
- Intuit Quicken
- Job costing software  
KRS Enterprises Service First!

### Analytical or scientific software

- Elite Software DPIPE
- Elite Software FIRE
- Elite Software HSYM
- Elite Software Spipe
- Heat loss calculation software
- Klear Estimator
- Quote Software QuoteExpress

### Computer aided design CAD software

- Autodesk Building Systems
- Drawing and drafting software  
Elite Software Plumbing CAD

# What Will Your Story Be?

*“Whatever you are, be a  
good one.”*

*Abraham Lincoln*

*“Find something that  
captures your attention and  
go for it.”*

## Get Paid To Do What You Love!

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Credits: <https://careertech.org/architecture-construction>

<https://illinois.virtuallmi.com/vosnet/lmi/profiles/profileDetails.aspx?>

[session=occdetail&valueName=occupation&cbooccupation=47215202&cbooccupationTYPES=12&section=employmentWage](https://illinois.virtuallmi.com/vosnet/lmi/profiles/profileDetails.aspx?session=occdetail&valueName=occupation&cbooccupation=47215202&cbooccupationTYPES=12&section=employmentWage)



## Choose Your Career Path . . .

There are 16 Career Clusters in the National Career Clusters Framework, representing more than 79 Career Pathways to help students navigate their way to greater success in college and career! With so many options to consider, where do you start?

First, take a career assessment at your school, to help narrow down the choices that could be a great fit for you. Then start learning about those careers. What are the opportunities? The work environments?

Next, look at what kind of training you need to prepare for that career. Some positions offer on-the-job training. Others require some type of industry credential. Still others may require a post-secondary certificate or degree. What training do you need **to get the career you want?**

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### Employment Outlook

Employment of plumbers, pipefitters, and steamfitters is projected to grow 16 percent from 2016 to 2026, much faster than the average for all occupations.

#### Job Prospects

Overall job opportunities are expected to be good, and many plumbers, pipefitters, and steamfitters will be needed to replace those who are expected to retire over the next 10 years. Workers with knowledge of Building Information Modeling (BIM) should have the best job opportunities as integrated building-planning abilities increase in demand.

As with other construction workers, employment of plumbers, pipefitters, and steamfitters is sensitive to fluctuations in the economy. On the one hand, workers may experience periods of unemployment when the overall level of construction falls. On the other hand, shortages of workers may occur in some areas during peak periods of building activity.

#### **Personality**

##### **Dependability**

Job requires being reliable, responsible, and dependable, and fulfilling obligations.

##### **Attention to Detail**

Job requires being careful about detail and thorough in completing work tasks.

##### **Integrity**

Job requires being honest and ethical.

##### **Cooperation**

Job requires being pleasant with others on the job and displaying a good-natured, cooperative attitude.

##### **Initiative**

Job requires a willingness to take on responsibilities and challenges.