programsofstudy
DVR Region Career Development

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?**

Electricians - Install, maintain, and repair electrical wiring, equipment, and fixtures. Ensure that work is in accordance with relevant codes. May install or service street lights, intercom systems, or electrical control systems.

Employment of electricians is projected to grow 9 percent from 2016 to 2026, about as fast as the average for all occupations. Increases in construction spending and growing demand for alternative energy sources will drive demand for electricians.

Alternative power generation, such as solar and wind, is an emerging field that should require more electricians for installation. Increasingly, electricians will be needed to link these alternative power sources to homes and power grids over the coming decade. Employment growth stemming from these sources, however, will largely be dependent on government policy.

Job Prospects
Electricians who can perform many different tasks, such as electronic systems repair, solar photovoltaic installation, and industrial component wiring, should have the best job opportunities.

Employment of electricians fluctuates with the overall economy. On the one hand, there is greater demand for electricians during peak periods of building construction and maintenance. On the other hand, workers may experience periods of unemployment when the overall level of construction and maintenance falls.

Find Your Future!

Engineering Technology — Electrical

Triton College has several options for Degree and Certificate programs in the Engineering Technology field.

Available 2-Year Degrees include:
- Engineering Technology – Mechanical Design
- Engineering Technology—Mechatronics

Triton Certificates include:
- Engineering Technology—CAD Advanced
- Engineering Technology—Design
- Engineering Technology—Electrical
- Engineering Technology—Fabrication
- Engineering Technology– Mechatronics
- Engineering Technology—Welding

The Engineering Technology/Electrical Certificate program provides students with electrical skills in an industry setting. Students are taught electrical processes and safety such as OSHA general requirements for electrical work and equipment, electrical equipment, grounding, electrical standards and codes, electrical installation, and wiring. In addition, students will learn blueprints/schematics and specification reading, and other electrical processes needed for employability. Graduates will find entry-level employment as electrical technicians, industrial maintenance technicians, as well as apprentice level electricians, architecture, or journeymen.

Can I See Myself Doing This?

CareerClusters®
PATHWAYS TO COLLEGE & CAREER READINESS

Architecture & Construction

Am I good with Things and Ideas?

Start your Engineering Technology/Electrical Certificate

	Course 1	Course 2	Course 3	Course 4
Course	**ENT 104 Electricity Basic Fundamentals**	**ENT 201 Electrical Residential Wiring**	**ENT 202 Electricity Sustainable Applications**	**ENT 203 Electrical Codes and Standards**
Triton Credential	Engineering Technology/ Electrical Certificate	Engineering Technology/ Electrical Certificate	Engineering Technology/ Electrical Certificate	Engineering Technology/ Electrical Certificate

Electricians - Install, maintain, and repair electrical wiring, equipment, and fixtures. Ensure that work is in accordance with relevant codes. May install or service street lights, intercom systems, or electrical control systems.

Get Started with Engineering Technology in your junior and senior years of high school with these four courses required for the Engineering Technology—Electrical 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 6 course Certificate in Electrical, —while you are in high school!

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.

EARNINGS—	Entry	Median Annual	Experienced
	$57,741.	$87,925.	$95,520.
Hourly	$27.76	$42.27	$ 45.92

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.

Technology

Accounting software
- Turtle Creek Software Goldenseal

Analytical or scientific software
- Construction Master Pro
- Electrosoft FlashWorks
- Elite Software E-Coord
- Elite Software Inpoint
- Elite Software Outpoint
- Elite Software Short
- Elite Software VDROP
- Lighting calculation software
- SoftEmpire Electrical Calculations

Computer aided design CAD software
- Autodesk AutoCAD
- Computer aided design CAD software
- One Mile Up Panel Planner
- SmartDraw

Data base user interface and query software
- Database software

Credits
https://careertech.org/architecture-construction
https://illinois.virtuallmi.com/vosnet/lmi/profiles/profileSummary.aspx?session=occdetail&valueName=occupation&cbooccupation=47211100&cbooccupationTYPES=12

What Will Your Story Be?

"Whatever you are, be a good one."

Abraham Lincoln

Get Paid To Do What You Love!

I didn't research the different fields, so the one thing I want to say is, research what you want to be, to reach your goals!"