



# CE – Construction Electrician

**Construction Electricians** build, maintain, and operate power production facilities and electrical distribution systems for Naval installations. This is a 5 year enlistment program.

### What They Do

- installing, maintaining and repairing telephone systems and high and low voltage electrical power distribution networks, both overhead and underground;
- splicing and laying cables, erecting poles, stringing wires and installing transformers and distribution panels;
- installing, repairing and maintaining street lighting, fire alarm, public address, inter-office and telephone switchboard systems;
- installing, maintaining and repairing interior wiring for lighting and electrical equipment;
- working with batteries, electric motors, relays, solenoids and switches;
- operating electrical generators
- reading and interpreting blueprints and preparing sketches for projects;
- making estimates of material, labor, and equipment requirements.

### Working Environment

CEs may work in a variety of conditions, independently or as members of a large team. Their many different duties may be performed in climates ranging from tropical to arctic.

### Opportunities

Opportunities to enter the CE rating are excellent for highly qualified applicants. About 1,200 men and women work as Construction Electricians in the Navy.

### Qualifications and Interests

Construction Electricians must be proficient with tools, equipment and machines and **be able to climb to the top of a 35-foot wooden pole, using gaffs (metal spikes on climbing boots)**. The climber must attach a safety strap, circle 360 degrees both ways, disengage the safety strap and descend the pole within a six-minute time limit. The poles do not have steps or pegs. All CE's are required to use lineman's equipment to climb poles and towers. Other important qualifications include knowledge of algebra, a good memory, resourcefulness and curiosity. It is also important that they be able to do detailed work and repetitive tasks, and keep accurate records. They must be able to get along with people and work well as team members. Helpful characteristics include above speaking and writing skills and good physical condition. Normal hearing, color perception, and corrected vision to 20/20 are required.

### Earn College Credit



The American Council on Education recommends that semester hour credits be awarded in the vocational certificate and lower-division bachelor's/associate's degree categories for courses taken in this rating on office machines and general clerical procedures. To see the college credits available via a **Joint Service Transcript** for this rating:

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[https://www.cool.navy.mil/usn/jst/ce\\_jst.pdf](https://www.cool.navy.mil/usn/jst/ce_jst.pdf)

### **Career Path After Recruit Training**

Enlistees are taught the fundamentals of this rating through on-the-job training or formal Navy schooling. Advanced technical and operational training is available in this rating during later stages of career development.

School	Present Location	Approximate Training Time	Subjects	Training Methods
Class "A" Technical School	Sheppard Air Force Base, TX	Approximately 20 Weeks	Basic construction skills and theories required in the BU rating and basic combat skills	Group and individual instruction

Following completion of basic technical training, graduates can expect assignments to a Naval Mobile Construction Battalion (NMCB) in Port Hueneme, CA or Gulfport, MS, or to an Amphibious Construction Battalion (ACB) in San Diego, CA or Little Creek, VA. NMCB's operate on a rotating basis between homeport and overseas locations such as Spain, Okinawa or Guam. Seabees receive additional specialized combat and construction skills training during home port duty. Seabees construct buildings, roadways, utility systems and other shore facilities to support the Navy and Marine Corps operational and expeditionary forces worldwide.



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### Earn Department of Labor (DOL) Nationally Recognized Apprenticeships



The United Services Military Apprenticeship Program (USMAP) is a formal military training program that provides active duty and Full Time Support (FTS) Service members the opportunity to improve their job skills and to complete their civilian apprenticeship requirements while they are on active duty. The U.S. Department of Labor (DOL) provides the nationally recognized "Certificate of Completion" upon program completion. Visit United Services Military Apprenticeship Program (USMAP) for LS apprenticeships.

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<https://usmap.netc.navy.mil/usmapss/static/navyRates.htm>

### Earn Industry Recognized Credentials



Navy Credentialing Opportunities On-Line (Navy COOL) Navy COOL catalogs and defines comprehensive information on occupational credentials - including certifications, licenses, and apprenticeships - correlating with every Navy rating and some collateral duties. It provides "how to" instructions for pursuing these credentials, links to credentialing organizations, and cross-references to programs that help Sailors pay for credentialing fees. Shortly following the initial rating technical training (Class "A" technical school), Sailors may be able to take advantage of earning civilian/industry certifications & licenses (credentials), funded through Navy COOL. Visit the Navy COOL website to view these opportunities. See the link below.

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<https://www.cool.navy.mil/usn/enlisted/ce.htm>

### Manage a Navy Career with Navy LaDR (Learning and Development Roadmap)



To see the Navy LaDR (Learning and Development Roadmap) for this rating:

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[https://www.cool.navy.mil/usn/LaDR/ce\\_e1\\_e9.pdf](https://www.cool.navy.mil/usn/LaDR/ce_e1_e9.pdf)

### Earn Skill Sets Towards Civilian Related Occupations



The skill sets for this rating crosswalk to civilian related occupations listed by the U.S. Department of Labor. To see Related Civilian, Federal, and Military Sealift Command Occupations for this rating, see the link below.

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<https://www.cool.navy.mil/usn/enlisted/ce.htm>

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