



CTN – Cryptologic Technician (Networks)

Cryptologic Technician Networks branch

perform a variety of duties associated with computer network operations across global networks. A combination of technical and analytical computer network skills provides the situational awareness required to plan and execute information operations (IO) actions/ counteractions. Initial training is located in Pensacola, Florida

What They Do

- Providing technical expertise in network-centric operations.
- Detecting, protecting, reacting and responding to threats against Navy networks.
- Defend against external and internal threats through in-depth technical and non-technical methods.
- Computer Network Risk Mitigation
- Network Vulnerability Assessments and Incident Response/Reconstruction.
- Active computer network defense, access tool development and computer/network forensics.

Working Environment

CTNs work in secure office environments, operating, managing computerized Information processing systems and communications circuit control equipment. Normally, they are part of a watch teams. CTNs may be assigned special warfare units. Assignments, including shipboard duty, are available to females

Opportunities

About 600 men and women serve worldwide in the CTN rating. Advanced training in computer network operations, using state-of-the-art technology is readily available. Within a short period, today's CTN quickly develops highly marketable computer network skills.

Qualifications and Interests

CTMs must learn advanced computer, network, and electronic system troubleshooting methods based on complicated technical concepts. They must be resourceful, logical and possess an average degree of manual dexterity and be of exceptional character. Applicants must be U.S. citizens and meet eligibility requirements for continuous access to sensitive compartmented information (SCI). Eligibility for a top secret clearance is determined by the

results of a Single Scope Background Investigation followed by a reinvestigation every five years. Normal color perception and normal hearing are required.

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	Pensacola, FL	Approximately 23 weeks	Basic communication and computer/network theory; Communication techniques and platforms, basic network configuration; Communication troubleshooting theory and techniques; Cryptographic equipment operations; Communication security.	Group, computer assisted, and individual instruction with live application and technical lab scenarios
Class "C" Technical School	Pensacola, FL	7 weeks	Personnel will detect, react, and recover from disruption, denial, degradation or destructive attack against computers and computer networks. Identify and extract digital intelligence from multiple layers of computer protocols containing various types of digital information conveyed over multiple transmission technologies.	Group, computer assisted, and individual instruction with live application and technical lab scenarios

After "C" school graduates may expect assignments worldwide, with duty stations throughout the continental United States, Hawaii. CTNs have opportunities to be assigned to afloat staffs, direct support and shore based commands. There are limited opportunities for assignment to special warfare commands. All assignments are equally available to men and women. Normal tour of duty is three years.



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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/ctn_jst.pdf

Earn Department of Labor (DOL) Nationally Recognized Apprenticeships



USMAP

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.

CTN

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

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



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

CTN

https://www.cool.navy.mil/usn/LaDR/ctn_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/ctn.htm>

Revised: 1/17