



CTT – Cryptologic Technician (Technical)

Cryptologic Technician Technical branch

perform a variety of specialized duties associated with the collection and processing of airborne, shipborne, and land-based radar signals. They operate electronic intelligence receiving and direction finding systems, digital recording devices, analysis terminals, and associated computer equipment. Systems they operate produce high-power jamming signals used to deceive electronic sensors and defeat radar guided weapons systems. Additionally, intelligence derived from collection and processing update national databases which are crucial to tactical and strategic units throughout the world. Initial training is located in Pensacola, Florida.

What They Do

- operating sophisticated collection and analysis systems on surface, subsurface, and airborne platforms, as well as at shore locations worldwide;
- providing tactical support and Indications and Warnings (I&W) of emerging and potential threats against Naval units.
- working with highly classified and technical material in support of national security;
- tracking surface and airborne targets of interest to determine defensive maneuvers and tactics in case of attack;
- operating electronic detection and deception systems;
- operating state-of-the-art electronic receivers, signal modifiers, digital recording devices and associated peripherals in collection of airborne, shipborne, and land-based radar signals;

- performing in-depth technical analysis of radar signals/systems to produce technical reports and briefs for operational facilities in the United States, Hawaii, Japan, Spain, Great Britain, Australia, and various remote sites throughout the world;
- creating and maintaining technical databases used by local and national level agencies.

Working Environment

CTT functions are performed in clean, orderly, air-conditioned spaces, with little supervision. Personnel in the CTT rating normally work with other intelligence and cryptology specialists on tasks that require more mental than physical effort.

Opportunities

For those choosing to make a career of the Navy the CTT rating offers a diverse and exciting career path including high-profile intelligence collection and reporting, instructing at shore commands, and managing operational facilities. A relatively small and elite community, approximately 3,000 men and women work within the CTT rating. CTTs also learn computer and intelligence processing skills that transfer directly to the civilian job market. They utilize computer databases extensively to analyze electronic intelligence. The security clearance required to enlist as a CTT assists in attaining civilian jobs that demand a high level of trust.

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 8 weeks	Radar system theory and fundamentals of operation; electronic intelligence analysis; operation of specialized analog and digital collection devices; operation of radar analysis equipment; radio-wave modulation principles; automated data processing and reporting systems and methods; computer operations; security procedures	Group and individual instruction with live application using computer simulated scenarios
Class "C" Technical School	Pensacola, FL	7-10 weeks	Shipboard, submarine and airborne digital collection devices and operation of radar analysis equipment	Group and individual instruction

Following completion of basic technical training, graduates may expect assignments worldwide, with duty stations throughout the continental United States, Europe, Hawaii, and the Western Pacific. CTTs may be assigned to ships, aircraft squadrons, subsurface platforms, Naval Special Warfare (NSW) and various shore based commands throughout the world. All assignments are available to women except subsurface platforms and limited assignments with NSW.



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Qualifications and Interests

Due to the nature of duties performed, applicants for CTT must be of exceptionally good character. Applicants must be U.S. citizens and meet eligibility requirements for continuous access to classified information. Eligibility for a top-secret clearance is determined by the results of a Single Scope Background Investigation. Other important qualifications include, resourcefulness, curiosity, a good memory, an aptitude for mathematics, the ability to work in a dynamic environment and combine various sources of information into a coherent picture. Normal hearing, speech, sight and color perception is 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/ctt_jst.pdf

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/ctt.htm>

Download the Navy COOL App:

Navy COOL App (iOS):

<https://itunes.apple.com/us/app/navy-cool/id1053982994?ls=1&mt=8>

Navy COOL App (Android):

<https://play.google.com/store/apps/details?id=com.tracen.navycool>

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/ctt_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/ctt.htm>

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