

Cryptologic Technician Technical (CTT)



Advanced Electronics Field (AEF) Program

CTTs in the Advanced Electronic Field (AEF) repair and conduct preventive maintenance on computer-controlled electronic equipment used for detection, analysis, and identification of radar emissions. They also perform duties as equipment operators, conducting 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 and maintain 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.

The minimum active duty enlistment obligation is six years. CTT AEF students receive up to an additional ten months of advanced electronics and computer training compared to School Guarantee (SG) CTTs.

Enlistees enter Recruit Training Command (RTC) as E-1s (seaman recruits). AEF CTT recruits are advanced to E-2 (seaman apprentice) after successful completion of recruit training. Advancement to E-3 is contingent upon completion of all advancement-in-rate requirements (including minimum time-in-rate). CTTs maintaining eligibility in the AEF program are awarded accelerated advancement to E-4 after successful completion of their "A" and "C" schools if all advancement-in-rate requirements are complete. CTTs that qualify are outstanding candidates for officer accession programs including Seaman to Admiral, Limited Duty Officer, Warrant Officer, and the Enlisted Commissioning Program.

What they do

The duties performed by AEF CTTs include:

- Operating, repairing, and maintaining electronic detection / deception systems;
- the first line of defense against inbound threats and anti-ship missiles for deployed units;
- tracking surface and airborne targets of interest to determine defensive maneuvers and tactics in case of attack;
- 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;
- creating and maintaining technical databases used by local and national level agencies.
- providing electronic intelligence support to commands throughout the world;
- working with highly classified and technical material in support of national security;

Credit Recommendations.

The American Council on Education recommends that semester hour credits be awarded in the associate/bachelor degree and vocational certificate categories on electronics, system maintenance, circuit theory, and

Career Path After Recruit Training

Enlistees are taught the fundamentals of this rating through formal Navy schooling. Advanced technical and operational training in these ratings are available during later stages of career development.

School	Present Location	Approximate Training Time	Subjects	Training Methods
CTT Preparatory School	NATTC Pensacola, FL.	Approximately 5 weeks	Basic electricity and electronics, and electronics technology	Group-paced classroom and lab instruction
Class "A" Technical School (SG)	CID 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/D" Technical School (CTT Technician)	CID Pensacola, FL.	17 – 28 Weeks	Electronic Warfare System Maintenance	Group, individual instruction and laboratory

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.

applied mathematics. The overall credit received depends on the college, degree program, accumulated training, and current pay-grade.

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, and 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.

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.

Career Opportunities.

For those choosing to make a career of the Navy, The CTT ratings offer 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.

Related Civilian Jobs-Department of Labor Dictionary of Occupational Titles:

Electronics Technician;
Electronic Equipment Repair Technician;
Electromechanical Technician;
Electronics Mechanic;
Writer, Technical Publications;
Electronic Intelligence Operations Specialist;
Intelligence Specialist;
Computer Operator;
Supervisor, Computer Operations;
Quality Assurance Analyst;
Database Administrator;

Since Navy programs and courses are revised at times, the information contained on this rating card is subject to change.

(Revised 01/08)