CTT – Cryptologic Technician (Technical) Advanced Electronics Field Program (AEF) Program

Cryptologic Technician Technical branch CTTs in the Advanced Eletronic 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

- 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.

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.

<table>
<thead>
<tr>
<th>Career Path After Recruit Training</th>
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<tbody>
<tr>
<td>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.</td>
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<table>
<thead>
<tr>
<th>School</th>
<th>Present Location</th>
<th>Approximate Training Time</th>
<th>Subjects</th>
<th>Training Methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>CTT Preparatory School</td>
<td>Pensacola, FL</td>
<td>Approximately 9 weeks</td>
<td>Basic electricity and electronics, and electronics technology</td>
<td>Group paced classroom and lab</td>
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<tr>
<td>Class “A” Technical School</td>
<td>Pensacola, FL</td>
<td>Approximately 12 weeks</td>
<td>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</td>
<td>Group and individual instruction with live application using computer simulated scenarios</td>
</tr>
<tr>
<td>Class “C” Technical School</td>
<td>Pensacola, FL</td>
<td>17-20 weeks</td>
<td>Electronic Warfare System Maintenance</td>
<td>Group and individual instruction</td>
</tr>
</tbody>
</table>

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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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.

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 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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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 CTT apprenticeships.

CTT
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.

CTT
https://www.cool.navy.mil/usn/enlisted/ctt.htm

Download the Navy COOL App:
Navy COOL App (iOS):
Navy COOL App (Android):
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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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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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