

CRYPTOLOGIC TECHNICIAN

Serving as specialists in cyber communications



AMERICA'S
NAVY
FORGED BY THE SEA

CRYPTOLOGIC TECHNICIAN



Analyzing encrypted electronic communications. Jamming enemy radar signals. Deciphering information in foreign languages. Maintaining the state-of-the-art equipment and networks used to generate top secret intel. This is the highly specialized work of those in the Navy Cryptologic community.

JOB DESCRIPTION



When it comes to sensitive military communications, the continuous battle is to keep one's information concealed and protected while simultaneously exposing and deciphering that of the enemy. The general role of a Cryptologic Technician (CT) in the Navy is to help maximize operational integrity and situational awareness by collecting, analyzing and reporting on communication signals using computers, specialized computer-assisted communications equipment and video display terminals. It's a highly secretive job that is carried out by different types of CTs with advanced training in specific areas of cryptology.

Serving as Enlisted Sailors (high school diploma or equivalent required), Navy Cryptologic Technicians are part of the Information Warfare Community (IW) – a group of highly specialized information experts fully integrated across surface, subsurface, air, space and cyberspace domains. With shared functions, capabilities

and resources, IW members leverage their skills to optimize decision making and to maximize the use of sensors, weapons, network communications and control systems for purposes of national security and warfighting.

SPECIFIC RESPONSIBILITIES

Within Navy Cryptology, there are distinct focus areas that have their own training paths and job descriptions. Depending on your interests, you could pursue opportunities centered around any of the following specializations: Interpretive, Technical, Networks, Maintenance or Collection. Each CT role works under the oversight of Information Warfare Officers (four-year degree required) or Cyber Warfare Engineers (four-year degree required) – and potentially both.



Cryptologic Technician Interpretive (CTI)

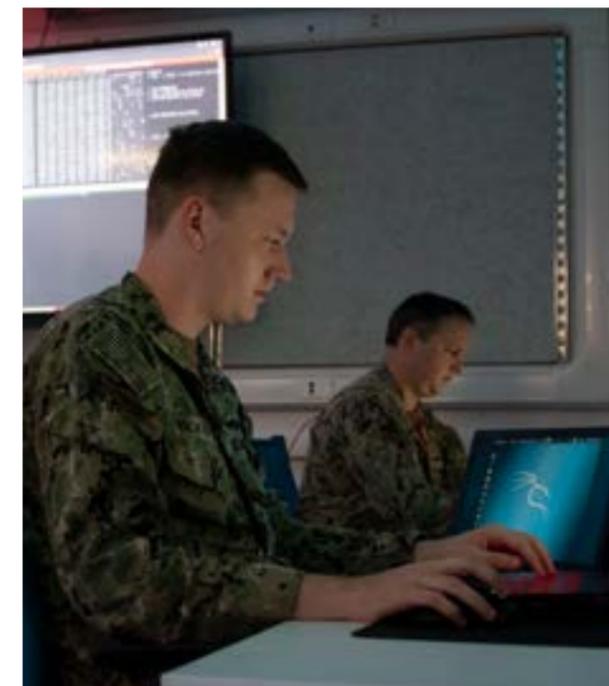
CTIs serve as experts in linguistics (including Arabic, Chinese, Korean, Persian-Farsi, Russian, and Spanish) and deciphering information in other languages. Primarily, their responsibility is to collect, analyze and exploit foreign language communications of interest to identify, locate and monitor worldwide threats; transcribe, translate, and interpret foreign language materials and prepare time-sensitive tactical and strategic reports; and provide cultural and regional guidance in support of Navy, Joint Force, national and multi-national needs.

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Cryptologic Technician Technical (CTT)

CTTs serve as experts in airborne, shipborne and land-based radar signals. Primarily, their responsibility is to operate electronic intelligence receiving and direction-finding systems, digital recording devices, analysis terminals and associated computer equipment; operate systems that produce high-power jamming signals used to deceive electronic sensors and defeat radar-guided weapons systems; and provide technical and tactical guidance in support of surface, subsurface, air and special warfare operations.



Cryptologic Technician Networks (CTN)

CTNs serve as experts in communication network defense and forensics. Primarily, their responsibility is to monitor, identify, collect and analyze information; provide computer network risk mitigation and network vulnerability assessments and incident response/reconstruction; provide network target access tool development; conduct computer network operations worldwide in support of Navy and Department of Defense missions.



Cryptologic Technician Maintenance (CTM)

CTMs serve as experts in the preventative and corrective maintenance of sophisticated cryptologic equipment, networks and systems. Primarily, their responsibility is to install, test, troubleshoot, repair or replace cryptologic networks, physical security systems, electronic equipment, antennas, personal computers, auxiliary equipment, digital and optical interfaces and data systems; and configure, monitor and evaluate Information Operations (IO), Information Warfare (IW) systems and Information Assurance (IA) operations.

Cryptologic Technician Collection (CTR)

CTRs serve as experts in intercepting signals. Primarily, their responsibility is to collect, analyze and report on communication signals using computers, specialized computer-assisted communications equipment, video display terminals and electronic/magnetic tape recorders; exploit signals of interest to identify, locate and report worldwide threats; and provide tactical and strategic signals intelligence, technical guidance, and information warfare support to surface, subsurface, air and special warfare units. CTRs could also be assigned duties as fusion analysts – a role that involves taking intelligence data from multiple sources, effectively “piecing together the puzzle,” and generating a coherent intelligence product report to be used by decision makers.

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MAINTAINING SUPERIORITY IN THE INFORMATION AGE

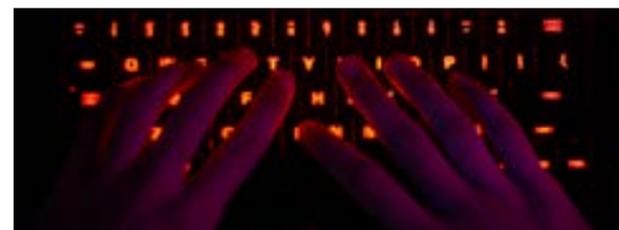
Information & Technology

In a highly networked world, information is everywhere – easier to access and increasingly exploitable. Today's technological advancements make information both a formidable weapon and a constant threat – to the point that it has evolved into a type of warfare all its own. With this in mind, America's Navy has the **Information Warfare Community** – a community charged with mastering the capabilities, tools and techniques required to effectively collect, process, analyze and apply information.

Gathering data through sources ranging from advanced cyberspace operations to unmanned surveillance systems. Converting data into effective and actionable intelligence. Maintaining cutting-edge communications networks that effectively share and safeguard information. It's all part of the mission for those who serve in the professional areas of information and technology in America's Navy – for those warriors who do battle within the cyberspace domain and the electromagnetic spectrum.

Made up of both Enlisted Sailors and Officers, IW members specialize in information-intensive fields that include **Information Management, Information Technology, Information Warfare, Cyber Warfare, Cryptology, Intelligence, and Meteorology & Oceanography**. Collaboratively, they develop and defend vital intelligence, networks and systems. Managing the critical information that supports U.S. Navy, Joint and national warfighting requirements. Maintaining the Navy's essential technological edge.

Visit [facebook.com/NavyCryptologyAndTechnology](https://www.facebook.com/NavyCryptologyAndTechnology) to ask questions. Get answers. And connect with others just like you.



WORK ENVIRONMENT

Cryptologic Technicians perform a variety of duties worldwide, at numerous overseas and stateside shore commands, aboard surface ships, aircraft and submarines, and with Naval Special Warfare – generally dividing time between assignments ashore and afloat. Duties could be performed in an office setting, lab-type setting, specialized maintenance shop, secure space or watch environment. Responsibilities may involve working closely with others or operating independently with little supervision.

As a CT, you may work independently or as part of small, coordinated teams – ultimately under the supervision of Information Warfare Officers (four-year degree required) or Cyber Warfare Engineering Officers (four-year degree required).

The specific working environment will vary depending upon specialization area within the field of cryptology. Contact a recruiter for details.

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READY TO TAKE THE NEXT STEPS?



Once you're inspired, better informed and seriously interested, here's how to proceed:

1. TALK TO YOUR RECRUITER

- Find a local recruiter at navy.com/locator
- Ask questions
- Discuss your long-term goals
- Review your qualifications
- Go over relevant financial incentives and bonuses

2. APPLY FOR THE POSITION

- Go to navy.com/apply, follow the link at the bottom and complete the online application
- Provide personal information that includes your birth certificate, social security card and professional details (if applicable)
- Take the Armed Services Vocational Aptitude Battery (ASVAB) to help assess your skills and interests
- Pass a full medical examination
- Participate in a precommitment interview
- Take the Defense Language Aptitude Battery (DLAB) test

3. BEGIN YOUR TRAINING

- Attend Boot Camp in Great Lakes, Illinois (7 to 9 weeks)
- Get advanced skills training at a Navy "A" School (time varies depending on specialty)
- From there, you're ready to start serving as a Sailor and respected professional

TRAINING AND ADVANCEMENT

Upon completion of initial 7–9 week Recruit Training (known as Boot Camp), those pursuing a Cryptologic Technician role report to either Pensacola, Fla., or Monterey, Calif., to receive formal Navy schooling in their specialty area within the field of cryptology. This consists of technical "A" School and possibly advanced "C" School or "F" School.

CTI training

Class "A" School is broken into two phases. Phase One, depending on the language, is anywhere from 27 to 64 weeks in duration. Schooling takes place at the Defense Language Institute, Monterey, Calif. Phase Two, depending on the language, is 12 weeks long. Class "F" School is conducted at the Regional Center for Excellence.

CTT training

Class "A" School is approximately 17 weeks long. After "A" school, some CTTs will attend a Class "C" School that is approximately 26 weeks in duration. The schools are located in Pensacola, Fla.

CTN training

Class "A" School is 26 weeks long and located in Pensacola, Fla.

CTM training

Class "A" School is approximately 10 weeks in duration and located in Pensacola, Fla.

CTR training

Class "A" School is approximately 22 weeks long. The school is located in Pensacola, Fla.

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TRAINING AND ADVANCEMENT (CONT.)

In the course of service, specialized training received could lead to credentialing, certification, licensure and/or apprenticeship opportunities from a number of national boards and organizations. Promotion opportunities are regularly available but are competitive and based on performance.

To learn more about the specific training path for any of the focus areas within the field of cryptology, contact a recruiter for details.



SERVICE OPTIONS

Active Duty Sailors serve full-time.

This allows you to take full advantage of the available career and leadership opportunities. Enjoy the broad range of benefits. And experience incredible possibilities for travel and adventure.

Reserve Sailors serve part-time.

This way you can maintain a civilian career while serving as few as two days a month and two weeks a year. With opportunities for additional service and pay. Additionally, you'll have the possibility of flexible drilling options to better meet service requirements. While enjoying many of the same advantages and benefits of full-time service.

EDUCATION OPPORTUNITIES

Not all Enlisted careers require skill training, but for those that do, advanced training begins at one of 12 "A" Schools located throughout the country. Through extensive classes and on-the-job training, there you will learn the fundamentals of your chosen field. You could even earn an associate or bachelor's degree.

Rest assured that while you're at "A" School, you won't always be in class or studying. You will have some free time after classes and on weekends to check out the area and take part in activities. You may get the chance to see where the first English settlers landed in Dahlgren, Va., or enjoy some fresh seafood in Bethesda, Md. Or you could swim with the dolphins in Panama City, Fla.; play golf in Pensacola, Fla.; or explore the world-famous San Diego Zoo.



PAY RANGE

Cryptologic Technicians are rewarded with excellent benefits – including competitive pay that's dependent upon rank or rate and years in service. Like most positions, your increase in rate and rank is earned. Promotions depend upon your performance and time in service.

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BENEFITS



When it comes to financial advantages, the Navy amounts to much more than a competitive paycheck. As a Sailor in the Navy, you can look forward to:*

- Supplemental/bonus pay
- Foreign Language Proficiency Pay
- Scheduled pay raises and regular promotions
- Postgraduate education, fully funded by the Navy
- Post-9/11 GI Bill – funding for you or your family to use for school
- 30 days' vacation with pay earned every year
- Outstanding retirement benefits, plus a 401(k)-like thrift savings plan
- Comprehensive medical and dental coverage
- Tax-free allowances for housing and meals
- Tax-free shopping privileges at military stores
- Free or low-cost travel opportunities
- Access to military bases, clubs and recreational facilities all over the world
- 100% tuition assistance while serving
- Credentials/Certifications through Navy Credentialing Opportunities On-Line (Navy COOL)

***Benefits and training vary for Navy Reserve service. Contact a Navy Reserve Recruiter for details.**

QUALIFICATIONS

A high-school diploma or equivalent is required to become an Enlisted Sailor in the cryptology field in the Navy. Those seeking a Cryptologic Technician position must be U.S. citizens who can meet eligibility requirements for a Top Secret/Sensitive Compartmented Information security clearance. They should have an interest in advanced electronics and technology; exceptionally good character; good speaking, writing and record-keeping skills; a good working aptitude of math; and the capability to do highly detail-oriented, highly classified work. Specific qualifications vary depending upon specialization area within the field of cryptology. Contact a recruiter for details.

AFTER THE NAVY

The world-class training and expertise you gain as a Cryptologic Technician, coupled with your security clearance, may prepare you for a wide range of federal jobs. Depending on your specialization area, this could include opportunities within the U.S. Intelligence Community, and potential employment with the Central Intelligence Agency (CIA), Federal Bureau of Investigation (FBI) or National Security Agency (NSA). Depending upon your specific background, other excellent career opportunities in the civilian sector could include work as a Computer Systems Analyst, Computer Programmer, Computer and Information Systems Manager, Database Administrator, Network and Computer Systems Administrator, Intelligence Analyst, Operations Manager, Linguist or Translator.

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