



CTM – Cryptologic Technician (Maintenance)

Cryptologic Technician

Maintenance branch offers a career in the installation, configuration, diagnosis, and repair of state-of-the-art electronic, computer, and network hardware and software systems.

Obligation: A School guarantee requires an active duty obligation of four years. **Enlistees** enter as E-1s (seaman recruits). **Advancement:** Advancement to E-2 (apprentice within a rating) will be made after successful completion of recruit training and completion of all advancement in rate requirements (including minimum time in rate). Advancement to paygrade E-3 (seaman) will be made after completion of all advancement-in-rate requirements (including minimum time in rate). Advancement to paygrade E-4 (petty officer third class) will be made after successful completion of initial school training and after all advancement-in-rate requirements (including minimum time in rate) are completed.

What They Do

- Perform hardware and software isolation and repair of state-of-the-art electronics, computer and network equipment and related systems using complex test and analysis equipment, diagnostic software, hand tools and technical publications;
- Perform computer and electronic system hardware and software installation, configuration and modification;
- Analyze the configuration and monitor the operation of computer telecommunications and networking systems;
- Maintain fleet cryptologic permanent and carry-on direct support systems required in special land, sea surface and subsurface operations.

Working Environment

CTM are assigned to equipment installation activities, electronic maintenance, and computer networking system departments and divisions. They may be assigned to either day work or shift work in a large facility or one of the individual or two-person independent duty assignments at sea or ashore. Departments and divisions are usually divided into specialized maintenance shops and are normally air-conditioned, well-lighted, and completely equipped.

Opportunities

The CTM rating is divided into two major career-training communities: fleet cryptologic maintenance on board Surface ships and fleet cryptologic maintenance support in direct support roles on surface and subsurface combatants. Duty assignments are determined by the CTM's qualifications, past duty history and vacancies. Opportunities for formal training in advanced computer-based systems are provided for about 50 percent of all CTM assignments. More than 800 men and women work in this rating.

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

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
CTM Preparatory School	Pensacola, FL	Approximately 10 weeks	Basic electricity and electronics, and electronics technology	Group-paced classroom and lab instruction
CTM Class "A" Technical School	Pensacola, FL	16 weeks	Electronic test equipment, digital fundamentals and logic circuits, troubleshooting techniques, computing and electronic equipment hardware basics, software operating systems, electronic systems troubleshooting, software recovery methods, network security principles, computer PC and workstation repair, networking concepts and components, application software.	Group-paced classroom and lab instruction

AOs may be assigned to aviation squadrons, aircraft carriers or to other Navy ships carrying aircraft, to naval air stations or other aviation shore facilities in the United States or overseas. During a 20-year period in the Navy, AOs spend about 60 percent of their time assigned to fleet units and 40 percent to shore stations.



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

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

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/ctm_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/ctm.htm>

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