



IT – Information Systems Technician

Information Systems Technicians of the 21st century perform core and specialty functions of network administration; install applications and peripherals, troubleshoot user problems, and provide assistance with the use of computer hardware and software including printers, word-processors, electronic mail systems, and operating systems; conduct system backups and restores; utilize knowledge of database management systems to maintain, administer, test, and implement computer databases; and work with General Service (GENSER), unclassified, and Special Intelligence (SI) systems including Global Command and Control System-Maritime (GCCS-M), Navy Tactical Command Support Systems (NTCSS), Tactical Support Center (TSC) data processing systems, Integrated Bridge Systems (IBS), Integrated Communications and Advanced Networks (ICAN), Shipboard Wide-Area-Networks (SWAN), and ship's control or engineering systems.

What They Do

- -designing, installing, operating and maintaining state-of-the-art information systems technology including local and wide area networks, mainframe, mini and microcomputer systems and associated peripheral devices;
- writing programs to handle the collection, manipulation and distribution of data for a wide variety of applications and requirements;
- performing the functions of a computer system analyst;
- operating and coordinating telecommunications systems including automated networks and the full spectrum of data links and circuits;
- transmitting, receiving, operating, monitoring, controlling and processing all forms of telecommunications through various transmission media including global networks;
- applying diagnostic, corrective and recovery techniques to all facets of the integrated information systems;
- maintaining all necessary logs, files and publications at the communications center;
- providing telecommunications and computer-related training and assistance to a wide variety of personnel.

Working Environment

Information Systems Technicians usually work in a clean, air-conditioned electronic equipment space or computer room, and frequently perform their work as part of a team, but may work on individual projects. Their work is mostly mental analysis and problem solving. USN ITs are stationed primarily aboard USN deploying ships, FTS ITs are stationed aboard Naval Reserve Force (NRF) ships that deploy or conduct local operations.

Opportunities

Because of the skills and expertise needed by the Information Systems Technician, acceptance is limited to highly motivated and qualified applicants. About 10,000 men and women work in the IT rating. Graduates of IT "A" School may be assigned to ships or shore stations in the United States or overseas.

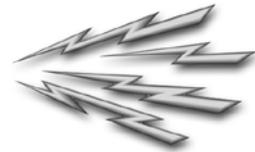
Qualifications and Interests

Information Systems Technicians must be Applicants must be U.S. citizens and meet eligibility requirements for access to sensitive compartmented information (SCI). Eligibility for a Top Secret clearance is determined by the results of a Single Scope Background Investigation followed by a reinvestigation every five years. **IT's immediate family members must be U.S. citizens.** Other helpful characteristics are a good working knowledge of arithmetic, the capability for understanding modern computing devices, the ability to speak and write well and function as a member of an integrated team, do detailed work and keep accurate records, some physical strength and good manual dexterity are important qualifications.

Advancement

Enlistees enter the Navy as E-1s (seaman recruits). Advancement to E-2 (seaman apprentice may be achieved after nine months of successful naval service, with advancement to E-3 (seaman) after an additional nine months.

Career Path After Recruit Training				
Enlistees are taught the fundamentals of this rating through on-the-job training, civilian IT training academies, community colleges 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	24 Weeks	Microsoft, Cisco, and Oracle software and hardware fundamentals, ADP, security, system theory and operation	Group instruction, computer lab and ship simulator training.
After "A" school, USN Information Systems Technicians are assigned to all types of ships and shore stations, and to communication stations in the United States and overseas. FTS Information Systems Technicians are assigned to NRF ships in CONUS. Upon completion of sea tours, FTS ITs will be assigned to reserve centers across the country including the heartland. While assigned to reserve centers FTS ITs will train and administer Selected Reserve Personnel. During a 20-year period in the Navy, ITs spend about 50 percent of their time assigned to fleet units and 50 percent to shore stations				



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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/it_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/it.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/it_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/it.htm>

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