Information Systems Technicians Submarines 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 Conning Systems (ICS), Integrated Communications and Advanced Networks (ICAN), Submarine Wide-Area-Networks (SWAN), and submarine’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.

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.

<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>Basic Enlisted Submarine School</td>
<td>Groton, CT</td>
<td>9 weeks</td>
<td>Indoctrination in basic submarine systems</td>
<td>Group instruction and practical application</td>
</tr>
<tr>
<td>Class “A” Technical School</td>
<td>Groton, CT</td>
<td>24 weeks</td>
<td>CompTIA, Microsoft, Cisco, and Oracle software and hardware fundamentals,</td>
<td>Group instruction, computer lab and submarine simula</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>ADP, security, system theory and operation</td>
<td>training</td>
</tr>
</tbody>
</table>

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. 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.

WORKING ENVIRONMENT
Information Systems Technicians Submarines 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.

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.

OPPORTUNITIES
Because of the skills and expertise needed by the Information Systems Technician Submarines, acceptance is limited to highly motivated and qualified applicants. About 600 Sailors work in the ITS rating. Graduates of ITS “A” School may be assigned to submarines or shore stations in the United States or overseas.

ELITE PROGRAM
This rating is open to those who volunteer for submarine duty. Submarine pay is paid monthly upon completion of Basic Enlisted Submarine School, currently $75.00 to $600.00 (see Submarine Pay chart). All submarine ratings are members of an elite community consisting of highly professional, well-trained personnel.
ITS - Information Systems Technician Submarines

**QUALIFICATIONS & INTERESTS**

Information Systems Technicians Submarines 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. ITS’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.

**MANAGE A NAVY CAREER WITH NAVY LADR**
See the Navy LaDR (Learning and Development Roadmap) for this rating:
ITS [https://www.cool.navy.mil/usn/LaDR/its_e1_e9.pdf](https://www.cool.navy.mil/usn/LaDR/its_e1_e9.pdf)

**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 word processing or data entry applications and office management procedures. See the college credits available via a Joint Services Transcript for this rating:

**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 apprenticeships: [https://usmap.netc.navy.mil/usmapss/static/navyRates.htm](https://usmap.netc.navy.mil/usmapss/static/navyRates.htm)

**EARN INDUSTRY RECOGNIZED CREDENTIALS**
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.

**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. See Related Civilian, Federal and Military Sealift Command Occupations for this rating on Navy COOL. Visit the Navy COOL website:

**EMPOWER YOUR CAREER PLANNING, DECISION MAKING, AND PROFESSIONAL GROWTH**
MilGears is an online, self-assessment tool that guides users through a series of questions and selections regarding their military training, duty assignments, off-duty education, credentialing, and in-Service and post-Service goals. The resultant output of the tool provides users a personalized assessment of what civilian credentials and career pathways that may be immediately attainable and nearly attainable, how to fill any gaps, and next steps to accomplish their civilian credentialing and career pathways programs goals. The tool also shows users “best-fit” post-Service occupations and resources to explore those post-Service occupations. For more information about MilGears – Powered by COOL, visit [https://milgears.osd.mil](https://milgears.osd.mil)

**DOWNLOAD THE NAVY COOL APP**


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

**Revised:** April 2021