IC - Interior Communications Electrician

Interior Communications Electricians install, maintain and repair the equipment needed for interior communications within ships and shore facilities. These communication systems include public address systems, interior telephone systems, alarm systems, engine telegraphs to communicate orders for changes in engine speed from the bridge (ship's command station) to the engine room, certain kinds of ship control and equipment monitoring devices, the ship's gyrocompass, the rudder position indicator, audio-visual equipment for the ship's TV entertainment systems, advanced navigation and various other equipment.

WHAT THEY DO
- Maintaining and repairing interior communications systems;
- Preparing and interpreting blueprints, wiring diagrams and sketches;
- Installing and inspecting dry cell and storage batteries;
- Recharging wet cell batteries;
- Testing interior communications and gyrocompass equipment;
- Installing telephone and other communications circuits, boxes, switchboards and bell buzzer systems;
- Maintaining plotters and dead reckoning equipment;
- Maintaining and operating TV systems;
- Maintaining and repairing shipboard navigation equipment.

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.

<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>Advance Technical Training</td>
<td>Great Lakes, IL</td>
<td>9 weeks</td>
<td>Basic technical documentation, knowledge and skills of electricity and electronics; Basic mechanical theory</td>
<td>Group instruction, classroom and shop</td>
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<tr>
<td>Class &quot;A&quot; Technical School</td>
<td>Great Lakes, IL</td>
<td>12 weeks</td>
<td>CPR, electrical math, basic schematics, AC/DC circuits, solid state characteristics, and logic systems required for the rating</td>
<td>Group instruction and practical application</td>
</tr>
</tbody>
</table>

Some Interior Communications Electricians who graduate from "A" school go on to advanced training courses such as gyrocompass and advanced TV maintenance. Others are assigned to duty stations where they can continue learning their rating through on-the-job training. ICs are assigned to ships and shore stations in the United States and overseas. During a 20-year period in the Navy, ICs spend about 65 percent of their time assigned to fleet units and 35 percent to shore stations.

WORKING ENVIRONMENT
People in the IC rating work in many different situations, at sea and ashore. While most of their work is performed indoors, it may be in a clean or dirty environment of a shop-like nature, and it may be in any kind of climate or temperature. ICs usually work closely with others. Most systems ICs work on are of the modern solid state electronic type, making the rating a very technical profession.

OPPORTUNITIES
Opportunities for placement in this rating are good for highly qualified applicants. About 2,200 men and women work in the IC rating.

QUALIFICATIONS & INTERESTS
It is important that people in this rating have manual dexterity with tools, equipment and machines; above average math skills; resourcefulness; an interest in ideas and information; and the ability to express ideas clearly in speaking to others. Helpful qualities include getting along well with people, writing and record-keeping skills, teamwork, physical strength and the ability to do repetitive tasks. ICs must be U.S. citizens eligible for security clearances.

Normal color perception is required for this rating.
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MANAGE A NAVY CAREER WITH NAVY LADR
See the Navy LaDR (Learning and Development Roadmap) for this rating:
IC https://www.cool.navy.mil/usn/LaDR/ic_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

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:
IC https://www.cool.navy.mil/usn/enlisted/ic.htm

DOWNLOAD THE NAVY COOL APP
Navy COOL App (iOS):

Navy COOL App (Android):

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

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