



## FC – Fire Controlman

**Fire Controlman** provide system employment recommendations; perform organizational and intermediate maintenance on digital computer equipment, subsystems, and systems; operate and maintain combat and weapons direction systems, surface to air and surface to surface missile systems, and gun fire control systems at the organizational and intermediate level.

### What They Do

- inspect, test, align, and repair micro/minicomputers and associated peripheral equipment, data conversion units, data display equipment, data link terminal equipment, print devices, and system related equipment;
- make analysis for detailed systems, computer programs, electronics, and electronic casualty control;
- operate associated built-in and external test equipment; load, initialize, and run preprogrammed diagnostic
- operate the Aegis Weapon System, which includes one of the most powerful air-search radars, deployed at sea around the world, the SPY-1, as well the MK99 Fire Control System, used for terminal guidance of Standard Missiles, and the Aegis Computer Suite.
- run performance and testing routines for digital computer equipment, digital subsystems, digital systems, and overall combat systems.

### Advancement

Enlistees enter as E-1s (seaman recruits). Advancement to paygrade E-2 (seaman apprentice) will be made after successful completion of recruit training. Advancement to E-3 will be made after completion of all advancement-in-rate requirements (including minimum time and course work). 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 and course work) are completed. Advancement to both E-3 and E-4 is contingent upon maintaining eligibility in the Advanced Electronics Computer Field.

### Opportunities

Over 5,500 men and women currently work as FCs in the Navy. Opportunities are excellent for qualified candidates.

### Qualifications and Interests

Fire Controlman must be U.S. citizens eligible to meet security clearance requirements. Important qualifications include knowledge of arithmetic, the capability to understand modern computing devices, the ability to speak and write well, function as a member of a team, do detailed work and keep accurate records. Additionally they must possess some physical strength, good manual dexterity and normal color perception.

### **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
Apprentice Technical Training	Great Lakes, Ill.	11 Weeks	Basic electronics and electronic circuitry, safety, digital theory, microcomputers, fiber optics, test equipment and trouble-shooting techniques.	Self Paced Computer Based Training and laboratory application with written tests and practical laboratory performance tests.
FC Strand	Great Lakes, Ill.	20 Weeks	2-D and 3-D radar, Troubleshooting procedures, Missile and Gun System Ballistics, Firecontrol Basics.	Self Paced Computer Based Training and laboratory application with written tests and practical laboratory performance tests

After "A" school FCs continue on to advanced "C" school. School lengths and content vary, but many colleges and universities offer college credits for these Navy courses. During a 20-year period in the Navy FCs spend about 60 percent of their time assigned to fleet units or remote shore stations throughout the world and 40 percent to shore stations in the United States.



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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/fc\\_jst.pdf](https://www.cool.navy.mil/usn/jst/fc_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/fc.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/fc\\_e1\\_e9.pdf](https://www.cool.navy.mil/usn/LaDR/fc_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/fc.htm>

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