



Fire Controlmen (FC) 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.

Credit Recommendations

In the lower-division baccalaureate / associate degree category: three semester hours in solid state electronics, three in electromechanical systems, three in digital circuits, two in microwave fundamentals, one in electronics laboratory, one in digital laboratory and one in radar maintenance

Qualifications and Interests

Fire Controlman must be U.S. citizens eligible to meet security clearance requirements. Important qualifications include knowledge of

Career Path After Recruit Training

Enlistees are taught the fundamentals of this rating through formal Navy schooling. Advanced technical and operational training in these ratings are available during later stages of career development.

School	Present Location	Approximate Training Time	Subjects	Training Methods
Apprentice Technical Training	Great Lakes, IL.	9 Weeks	Basic electronics and electronic circuitry, safety, digital theory, microcomputers, fiber optics, test equipment and troubleshooting techniques.	Self Paced Computer Based Training and laboratory application with written tests and practical laboratory performance tests.
FC Strand	Great Lakes, IL.	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.

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.

Working Environment

FCs usually work indoors in a clean, comfortable shop-like environment and computer equipment rooms. They work closely with others and require little supervision.

Advancement

The Navy's FC Rating is part of the Advanced Electronics/ Computer Field and offers extensive training in all aspects of electronics including computer systems, radars, and weapons fire control systems such as the Navy's advanced missile system and Aegis radar. 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.

Opportunities

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

For more information on opportunities available for this rating, please visit Navy Credentialing Opportunities On-Line (COOL) at <https://www.cool.navy.mil/index.htm>

Civilian Occupational Equivalents

To see Related Civilian Occupations for this rating:

FC - <https://www.cool.navy.mil/enlisted/fc.htm>

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

(Revised 10/12)