

What Is An Apprenticeship?

Experience has demonstrated that a practical and sound method of preparing workers for employment in skilled occupations is through planned apprenticeship — a concept that provides for employment and training under actual job conditions, with supervision by skilled professionals, and with wages commensurate with the Apprentice's skill. In addition, the Apprentice's knowledge and understanding of the occupation are enhanced through participation in approved courses of related and supplemental instruction.

Program Highlights

- ⇨ Career opportunity
- ⇨ Full-time employment
- ⇨ On-the-job training (OJT)
- ⇨ Merit-based promotions

Employment Benefits

- ⇨ Vacation leave
- ⇨ Sick leave
- ⇨ Life insurance
- ⇨ Medical insurance
- ⇨ 10 paid holidays
- ⇨ Retirement investment plan

Trades Available

- ⇨ Machinist
- ⇨ Electronic Technician
- ⇨ Mechanical Engineering Technician
- ⇨ Ordnance Support Technician
- ⇨ Ordnance Processing
- ⇨ Non-Metallic Parts Manufacture
- ⇨ Mechanical Parts Inspection
- ⇨ Production Support

Application Process

Contact the Weapons Prototype Division for application date at (760) 939-3705.

Submit the following information:

- ⇨ Current resume
- ⇨ School transcripts
- ⇨ 400-word essay providing the applicant's career goals and the ways in which this opportunity will help meet those goals



- ⇨ High-paying career
- ⇨ Nationally recognized journeyman certificate
- ⇨ Job security
- ⇨ Increased marketability

ENTRY REQUIREMENTS

- ⇨ 18 years of age
- ⇨ U. S. Citizenship
- ⇨ Enrollment half time in an educational institution

FIRST YEAR APPRENTICE

- ⇨ 1872 hours of OJT training
- ⇨ 144 to 280 hours of class training **
- ⇨ Pay of approximately \$13.00 per hour

SECOND YEAR APPRENTICE

- ⇨ 1872 hours of OJT training
- ⇨ 144 to 280 hours of class training **
- ⇨ Pay of approximately \$15.00 per hour

THIRD YEAR APPRENTICE

- ⇨ 1872 hours of OJT training
- ⇨ 144 to 280 hours of class training **
- ⇨ Pay of approximately \$16.00 per hour

APPRENTICE GRADUATION*

- ⇨ Journeyman certificate from U. S. Department of Labor
- ⇨ Certificate from Education Direct
- ⇨ Pay of approximately \$21.00 per hour

*Management's intention is to progress Apprentices to a journeyman level. However, based on workload and/or an individual's demonstrated performance, management reserves the option of releasing participants at any phase of the program.

**Class training is on student's own time (non-pay status).

Machinist Apprentice

The apprentice will learn the skills to operate and setup various machines for the manufacturing of hardware. These machines include lathes, mills, grinders, and computer numerical controlled (CNC) machines. There will be cross training in sheet metal, welding, and heat treat.

Electronics Technician

Apprentices will learn to read drawings, schematics, and shop sketches to identify electronic components. They will prepare components for assembly and solder printed wiring boards to J Standards and fabricate/assemble unique cables and wiring harnesses.

Mechanical Engineer Technician

The apprentice will have an understanding of physics, chemistry, and electronics. There will be training in manufacturing, design, and knowledge of materials. The main function of this person will be to interface with the engineering community to support the assembly and testing of Department of Defense hardware.

Ordnance Support Technician

The Ordnance Support group is divided into the following fields, which support the Ordnance Facility infrastructure:

HVAC: This apprentice will be trained in the maintenance of heating and air conditioning.

Mechanical: This apprentice will be trained in the maintenance of hydraulic systems, motors, pumps, etc., with knowledge in welding and pipe fitting.

Electrician: This apprentice will be trained in the maintenance of electrical systems and the knowledge of basic alternating current and direct current theory.

Non-Metallic Manufacturing

The apprentice will learn to manufacture non-metallic hardware such as plastics, polymers, ABS, and other materials. The individual will learn the use of vacuum casting, injection molding, rapid prototype machines, and will have a working knowledge of computer-aided design systems.

Ordnance Processing

The apprentice will learn about the mixing of energetics and inerts as well as casting, pressing, and grinding/particle size reduction. Other duties include the processing of explosives and propellants.

Mechanical Parts Inspection

The apprentice will have an extensive knowledge of engineering drawing interpretation and will receive training on manufactured parts inspection practices. Coordinating measuring machine operation and programming will be part of the curriculum, as well as manufacturing processes.

Production Support

The apprentice will be trained to support the Machine Shop Tool Room by providing the tooling needed for the manufacturing of hardware. Duties will include stock inventory, purchasing, and the administering of vehicles, measuring tools, machine tools, and gauging tool checkout. Other duties will include shipping and receiving materials and database operation.

Note: Math, English, Safety, and other courses are required for all trades.

NAWCWD Administrative Publication 142 Revision 2, published by the Technical Communication Office. First printing February 2005, 1,000 copies. Second printing February 2008, 1,000 copies. Third printing November 2009, 1,000 copies. Reviewed and approved for publication by A. M. Thompson, Director of Technical Communication, November 2009. Approved for public release; distribution is unlimited.

NAVAL AIR WARFARE CENTER

Student Educational Employment Program (SEEP)

APPRENTICE PROGRAM

