



CAREER FIELD FACT SHEET



Career Field Information

Category:

Mission Support

Unit:

102d Fighter Wing

AFSC:

3E4X1

Job Title:

Utility Systems Specialist

Equivalent Civilian Career:

Utilities Worker

Job Description / Background:

Installs and operates plumbing, water, wastewater, fire suppression and backflow prevention systems and components. Monitors systems operation to ensure efficiency and compliance. Ensures compliance with safety and environmental regulations for hazardous materials. Installs and operates field potable water treatment equipment.

Maintains, inspects, and repairs plumbing, water, wastewater, fire suppression and backflow prevention systems, and components. Performs inspection, recurring maintenance, and seasonal overhaul on systems and components. Troubleshoots malfunctions. Uses drawings and schematics to analyze and isolate system malfunctions. Removes, repairs, and replaces defective components. Modifies equipment for specific missions or to increase efficiency. Locates and determines quality and quantity of water sources.

Technical Training and School Information

School Length:

47 days

School Location:

Sheppard AFB TX

Job Qualifications / Prerequisites

For entry into this specialty, completion of high school with courses in mathematics, chemistry, biology, earth sciences, drawing and specification use, and shop mechanics is desirable.