



CAREER FIELD FACT SHEET



Career Field Information

Category:

Maintenance

Unit:

102d Fighter Wing

AFSC:

2A3X1A

Job Title:

F15 Avionics Specialist

Equivalent Civilian Career:

Aviation Technician

Job Description / Background:

Identifies and isolates A-10, F-15, and U-2 integrated avionics systems malfunctions, and analyzes performance. Operates integrated avionics systems to determine operational condition. Interprets equipment operation to isolate malfunctions in systems such as attack control, instrument, flight control, communications, navigation, and penetration aids. Traces data flow and wiring diagrams. Uses built-in test functions, electronic measuring equipment, support aerospace ground equipment (AGE), and hand tools. Monitors equipment performance and detects and analyzes malfunctions

Technical Training and School Information

School Length:

17 weeks

School Location:

Sheppard AFB TX / Lackland AFB TX

Job Qualifications / Prerequisites

Knowledge is mandatory of: electronic, microelectronic, gyro, synchro, mechanical, and indicator principles, theory, and application; factors involved in transmitting and receiving within the radio frequency and radar frequency ranges; digital computer logic; using and interpreting testing and measuring devices; principles of aerodynamics and motion and power transmission by mechanical and electronic means; electronic combat principles; and concepts and application of maintenance directives. For entry into this specialty, completion of high school with courses in physics and mathematics is desirable.