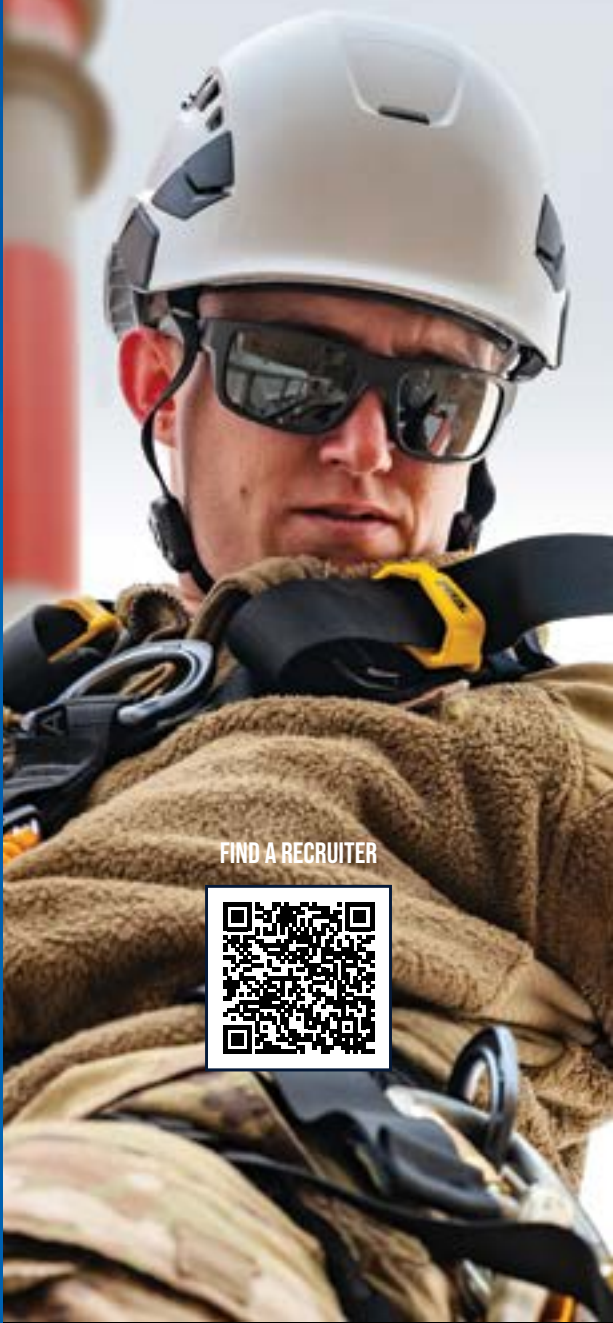


# ELECTRONIC CAREERS



**U.S. AIR FORCE**



**FIND A RECRUITER**





# TRANSFORMING TECHNOLOGY

The Air Force is constantly exploring and transforming new technology to conduct global missions. We rely on Airmen with specialized skills to use that technology in ensuring those missions are successful 24/7.

As an Airman in one of our electronics specialties, you'll receive extensive training and experience on some of the most advanced systems and equipment in the world. Plus we'll help you earn licenses and certifications that are required for your position.

## SPECIALTIES

The specialties listed in this brochure require specific minimum "electronic" scores on the Armed Services Vocational Aptitude Battery (ASVAB). Your recruiter can provide you with a complete list of electronics specialties that also may be available with minimum "mechanical" or "general" ASVAB scores. The specialty you receive is based on your ASVAB scores, interests, abilities and needs of the Air Force.

## ADVANCED FIGHTER AIRCRAFT INTEGRATED AVIONICS

The F-22, F-35 and remotely piloted aircraft (MQ-1, MQ-9 and RQ-4) contain highly sophisticated systems that are crucial in maintaining superiority over our enemies. Advanced Fighter Aircraft Integrated Avionics specialists inspect, troubleshoot, repair and maintain the onboard avionics systems such as radar, laser, video imaging system, satellite communications system, flight controls and navigation.

## AIRBORNE MISSION SYSTEMS SPECIALIST

Airborne Mission Systems Specialists inspect and operate communications, sensors, computers and electronic systems on a variety of aircraft. They determine the status of the airborne command center and establish and maintain voice and data communications links that are critical to pilots and ground units. These specialists play a vital role in managing the battlespace during tactical and strategic missions.





## **AVIONICS TEST STATION AND COMPONENTS**

Air Force aircraft are outfitted with thousands of intricate parts and systems. This includes radar, sensors, communications, navigation, weapons control, electronic warfare, flight control and engine control systems. Avionics Test Station and Components specialists are responsible for inspecting, maintaining, programming and calibrating computerized and manually operated avionics test equipment, support equipment and aircraft avionics systems components.

## **BOMBER / SPECIAL INTEGRATED COMMUNICATION / NAVIGATION / MISSION SYSTEMS**

Bomber/Special Integrated Communication/Navigation/Mission Systems specialists work on our bombers (B-1, B-2, B-52) and special mission (E-3, E-4, E-8, RC-135, VC-25) aircraft. They're responsible for operating and maintaining systems such as avionics, communications, GPS, navigation, radar, sensors and video displays. These specialists inspect and evaluate aircraft maintenance and recommend corrective action to the inspection findings.



## **BOMBER / SPECIAL INTEGRATED INSTRUMENT AND FLIGHT CONTROL SYSTEMS**

Bomber/Special Integrated Instrument and Flight Control Systems Airmen play an important role in ensuring our bombers and special mission aircraft are airborne ready. These specialists operate and maintain integrated instrument and flight control systems, including flight instruments, GPS, primary and secondary flight controls, engine instrumentation and fuel management systems.

## **BOMBER / SPECIAL ELECTRONIC WARFARE AND RADAR SURVEILLANCE INTEGRATED AVIONICS**

Identifying and locating enemy threats is crucial to our nation's security. The Air Force relies on Bomber/Special Electronic Warfare and Radar Surveillance Integrated Avionics Airmen to keep our bombers and special mission aircraft systems operating at peak performance. Duties include operating and maintaining intelligence, surveillance and reconnaissance systems as well as carry-on electronic warfare systems.





## CYBER WARFARE OPERATIONS

It's imperative the United States constantly stays ahead of our adversaries through cyber and information warfare operations. Air Force Cyber Warfare Operations specialists develop, sustain and enhance cyberspace capabilities to defend our national interests from attacks. They conduct missions with joint, interagency, intergovernmental and multinational forces to establish situational awareness of both friendly and adversary operations.

## FIGHTER AIRCRAFT INTEGRATED AVIONICS

The A-10, CV-22, F-15, F-16 and U-2 aircraft require teams of highly trained Airmen to keep them mission ready. Fighter Aircraft Integrated Avionics specialists inspect, troubleshoot, repair and maintain the onboard avionics systems, including the attack control, flight control, communications, navigation and enemy target penetration aids. These specialists trace the aircraft's data flow and wiring diagrams to ensure all systems are fully functional.







## **MISSILE AND SPACE FACILITIES**

Our missile, space lift, research and development facilities house top-secret technology systems that are specifically designed to protect our nation and thwart enemy attacks. It's the responsibility of Missile and Space Facilities specialists to keep those facilities operating at peak capability. Duties include everything from repairing power generation and heating and air conditioning systems to servicing missile weapon systems and space lift support systems.

## **MOBILITY AIR FORCES INTEGRATED COMMUNICATION / NAVIGATION / MISSION SYSTEMS**

Transport and tanker aircraft are the Air Force's workhorses for hauling payloads, troops and refueling supplies around the world. Aircraft include the C-5, C-12, C-17, C-20, C-21, C-26, C-32, C-37, C-40, C-130, KC-10, KC-46 and KC-135. Mobility Air Forces Integrated Communication/Navigation/Mission Systems specialists perform and supervise specific avionics maintenance and general servicing and handling of those aircraft.





## **MOBILITY AIR FORCES INTEGRATED INSTRUMENT AND FLIGHT CONTROL SYSTEMS**

The Air Force's transport and tanker aircraft contain a vast array of complex electronic instrument and flight control systems. It's the responsibility of Mobility Air Forces Integrated Instrument and Flight Control Systems specialists to ensure those systems and components are 100 percent functional. Duties include inspecting and verifying operational status and configuration of the avionics systems and software.

## **PRECISION MEASUREMENT EQUIPMENT LABORATORY**

Everything Precision Measurement Equipment Laboratory specialists do has to be exact. There is no room for error. It is their job to repair, calibrate and modify thousands of test, measurement and diagnostic equipment items used throughout the Air Force. Duties include performing voltage, current, power, impedance, frequency, microwave, temperature, physical-dimensional and optical measurements.

## **RADAR, AIRFIELD AND WEATHER SYSTEMS**

Radar, Airfield and Weather Systems Airmen keep the equipment used for air traffic control and navigation in top-notch condition. These specialists install, maintain and repair a wide variety of components, including fixed or mobile air traffic control, early warning radar, ground-to-air radio and meteorological systems. Airmen may also be called upon to support the National Airspace System and the National Weather Service.

## **RADIO FREQUENCY TRANSMISSION SYSTEMS**

Keeping our radio communications equipment problem-free is essential to Air Force operations. Radio Frequency Transmission Systems specialists deploy, sustain, troubleshoot and repair a vast array of devices on base and at deployed locations. They include: radio frequency wireless, line-of-sight, beyond line-of-sight, wideband and ground-based satellite and encryption transmission devices.



## **SPACE SYSTEMS OPERATIONS**

Air Force Space Systems Operations Airmen play a major role in protecting our nation from enemy attacks. Their duties include using ground and space-based sensors for detecting and tracking foreign missile launches, assisting with aeronautical tests and U.S. ballistic missile and space launches, using optical and radar sensors for maintaining orbital parameters on satellite launch vehicles, and tracking and protecting friendly satellite communications.

## **SPECTRUM OPERATIONS**

Maintaining clear and uninterrupted communications is critical to the Air Force mission. Spectrum Operations Airmen analyze radio frequency spectrum requirements and request specific frequencies to support ground-based, aircraft and space systems operations. They advise commanders and combatant commanders on all spectrum issues and coordinate frequency needs with federal, military and civilian spectrum management agencies.

## **SPECIAL OPERATIONS FORCES / PERSONNEL RECOVERY INTEGRATED ELECTRONIC WARFARE SYSTEMS**

The electronic warfare technology on our special operations aircraft is second to none. Special Operations Forces/Personnel Recovery Integrated Electronic Warfare Systems specialists are responsible for keeping that technology working 24/7. Duties include diagnosing malfunctions using technical orders, schematics and wiring diagrams as well as performing avionics maintenance and general aircraft servicing and handling.



## **SPECIAL OPERATIONS FORCES / PERSONNEL RECOVERY INTEGRATED COMMUNICATION / NAVIGATION / MISSION SYSTEMS**

The Air Force uses C-130, EC-130, HH-60 and CV-22 aircraft for its special operations missions. It's the job of Special Operations Forces/Personnel Recovery Integrated Communication/Navigation/Mission Systems specialists to analyze malfunctions and to inspect, remove, maintain and install equipment and components associated with the aircrafts' extensive communications, navigation and mission systems.

## **SPECIAL OPERATIONS FORCES / PERSONNEL RECOVERY INSTRUMENT AND FLIGHT CONTROL SYSTEMS**

Before our special operations aircraft can launch, the onboard instrument and flight control systems need to be fully operational. It's the job of Special Operations Forces/Personnel Recovery Integrated Instrument and Flight Control Systems specialists to ensure everything is airborne ready. Duties include analyzing and isolating malfunctions in the systems and performing avionics maintenance.





## QUALIFICATIONS


- Have a high school diploma or GED with 15 college credits
- Be a U.S. citizen
- Be between ages 17 and 39
- Achieve a minimum required score on the ASVAB
- Meet physical and moral requirements
- Complete Basic Military Training

## BENEFITS

Here are a few of the many Air Force benefits you'll receive.

- 30 days of vacation with pay each year
- Opportunities for advanced education with up to 100 percent tuition assistance and the Post 9/11 GI Bill
- Comprehensive medical care for you and your dependents
- Tax-free food and housing allowances
- Use of base recreational and sports facilities
- Live, work and travel around the world
- Generous retirement system with the Thrift Savings Plan similar to a 401(k)

(Note: The above Air Force benefits are available to those serving full-time. Not all benefits are available for part-time service.)



## SERVE YOUR WAY, FULL-TIME OR PART-TIME

You can choose one of several paths that allows you to serve either full-time or part-time. No matter which path you select, you'll become a member of our global Air Force family. For more information, contact a recruiter today. Visit **WWW.AIRFORCE.COM** or call **1-800-423-USAF**.



**U.S. AIR FORCE**



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