

AIRCRAFT ARMAMENT TECHNICIAN

ALSO KNOWN AS: WEAPONS SYSTEMS TECHNICIAN ARMAMENT FITTER AVIATION ORDNANCE TECHNICIAN

AEROSPACE WEAPONS SPECIALIST

SECURING AIR DEFENCE WITH PRECISION WEAPONRY.

In the critical field of aviation security, Aircraft Armament Technicians are the essential professionals who ensure our aircraft are equipped with state-of-the-art weapons systems. They are the experts in munitions and weaponry, playing a vital role in maintaining our air defence capabilities and ensuring our pilots are prepared for any operational scenario.

KEY SKILLS

Skills which may benefit anyone considering a job as a aircraft armament technician include:

- ☑ Attention to detail
- ☑ Mechanical aptitude
- ☑ Technical documentation comprehension
- ☑ Electrical systems knowledge
- ☑ Problem solving

CAREER PROGRESSION

In this role, you may have the opportunity to progress to other positions. Career progression opportunities include:

- Team Leader
- Aerospace Engineer
- Chief Engineering Officer
- Aircraft Maintenance Engineer (Mechanical)

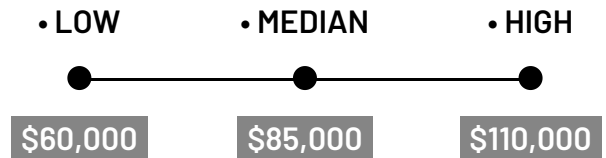
VALUES & ATTRIBUTES

Values and attributes of anyone considering a job as a aircraft armament technician include:

- ☑ Precision
- ☑ Team Player
- ☑ Safety-conscious
- ☑ Reliable
- ☑ Adaptable
- ☑ Investigative – “Thinker”

SALARY EXPECTATION

The expected salary for an Aircraft Armament Technician can vary across different areas of manufacturing and may vary as you become more experienced.



RELATED INDUSTRIES

▶ Aerospace and Defence ▶ Transport Equipment and Machinery

RECOMMENDED SCHOOL SUBJECTS

- Aerospace Systems
- Mathematical Methods
- Physics

CORE SCHOOL SUBJECTS

- Essential Mathematics
- Essential English
- Engineering
- Engineering Skills

JOB OVERVIEW

Aircraft Armament Technicians are responsible for the installation, maintenance, and repair of weapons systems on military and specialised civilian aircraft. Their work is crucial for ensuring the operational readiness and effectiveness of aircraft in both defensive and offensive capacities. These skilled technicians manage a wide range of armament systems, including missiles, bombs, guns, and electronic warfare equipment.

Working with advanced technology and precision tools, Aircraft Armament Technicians must possess a deep understanding of mechanical and electrical systems. They are proficient in reading and interpreting technical manuals and schematics. A typical workday involves conducting thorough inspections of weapons systems, diagnosing and resolving malfunctions, replacing components, and performing comprehensive safety checks to ensure all armaments are properly secured and functioning optimally.

The role of an Aircraft Armament Technician is critical to national defence and the safety of aircrew. Their expertise contributes significantly to the success of military operations and plays a key part in maintaining global security. By ensuring that aircraft can respond effectively to threats and carry out assigned missions with precision and reliability, these technicians are integral to the aerospace and defence sectors.

WHAT WILL YOU DO?

Your role may include duties as follows:

1. Install, maintain, and repair aircraft weapons systems and related equipment
2. Conduct pre-flight and post-flight inspections of armament systems
3. Troubleshoot and diagnose malfunctions in weapons systems
4. Load and unload munitions and other ordnance
5. Maintain detailed records of maintenance activities and equipment status

HOW TO BECOME A AIRCRAFT ARMAMENT TECHNICIAN

Becoming an Aircraft Armament Technician typically requires a combination of technical training and on-the-job experience. While a formal qualification is not always mandatory to start, it is highly advantageous and often required by employers. Here are the steps to pursue this career:

1. Complete Year 12 with a focus on mathematics, physics, and technical subjects
2. You may find it useful to undertake a Certificate II in Aeroskills (MEA20418) while you are at school or before commencing an apprenticeship.
3. Apply for entry-level positions or apprenticeships with the Australian Defence Force or aviation companies
4. Complete specialised training provided by your employer
5. Gain necessary security clearances and certifications

VOCATIONAL EDUCATION & TRAINING

Vocational education and training are essential in preparing individuals for a career as an Aircraft Armament Technician. These programs provide the technical knowledge and hands-on skills required for the job. Relevant qualifications include:

- Certificate IV in Aeroskills (Armament)(MEA40718)

For those looking to advance into leadership roles or deepen their expertise:

- Diploma of Aviation Maintenance Management (MEA50422)

UNIVERSITY & HIGHER EDUCATION

While university education is not typically required for entry-level Aircraft Armament Technician positions, it can be beneficial for career advancement or specialization. Relevant degree programs include:

- Bachelor of Engineering specialising in aerospace mechanical
- Bachelor of Aviation Maintenance Management

These programs provide a deeper understanding of aviation systems, engineering principles, and management skills. They can lead to roles in aircraft design, systems engineering, or senior management positions within the aviation industry. The skills gained through these programs include advanced problem-solving, project management, and a comprehensive understanding of aviation regulations and safety standards.