



Aerospace Engineer - Weapons Electrical Aircraft

- Full Time A challenging engineering position overseeing the maintenance and repair of a
- ADFA fleet of high-tech helicopters with involvement in flight trials, flight test engineering and research and development.

Job Details

As a Weapons Electrical Aircraft (WEA) Officer, you will be challenged with the responsibility of the electronic, and communication systems of the Navy's fleet of sophisticated helicopters, their integrated weapons systems, unmanned target aircraft and flight simulators.

While working in a stimulating and dynamic environment you may be assigned to any of the following areas:

- Integrated Logistics Management of specific weapons systems;
- Aircraft and weapons systems project development;
- Modification design and integration of sensors and control systems;
- Modification, design and integration of airborne mission systems;
- Software systems analysis; and
- Squadron Senior Engineering & Maintenance Management.

Entry

The Navy has a steady demand for officers with degree qualifications in professional and specialist technical vocations. These people are selected direct from the civil community for appointment as Naval officers.

Pay & Allowances

Qualified Graduates receive salary of \$54,872 per year (\$2,105 per fortnight).*

You will also receive a Uniform Allowance of \$682 per year (\$26 per fortnight) to assist maintaining uniforms in good order and condition.

In addition to your salary, you will also receive Service Allowance of \$11,355 per year (\$435 per fortnight) except while undertaking Military (Initial) or Employment training. This allowance compensates a member for the unique requirements that service life may impose on an individual and his or her family.

Salary will continue to increase based on rank and the number of years of service completed in that rank. Refer to the [Salary Scales](#).

* Please note that these figures do not include compulsory deductions for taxation; meals, accommodation and utilities (as applicable); and superannuation.

General Requirements

Age Requirement

Applicants must be aged between 17 and 55 years of age inclusive on entry.

Citizenship Requirement

Only Australian citizens are permitted to serve in the ADF.

If you are a Permanent Resident of Australia, the ADF may consider a temporary waiver of the citizenship requirement if the position for which you are applying cannot be filled by an applicant who meets all the citizenship requirements, and then only in exceptional circumstances. You will be required to obtain Australian citizenship as early as possible following enlistment or appointment.

More information on citizenship requirements and the citizenship waiver process is available from the [Recruitment Centre](#) and your local Defence Force Recruiting Centre.

Security Requirement

The Department of Defence requires ADF entrants to obtain a security clearance appropriate to their avenue of entry.

A process of background checks, collection of relevant information and, as required, interviews enables the Regional Security Office to make an informed assessment of an applicant's suitability for a security clearance.

Current policy requires applicants for this particular avenue of entry to have lived in Australia for the preceding 10 years, or have a checkable background for this period.

Aptitude Requirement

The application process to join the Australian Defence Force requires you to complete a series of aptitude tests including verbal, spatial and numerical ability and a general maths test. Some jobs may also need additional testing at a later date.

Psychology support staff will explain what is involved with each test.

The aptitude tests provide information about your suitability for the Defence Force and for particular jobs. Defence Force Recruiting can then help you identify jobs that match your abilities.

Further information on the aptitude testing requirements can be found [here](#).

Education Requirements

The minimum requirement is a four year engineering degree permitting graduate membership of Engineers Australia (EA) as a professional engineer. The following is a list of acceptable disciplines. Degrees not in this list will be considered on a case by case basis:

- Avionics;
- Communications/Telecommunications;
- Computer Systems;
- Electrical;
- Electronics;
- Mechatronics;
- Software/Robotics; and
- Systems/Technology.

You may commence the selection process if you are in the final year of a four year Bachelor of Engineering Degree and can present your completed third year academic transcript. Your appointment will be subject to successful completion of the final semester of your Engineering Degree.

Medical & Fitness Requirements

To be enlisted or appointed, you must be medically and physically fit for entry to your chosen occupation. This is partially assessed from the completion of an extensive questionnaire covering your medical history, followed by a physical examination.

You must also pass the swim test and physical fitness test to graduate from your Navy Training and to proceed to the Safety of Life at Sea Training that is a requirement for Recruit School and Officer training.

Navy Swim Test

The Navy Swim test consists of:

- A safety jump off a 3m tower in overalls;
- 10m underwater swim in overalls;
- 50m swim using three safety strokes; and
- Tread water or float for 15 mins (removal of overalls optional).

Note: You will find it much easier to pass the swimming test if you undertake swimming training before you join.

For further details on medical and physical standards refer to '[Physical Fitness Standards for Entry into the ADF](#)' and '[Medical Process for Entry into the ADF](#)'.

Period of Service

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You will be appointed for an Initial Minimum Period of Service (IMPS) of 4 years. Subsequent periods of service may be offered subject to the requirements of the ADF and your suitability for further service. You may tender your resignation at any time provided you do not have an outstanding Initial Minimum Period of Service obligation.

Your Careers Counsellor can advise on how IMPS will relate to your chosen occupation.

Return Of Service

A Return of Service Obligation (ROSO) equal to the length of Application Course plus 12 months is incurred. Acquittal of ROSO commences on the day of promotion to Sub Lieutenant or the day following successful completion of the Application Course, whichever is the later.

Military Training

Initial Entry Officer training for all graduate and non-graduate Officers is conducted at the [Royal Australian Naval College](#) (RANC), HMAS CRESWELL at Jervis Bay on the NSW south coast.

The New Entry Officer Course (NEOC) is 22 weeks in duration and is designed to equip officers with general Service skills common to all employment qualifications and develop the necessary attributes for the efficient management of Naval personnel and assets. This course covers drill and ceremonial, physical training, officer development, oral and written communications, naval message writing, management and leadership, officer of the day duties, Navy organisation, Defence studies, character guidance, Navy history, [swim test](#)*, first aid, small arms training, adventure training, and a training cruise.

For further details on the NEOC, refer to the [Joining instructions](#). These instructions will provide you and your family with enough information to arrange your personal affairs before appointment in the Navy and will give you an idea of what you will be doing during your training.

On completion of the NEOC, graduates proceed to Application Courses (see 'Employment Training') for training in their specialist areas before returning to CRESWELL for completion of the five week Junior Officers Leadership Course. This course covers leadership and management, and aims to prepare the new Officers for their roles as Divisional Officers.

During Military (NEOC) Training and Employment Training (Application Courses), members may be required to pay a contribution towards meals, accommodation and utilities.

*Please note that the swim test is conducted in the first week of the New Entry Officer Course and requires trainees to tread water for 15 minutes and swim underwater for 10 metres.

Employment Training

Aerospace Engineering Officers Application Course - 12 Weeks

The Aerospace Engineering Officers Application Course (AEOAC) is undertaken at HMAS ALBATROSS located near Nowra, NSW. The course covers most aspects of engineering applicable to aircraft in operation with the Navy. The course also covers major aspects relating to aircraft maintenance, aircraft administration procedures and airworthiness theory and principles.

Once these courses have been completed, officers are sent to one of three operational squadrons to commence consolidation training to prepare them for future operational postings. During this phase of training all Aerospace Engineer Officers (AEROs) progress their Engineers Australia (EAust) Competency Journal, with the future possibility of achieving CPEng status.

The AEOAC is tailored to suit both Weapons Electrical Aircraft (WEA) and Aeronautical Engineering (AE) officers. However, depending on what subjects the officer has studied at university, they may be awarded Recognised Prior Learning in certain modules.

Employment Location

All officers will serve in fleet units and shore establishments around Australia based on service need. Individual preferences for posting location will be taken into account where possible.

Many opportunities also exist for short periods (4 – 6 months) of operational service overseas.

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