

# Careers in the defence industry – Naval Architect

Naval Architects are engineers responsible for the design, classification, survey, construction and repair of ships, boats, other marine vessels, and offshore structures, both commercial and military.



DEFENCE  
INDUSTRY  
THE OTHER FORCE



## Looking for an exciting and rewarding long term career?

Join the thousands of people using a different set of skills to supply and support our defence forces. WA's defence industry provides stable and local employment in defence related activities such as **ship and submarine building, maintenance and sustainment**.

To become a naval architect, you usually need to study a degree in engineering with a major in naval architecture. Edith Cowan University offers a four-year Bachelor of Engineering (Naval Architecture) (Honours). This is the only naval architecture degree in Western Australia. The course is run in collaboration with the Australian Maritime College at the University of Tasmania in Launceston, which delivers the final two years of the course.

### HADIQA KHAN

Graduate Naval Architect

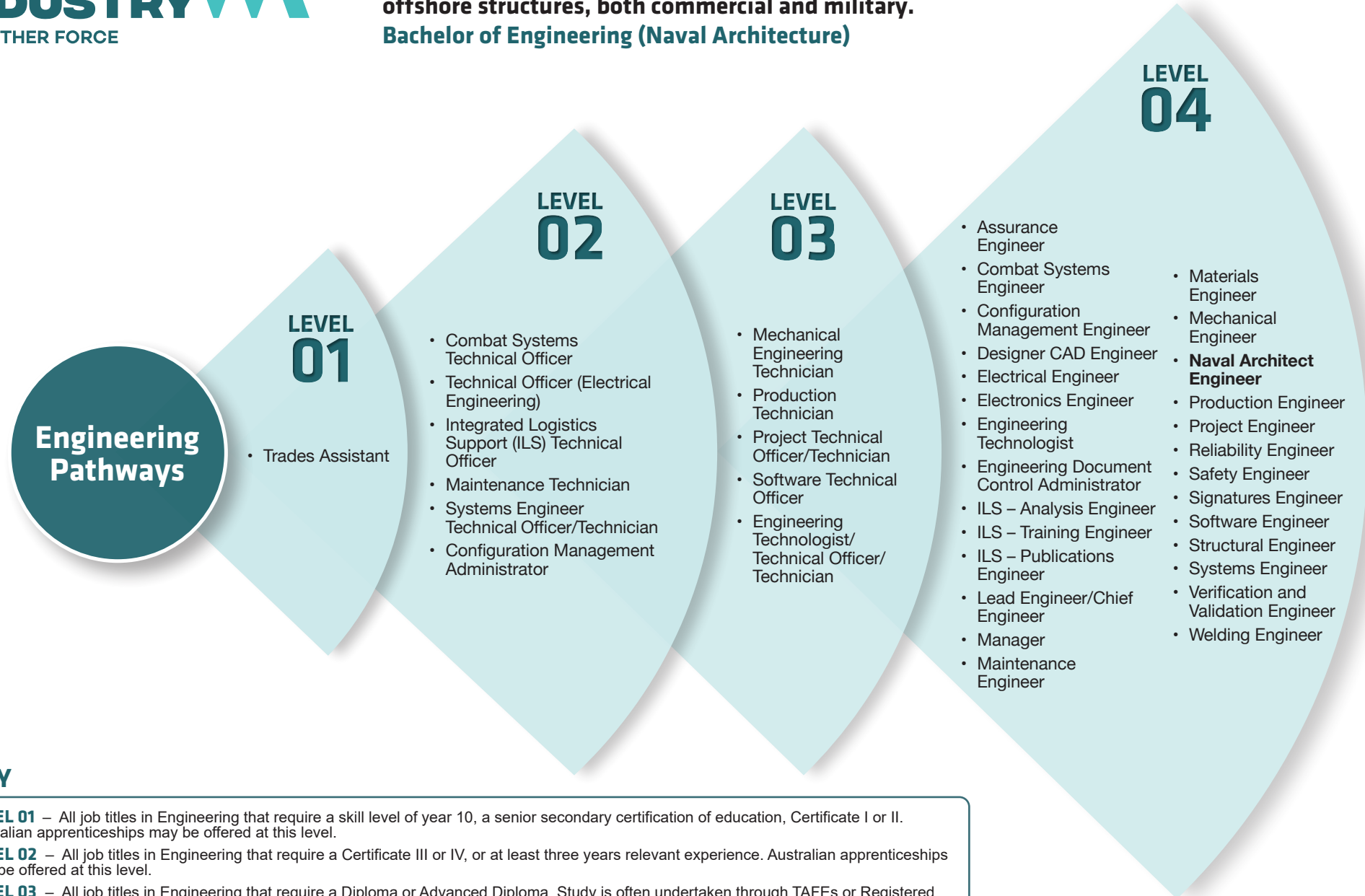
PATHWAY: High school > Australian Maritime College

“ I finished high school in 2016 and then moved to Tasmania to study naval architecture at the Australian Maritime College. I decided to bring my love of maths, science and arts together to build and design ships. Once I completed my degree I came back to Perth to take part in a graduate engineering program with a shipbuilding company that designs and builds ships for the Australian Defence Force.

I am currently part of the sustainment team, looking after the Australian Border Force's cape-class patrol boats. The defence industry has received multibillion-dollar investment and there are **thousands of jobs** coming up. When you get a qualification in the defence industry, **you will have a job for life**. You are never behind the desk in this role and you have the opportunity to design and look after ships. Working in the defence industry gives me **great pride and a sense of achievement**. You get to create **history for Australia's Defence Force** and be part of the industry for a long time. ”



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**Bachelor of Engineering (Naval Architecture)**



**KEY**

**LEVEL 01** – All job titles in Engineering that require a skill level of year 10, a senior secondary certification of education, Certificate I or II. Australian apprenticeships may be offered at this level.

**LEVEL 02** – All job titles in Engineering that require a Certificate III or IV, or at least three years relevant experience. Australian apprenticeships may be offered at this level.

**LEVEL 03** – All job titles in Engineering that require a Diploma or Advanced Diploma. Study is often undertaken through TAFEs or Registered Training Organisations. Some universities offer studies at this level.

**LEVEL 04** – All job titles in Engineering that require a Bachelor Degree or higher qualification. Study is often undertaken at a university.