

Careers in the defence industry- Computer Systems Engineer

Computer Systems Engineers plan for and optimise the overall readiness of computer systems, particularly in multiple operating environments.



**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 computer systems engineer, you usually need to study a degree in engineering, majoring in computer engineering or computer systems engineering.

ETHAN MATTHEWS

Graduate Computer Systems Engineer

PATHWAY: High school > University

“ I have always wanted to be a mechatronic engineer so after I graduated high school I went to Curtin University to study engineering.

I decided to study computer systems engineering as I get to do a bit of electrical, electronics, software engineering and a lot of computer science.

After I completed my studies I joined a graduate engineering program at a shipbuilding company that design and build ships for the Australian Defence Force.

I work in programming and automation where I am looking into alternative fuels for ships in the future.

Working in research and development is **really exciting** as we are looking to the future.

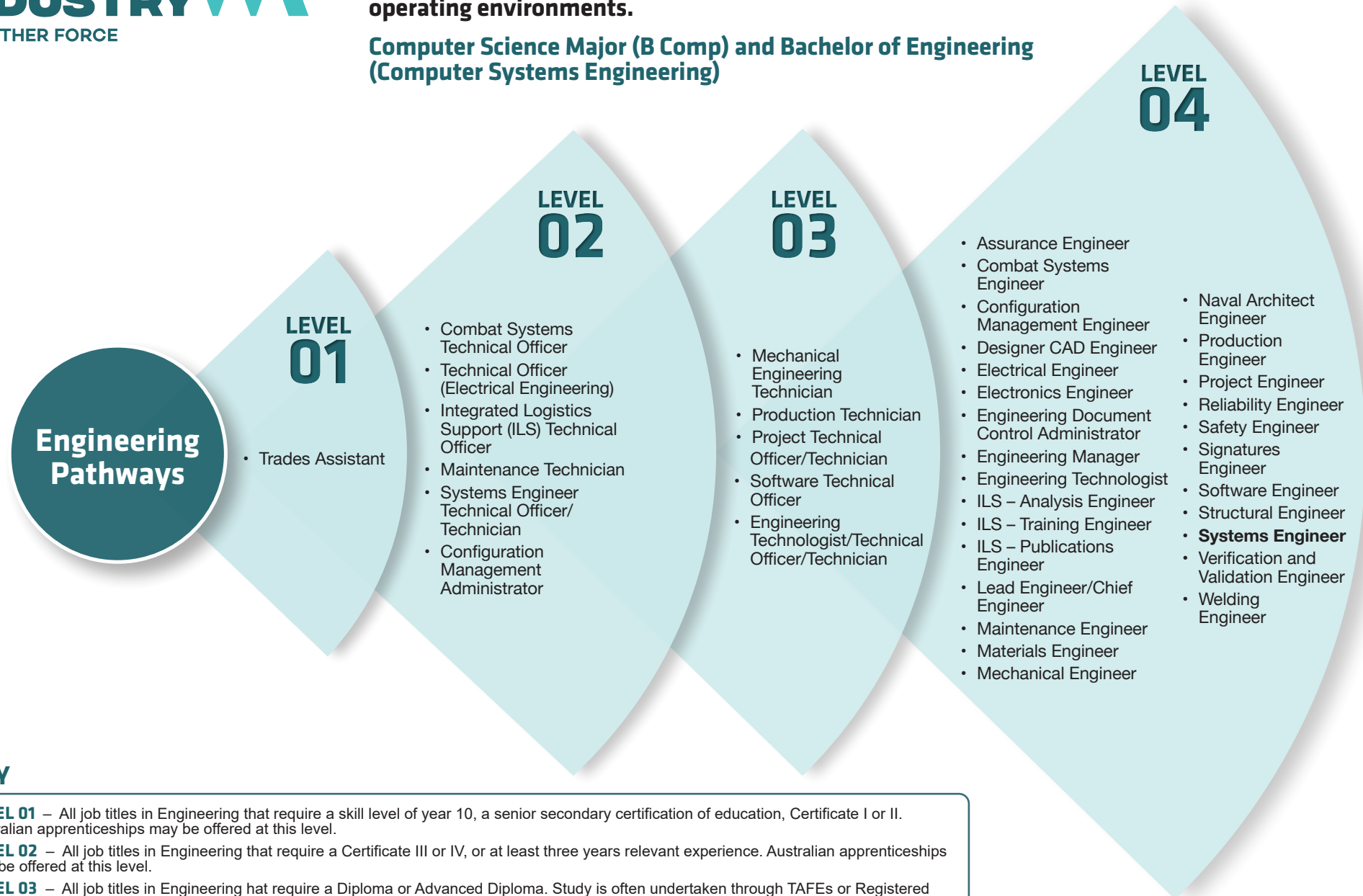
We are not looking at the ship we are building now, we are looking at the ship we will be building in 20 years' time.

When I walk outside and see a big ship being built, it is a **magical feeling** to know I did something that led to this huge ship. ”



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Computer Science Major (B Comp) and Bachelor of Engineering (Computer Systems Engineering)



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.