

**FUTUREyou**

# Imagining the Future of Careers in Space

Find your space in Australia's  
future space workforce



Developed in partnership with



**Australian  
Space Agency**



# Where could your future take you?

Do you enjoy solving problems and working with others?

Are you interested in making the world a better place, or discovering the secrets of the universe?

A career in space might be perfect for you!

Learn about the many exciting jobs available in Australia's space industry and discover jobs that match your interests.

Start dreaming about your career today.







**I want to:**

be part of teams that  
design, build and test  
spacecraft and systems.



# You could be...

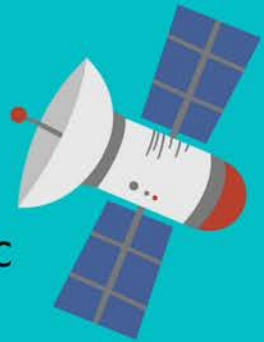


## **A Space Systems Engineer**

They design, build and test spacecraft, launches and ground-based systems.

## **An Electrical, Electronics and Avionics Engineer**

They design, construct, install and maintain electronic and electrical systems, including communications, navigation and control.



## **A Robotics Engineer**

They build, install, operate, test and maintain robots, robotic components, devices and systems.



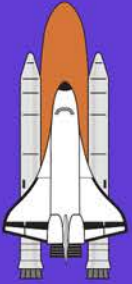


# **I like to:**

create breakthroughs  
in our understanding  
of space and work  
individually, or in  
teams, to research.



# You could be...

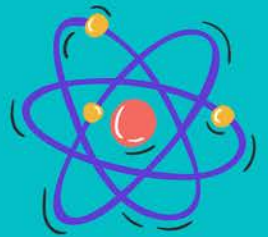


## **A Rocket Propulsion Scientist**

They design, test and manufacture spacecraft propulsion systems using scientific and engineering knowledge.

## **A Space Scientist**

They apply the laws of physics, chemistry and geology to understand the universe.




## **A Flight Surgeon**

They support the health, safety and wellbeing of astronauts, using medical science and technology to prevent and control hazards.





**I like:**



working in a team, using cutting-edge technologies, to develop new processes and pathways to overcome challenges.





# You could be...



## **A CAD Drafter and Designer**

They use computer-aided design to create and modify 2D and 3D designs and drawings.

## **An Engineering Technician**

They design, build and test equipment, conduct experiments, collect data, and identify and solve complex problems.



## **An Engineering Technologist**

They analyse, modify, test and apply new and existing engineering technologies to solve complex issues in consultation with engineers.







# **I want to:**

machine and assemble  
parts and components for  
spacecraft, satellites and  
other systems as part of  
Australia's future in space.



# You could be...



## A CNC Machinist

They interpret and use technical drawings and designs and set up, program, operate and oversee industrial machinery, milling machines and tools to create precision metal parts.

## A Mechanical Technician

They install machinery, parts and equipment in aircraft and spacecraft.



## An Assembly/Assembler Technician

They construct, assemble, fit, fasten and install parts in aeroplanes, spacecraft and satellites.



## A Production Test Technician

They monitor, adjust and test processes and equipment in the production environment.







# **I want to:**

install, test and repair  
electronics, communications  
and control systems, and set  
up, monitor and repair  
automated and robotic  
systems.



# You could be...



## **An Avionics Technician**

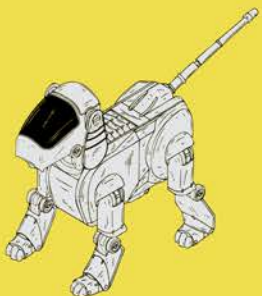
They install, inspect, test, adjust and repair electronic equipment in aircraft and spacecraft.

## **An Electrician and Electrical Technician**

They construct, install, test and repair electrical systems, equipment and components.



## **An Automation and Robotics Technician**



They assist engineers to build, install, operate, test and maintain robots, robotics components, devices and systems.





# **I want to:**

gather and analyse big data, and  
develop software and simulations.



# You could be...

## A Computer Scientist, Data Scientist and Analyst



They collect, organise, interpret and report on data to get useful information for organisations.

## A Software Developer and Software Engineer

They design, program, test, implement and maintain software systems



## An Intelligent Game Developer

They build, program and use systems and games in virtual reality, augmented reality and simulations to analyse data, make intelligent decisions and interact with others in human-like ways.







# **I want to:**

develop the ICT systems and build the cybersecurity frameworks that will secure the Australian space sector's future activities.



# You could be...



## **A Network and Systems Administrator**

They configure, install, maintain and protect software, hardware and the networks.

## **A Cybersecurity Specialist and Manager**

They plan and implement security measures to protect computer networks and systems from cyber attacks.





# **I want to:**

play a major role in the successful running of Australian space sector projects and missions.



# You could be...



## A Work, Health and Safety Officer

They look after health and safety systems, do risk assessments and advise managers and employees.

## A Space Lawyer

They provide advice and prepare legal contracts and documentation to ensure everything is in line with Australian treaties and international laws.



## A Space Business Development Manager



They identify, build and plan new customer and business proposals to find new business opportunities.

## A Project Manager and Mission Manager

They plan and manage resources for projects to deliver on time and on budget.





**I love space:**

and want to communicate  
and design assets that  
educate the world about  
Australia's exciting and  
critical role in space.





# You could be...



## A Space Communicator

They promote or create a good image for people and space industry companies to increase awareness of their goals and achievements.

## A Graphic Designer

They produce images, illustrations, videos, photos and animation to promote space concepts and companies.



## An Education Outreach Officer

They plan and deliver educational activities for school and higher education students.

## A Media and PR Officer

They build interest in companies with media, government and the public by creating advertising, events, social media, print-based and online content. They translate complex information into content everyone can understand.





For more information about these careers and other exciting careers in space, visit:

<https://www.industry.gov.au/australian-space-discovery-centre/pathways-career-space>

To see some of these careers brought to life, read the Imagining the Future story series at:

<https://futureyouaustralia.com.au/imagining-the-future/>

**Developed in partnership with**



**FUTURE  
you**

**[www.futureyouaustralia.com.au](http://www.futureyouaustralia.com.au)**