

Pathways to a job in...

Information Technology, Systems and Data

EDUCATION

Senior Secondary

VCE, VCE VM, Victorian Pathways Certificate,
Visual Arts, Design & Technologies,
Mathematics, Science, English,
Digital Technologies

VET

Certificate II in Electronics,
Certificate III in Electronics and Communications,
Certificate III in Electrotechnology Electrician,
Certificate IV in Electrical Instrumentation,
Certificate IV in Information Technology,
Diploma of Information Technology (Networking),
Diploma of Electrical Engineering,
Diploma of Electronics and Communications,
Associate Degree in Electronic Engineering,
Certificate II-IV in Aeroskills,
Diploma of Aircraft Maintenance Engineering,
Diploma of Screen and Media,
Advanced Diploma of Information Technology



Higher Education

- Bachelor of Computer Science
- Bachelor of Mathematics and Computer Science
- Bachelor of Applied Data Analytics
- Bachelor of Software Engineering
- Bachelor of IT
 - Software Development
 - Networking and Cyber Security
 - Simulation and Serious Games
- Bachelor of Creative Industries
- Bachelor of Engineering
 - Computer and Network Engineering
- Master of Cyber Security
- Master of Information Technology
 - Software
 - Network and Cybersecurity Systems
- Master of Data Science
- Master of Machine Learning
 - AI

To find out more about these jobs and how to get there, check out the ASA Careers in Space booklet.

POSSIBLE ROLES

Avionics Technicians, Electricians and Electrical Technicians,
Automation and Robotics, Technicians, Computer Scientists,
Data Scientists and Analysts, Software Developers and
Software Engineers, Intelligent Game Developers,
Network and Systems Administrator,
Cyber Security Specialists and Managers



Pathways to a job in... Engineering and Design



EDUCATION

Senior Secondary

VCE, VCE VM,
Victorian Pathways Certificate,
Visual Arts, Design & Technologies,
Mathematics, Science, English,
Digital Technologies

VET

Certificate II – IV in Engineering,
Diploma of Engineering – Technical,
Diploma of Engineering Technology,
Diploma of Digital Technologies,
Diploma of Applied Technologies,
Advanced Diploma of Electronics and
Communications Engineering



Higher Education

- Bachelor of Engineering
 - (Mechanical and Advanced Manufacturing)
 - Honours (Mechanical)
 - Honours (Electrical and Electronic)
 - Honours (Mechanical and Mechatronic)
 - Honours (Electrical and Mechatronic)
 - Honours (Robotics)
- Bachelor of Engineering Technology
 - (Electronic Systems and Security)
- Bachelor of Digital Technologies
- Bachelor of Engineering Technology
- Bachelor of Product Design

*For higher level industry and research jobs,
postgraduate study at Masters and/or PhD
level is recommended.*

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and how to get there, check out
the ASA Careers in Space booklet.*

POSSIBLE ROLES

Space Systems Engineers, Electrical,
Electronics and Avionics Engineers,
Robotics Engineers, CAD Drafters and Designers,
Engineering Technicians, Engineering Technologists



Pathways to a job in...

Science, Testing and Manufacturing

EDUCATION

Senior Secondary

VCE, VCE VM,
Victorian Pathways Certificate,
Design & Technologies, Mathematics,
Science, English, Digital Technologies,
Health and Physical Education

VET

Certificate II – IV in Engineering,
Diploma of Engineering – Advanced Trade,
Certificate II – IV in Aeroskills,
Diploma of Aircraft Maintenance Engineering,
Diploma of Applied Technologies



Higher Education

- Bachelor of Science
 - Physics/Chemistry,
 - Biochemistry,
 - Biomedical Science,
 - Mathematical Science,
 - High Performance Computational Physics,
 - Geographical Information Systems Statistics,
 - Space Science and Astrophysics Geoscience,
- Bachelor of Computer Science
- Bachelor of Mathematical Sciences
- Bachelor of Medicine
- Bachelor of Surgery

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POSSIBLE ROLES

Avionics Technicians, Electricians and Electrical Technicians,
Automation and Robotics, Technicians, Computer Scientists,
Data Scientists and Analysts, Software Developers and
Software Engineers, Intelligent Game Developers,
Network and Systems Administrator,
Cyber Security Specialists and Managers



Pathways to a job in...

Operations and Communications

EDUCATION

Senior Secondary

VCE, VCE VM,
Victorian Pathways Certificate, Visual Arts,
Design & Technologies, Mathematics,
Science, English, Business and Economics,
Health and Physical Education,
Digital Technologies

VET

Certificate IV in Work Health and Safety,
Certificate IV in Project Management Practice,
Certificate IV in Marketing and Communication,
Diploma of Project Management,
Diploma in Work, Health and Safety,
Diploma of Marketing and Communication,
Diploma of Graphic Design,
Advanced Diploma of Graphic Design



Higher Education

- Graduate Certificate in Organisational Safety and Human Factors
- Graduate Certificate and Masters programs in Project Management
- Bachelor of Law
- Bachelor of Commerce
- Bachelor of Business
- Bachelor of Project Management
- Bachelor of Marketing
- Bachelor of Marketing and Communication
- Bachelor of Media
- Bachelor of Creative Arts
- Bachelor of Science with a Bachelor/ Master of Teaching

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POSSIBLE ROLES

Work Health and Safety Officers, Space Law,
Space Business Development, Project Managers
and Mission Managers, Space Communicators,
Graphic Designers, Education Outreach, Media and PR

