



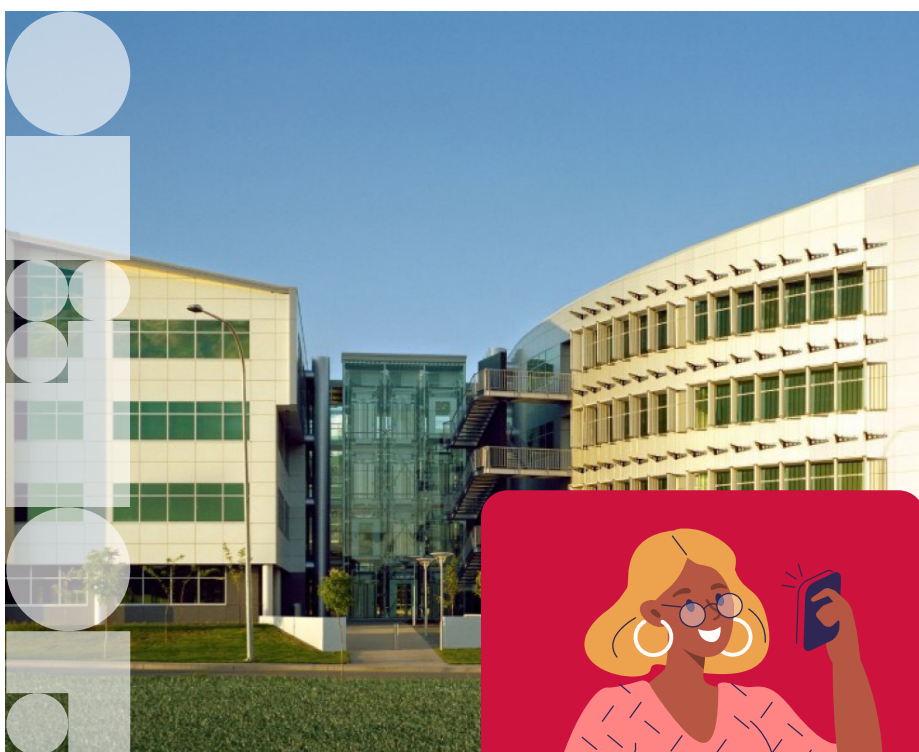
Australian Government
Australian Signals Directorate

ASD AUSTRALIAN
SIGNALS
DIRECTORATE

JUNE 2020

ASD OUTREACH NEWSLETTER

ISSUE 01



Welcome to the ASD Outreach newsletter. We are incredibly excited to showcase some of the exciting programs we support and hope you will discover some new opportunities along the way.

The programs in this newsletter are targeted to secondary students wanting to stretch their knowledge and for those planning the next steps in their study and career pathway.

Teachers and Career Advisors - we hope you can pass on some of these wonderful opportunities to the students in your school.



COVID-19

Due to government advice and direction, our face-to-face programs are on hold until further notice. This will prevent the two July sessions of the Work Experience Program from occurring and has caused the first two workshops of Girls' Programming Network to be cancelled. We hope you enjoy the newsletter!

ASD Work Experience Program 2020

ASD Apprenticeships

Defence Civilian Undergraduate Sponsorship

Girls' Programming Network

myfuture

ASD CyberEXP

Find out more about all our different programs at
asd.gov.au/careers/student-opportunities

For further information on ASD, please visit our
website asd.gov.au

If you have any questions on the programs
mentioned in this newsletter, please email us on
asd.acpi.outreach@defence.gov.au



ASD Apprenticeships

Be mentored by technical experts as you start your career in ICT or Cyber Security.

As an apprentice at ASD, you will get given an opportunity to work and study at the same time. You will be part of a team responsible for delivering critical IT or cyber security in support of ASD's mission whilst completing either a Certificate IV or Diploma in an area of study chosen by your employer.

There is flexibility to work in a variety of areas such as application development, programming, systems testing, interactive media, graphic design, cyber security plus many more!

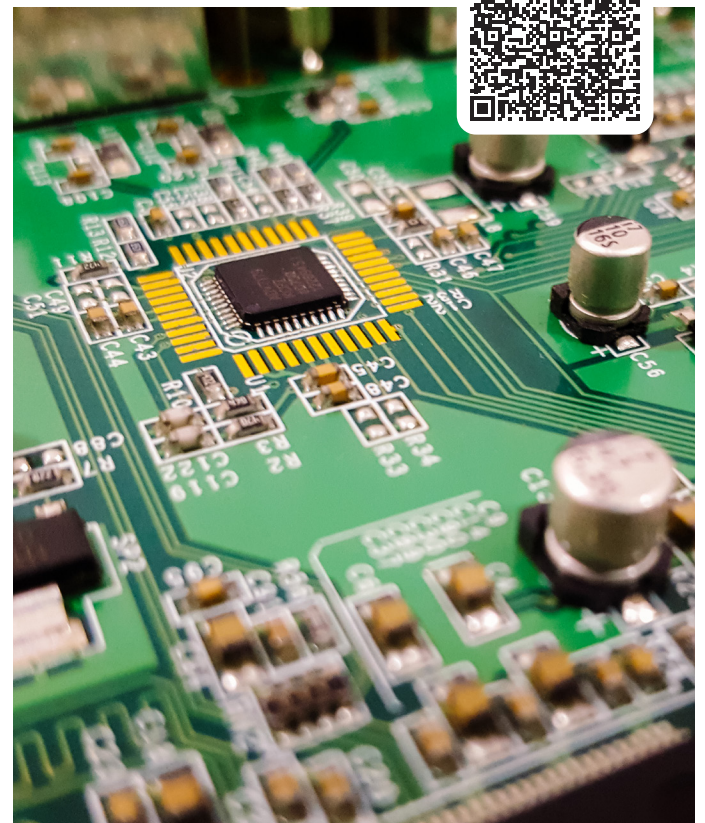
The program is for students who are currently completing their Year 12 certificate and would like to consider alternative options to university.

Applications for the ASD Apprenticeships will open in May 2020 through the Digital Transformation Agency (DTA) website.



FURTHER INFORMATION

<https://www.dta.gov.au/help-and-advice/learning-and-development/start-your-digital-career-government/digital-apprenticeship-program>



ASD Work Experience Program

Are you passionate about IT, cybersecurity, programming or engineering?

Over the past 8 years, ASD has run a work experience program for high-performing Year 11 and 12 students who are interested in further studies in STEM-related fields. We had 48 students complete the program last year, with over 60% of placements from outside of Canberra!

Students will see what it's like to solve a cyber security incident and learn about the tools and techniques required to solve these problems whilst gaining exposure to other areas of ASD during their time at the Australian Cyber Security Centre, Canberra.

Student feedback has been consistently positive, with the majority stating that the experience was amazing and that they enjoyed extending their knowledge and meeting new people.

"This was probably the best work experience I could be exposed to. It was a very engaging and challenging program, which I thoroughly enjoyed and will be recommending to others"

- Sarah, 17

We are now accepting applications for our 2020 sessions.



FURTHER INFORMATION

<https://www.asd.gov.au/careers/student-opportunities>



Defence Civilian Undergraduate Sponsorship (DCUS)

Your degree, fee free

Thinking of studying computing science and cyber security at university?

Did you know that you can pursue a degree through the University of New South Wales at the Australian Defence Force Academy (ADFA) as a civilian student? ASD, in partnership with Defence, sponsor undergraduate placements which provides full tuition fee coverage, a generous bursary of \$2000 per year of study, and paid work experience placements.

The DCUS program offers undergraduate degrees in Engineering and Cyber Security, and is aimed at Year 12 students looking to continue into university studies.



FURTHER INFORMATION

<https://www.unsw.adfa.edu.au/study/undergraduate/dcus>



UNSW
CANBERRA



ADFA
AUSTRALIAN DEFENCE FORCE ACADEMY



WANTED

Girls' Programming Network MENTORS!

Do you excel at programming or STEM?
Consider volunteering to tutor at a GPN workshop! No prior experience is required, we provide all the guidance you will need. It will be a great addition to your resume and you'll be supporting the next generation of coding girls!

If you'd like to give tutoring a go, please send an email to canberragpn@gmail.com



Girls' Programming Network

Girls teaching girls how to code!

The Girls' Programming Network is a community of women and girls who are interested in computer science, programming and information technology. Workshops are held once per term for girls in Year 4-12, and they are run by GPN tutors - local women studying or working in IT in industry, academia and government.

Workshops are topic based and tutors teach the girls how to solve fun programming projects. There is also food to eat, friends to make and other fun activities to be had!

ASD has had a long-standing relationship with the Girls' Programming Network and supports the Canberra node of this fantastic program. The workshops are free and no prior coding experience is necessary!

Hope you can come along to our next event!



FURTHER INFORMATION

<https://sites.google.com/site/girlsprogrammingnetwork/>



Brain Teaser

All of these quotations have a common theme.
Can you decipher them?

YRIG JZDS DIBKI PRS SUZG DYJUE JUE
PJTY. - NSRU OTZYSU

JZZ YRTUWD HSOI BSFUE YS RTO PRS
PTZZ VFY PJTY. - RIUBG PJEDPSBYR
ZSUWXIZZSP

PI HSFZE UIKIB ZIJBU YS VI VBJKI
JUE LJYTIUY, TX YRIBI PIBI SUZG
NSG TU YRI PSBZE. - RIZIU QIZZIB

YRTUWD OJG HSOI YS YRSDI PRS PJTY,
VFY SUZG YRI YRTUWD ZIXY VIRTUE
VG YRSDI PRS RFDYZI. - JVBJRJO
ZTUHSZU

Hint: Don't give up too soon. The code itself reveals a clue to the theme.



Shape your future

myfuture is a government funded initiative providing students with information that assists with career planning and pathways.

ASD has recently become a partner with myfuture and has provided a number of case studies for cyber security roles that showcase the diverse pathways each staff member followed and how they made their way to ASD.

If you're interested in discovering roles such as Vulnerability Researcher, Operations Manager, Malware Analyst, Intrusion Analyst, Incident Responder and Penetration Tester, visit myfuture!



FURTHER INFORMATION

<https://myfuture.edu.au>



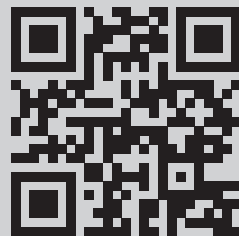
ASD CyberEXP

Cyber career exploration and discovery

ASD CyberEXP is an interactive online cyber career exploration platform that will take you through a day in the life of five ASD cyber security experts in the Australia Cyber Security Centre working to secure the government's information, services and personnel.

You will participate in real-life cyber scenarios, discover the skills and tools used by these ASD mentors, and explore a number of careers available in security today. Student and teacher events are held throughout the year that draw on the ASD CyberEXP to highlight cyber security careers.

Give it a go today and explore different career journeys!



ASD CyberEXP is free to all Australian schools, teachers, parents and students through <https://asdcyberexp.com.au>

Discover your ASD CyberEXP Mentors



Jessica
Operation Coordinator



Sarah
Intrusion Analyst



Alex
Penetration Tester &
Vulnerability Researcher



Josh
Malware Analyst



Michelle
Incident Responder