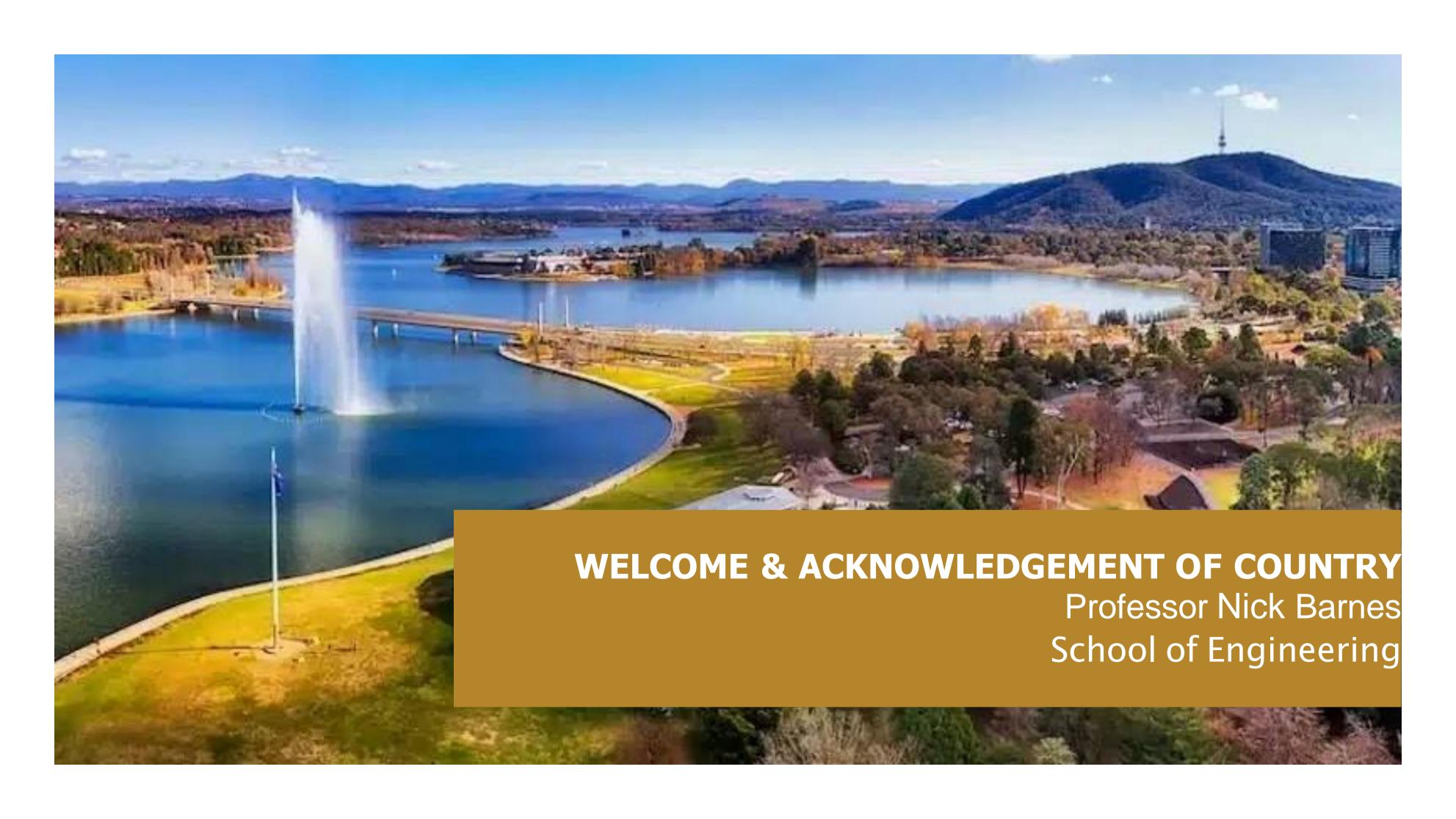


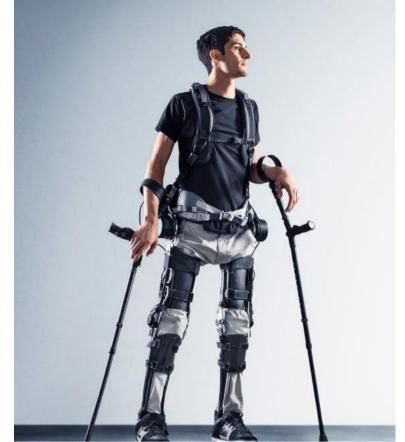
WELCOME TO THE

SCHOOL OF ENGINEERING

ANU O WEEK















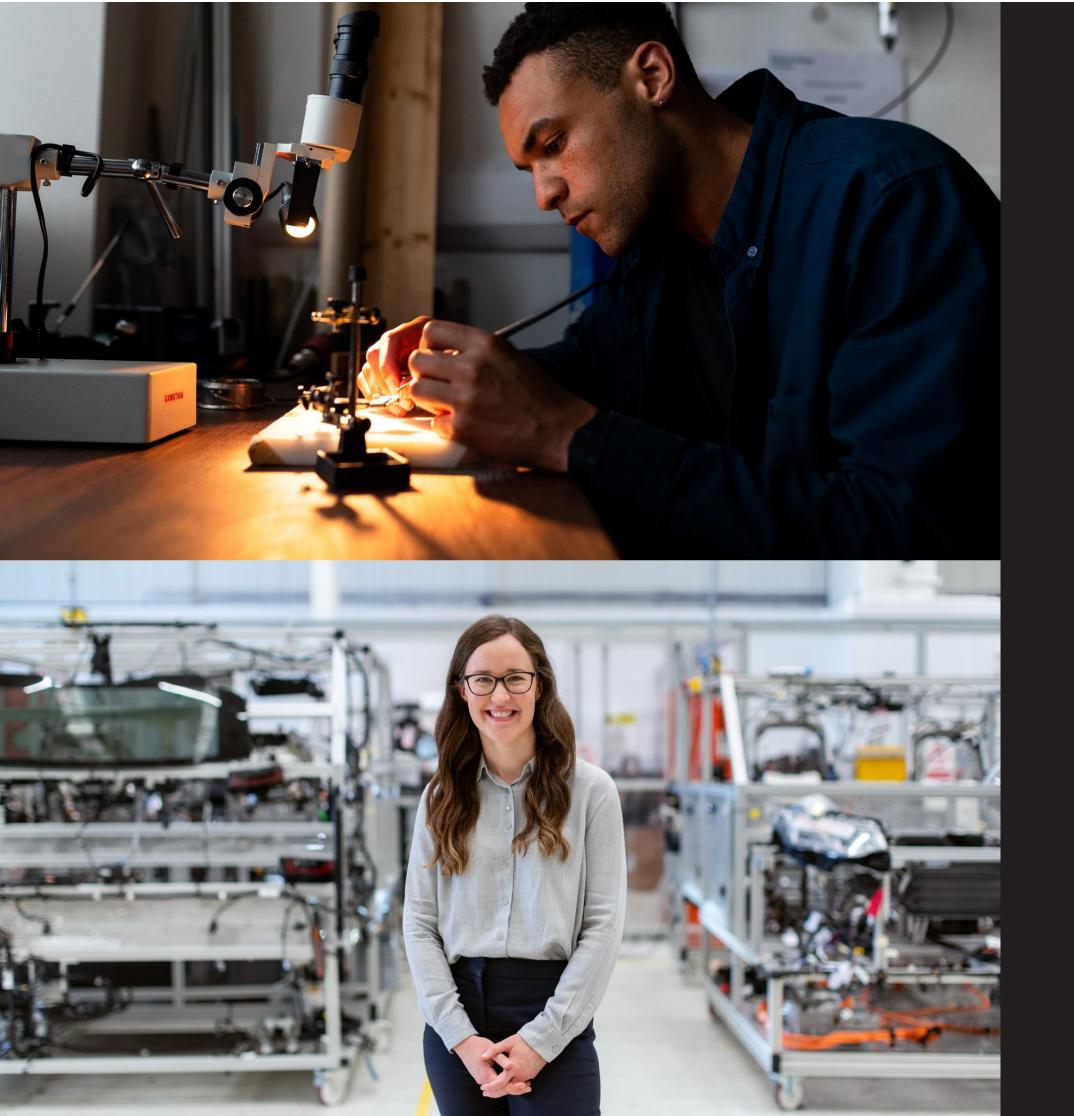


~100 academic staff (including postdocs), 20 technical and administrative staff, ~100 PhD Students, ~900 undergraduate students and ~75 masters students









SOEN EDUCATIONAL OFFERINGS

- Bachelor of Engineering
- Bachelor of Engineering —
 Research & Development
- Bachelor of Engineering in Software Engineering
- Masters of Engineering

UG Majors

- Electronic and Communications Systems
- Mechatronic Systems
- Renewable Energy Systems
- Environmental Systems
- Aerospace Systems
- Nuclear Systems

PG Degrees

- Energy Systems
- Electrical Engineering
- Robotics, Automation and Control

Ranking In The World

Australian National University (ANU) is driven by a culture of excellence in everything we do. ANU leads in Australia for the best student-to-staff ratio¹ and ranks first in the country for graduate employability².

- 1. THE World University Rankings 2024
- 2. THE Global University Employability Rankings 2023-2024

WORLD RANKINGS



#21

in the world in Automation and Control

(Global Ranking of Academic Subjects 2022)



#58

in the world for Electrical and Electronic Engineering

(QS 2024 rankings)



#56

in the world in Computer Science & Information Systems

(QS 2024 rankings)



#80

in the world in the area of Engineering & Technology

(QS 2024 rankings)

OUTLINE

- 1. Director Welcome (Prof. Nick Barnes) [1:30-1:35pm]
- 2. Systems Engineering (A. Prof. Fiona Beck) [1:35-1:45pm]
- 3. Student Support (1:45-2:20pm)

Student Services, Employability and Experience

Library Services

Respectful Relationships Unit

Student Wellbeing

Diversity, Belonging, Inclusion and Equity

- 5. Tour of Facilities (2:20-2:45pm)
- 6. Program Convenor Sessions (2:45-3:15pm)
- 7. Afternoon Tea



BACHELOR OF ENGINEERING

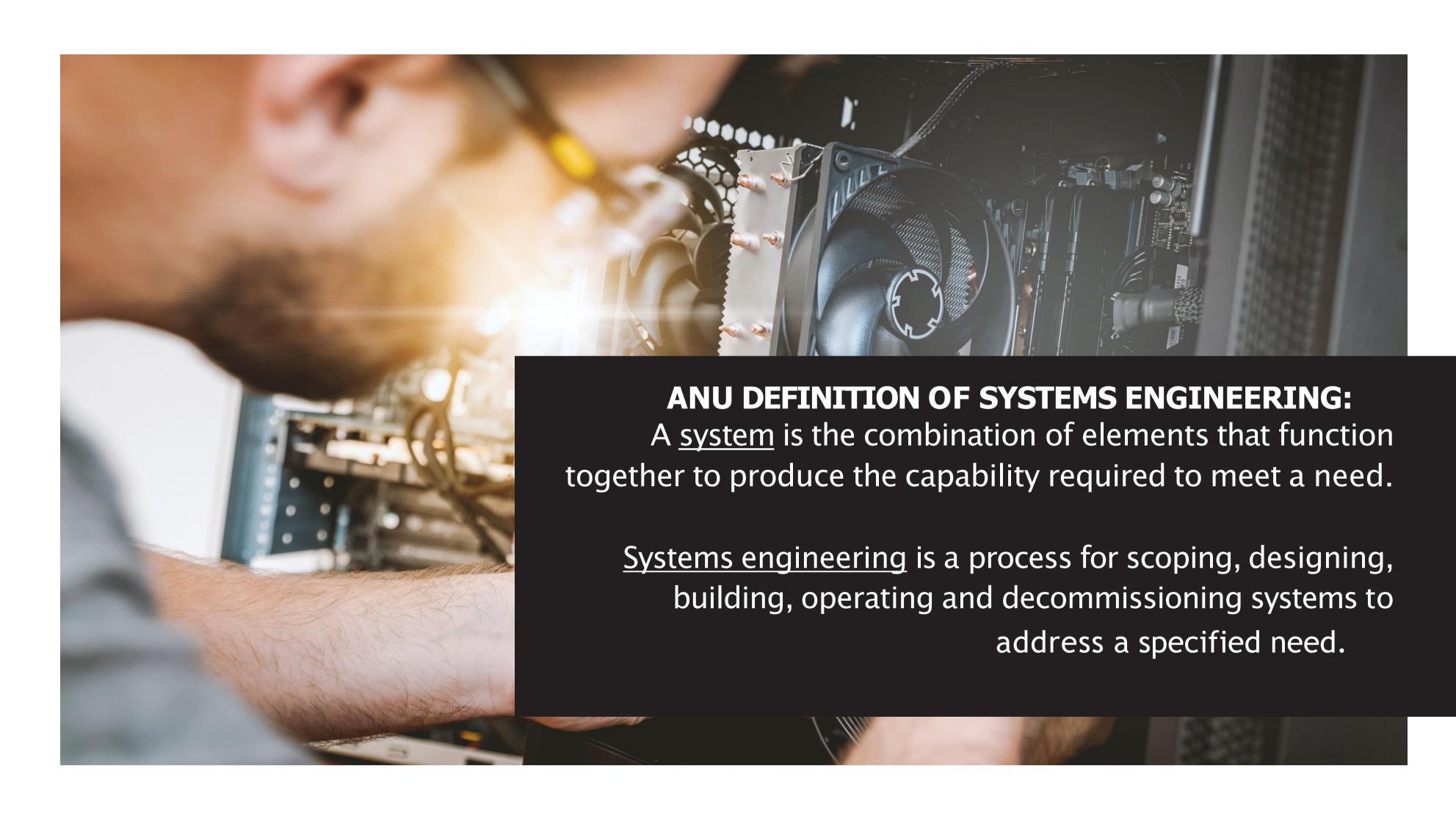
ENGN 4300 Capstone Project Year 4 **ENGINEERING MAJOR ELECTIVES ENGN 4350** Personalised A set of courses providing **Individual Project** development of depth in a technical field breadth or depth and multidisciplinary skills **SYSTEMS** Year 3 **ENGINEERING** A core of systems engineering courses Year 2 **ENGINEERING FUNDAMENTALS** Essential maths, physics, computing, electronics and mechanics Year 1

MASTER OF ENGINEERING

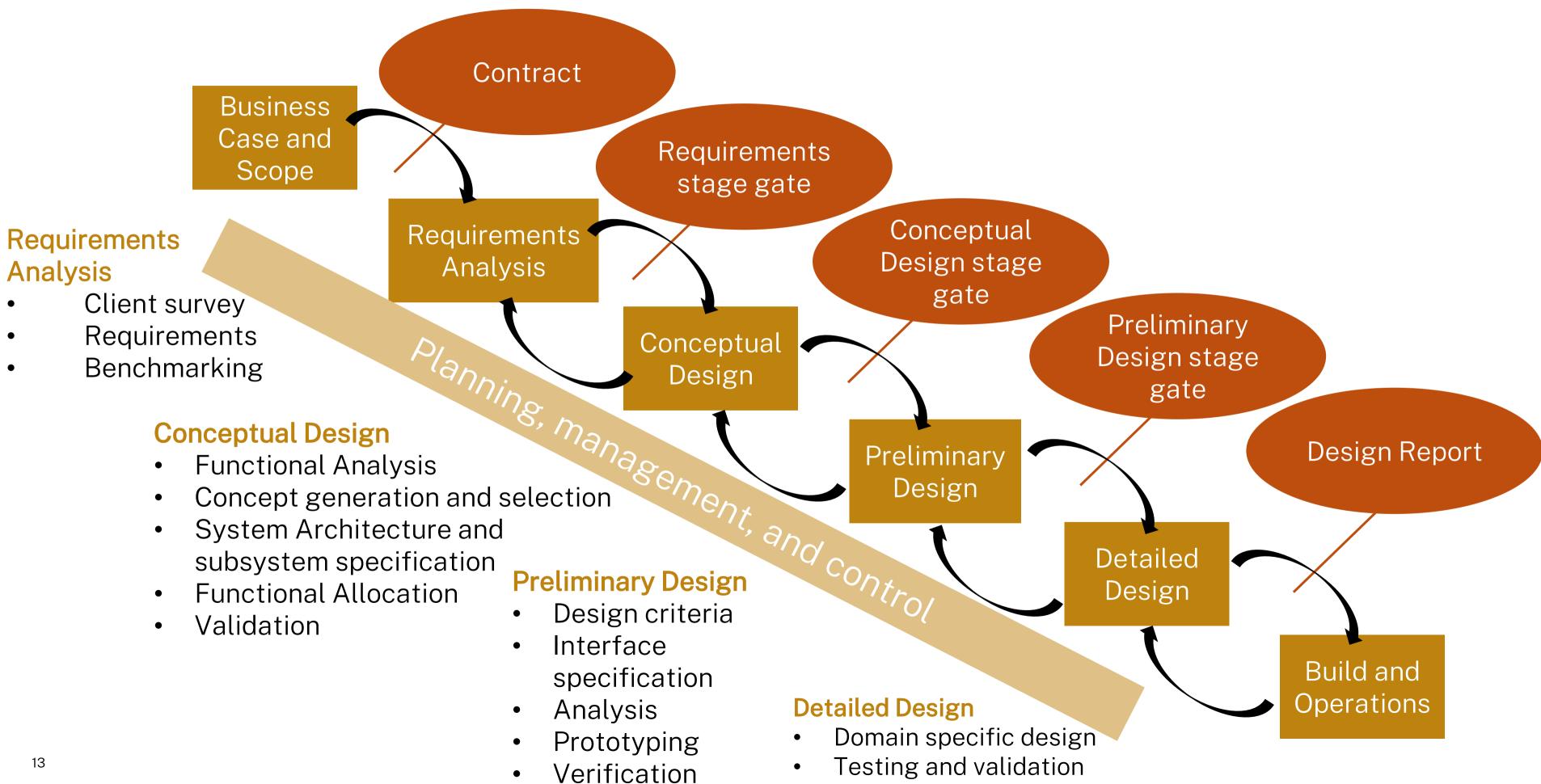
YEAR 1	Professional core (24 units)		ENGN6XXX technical specialisation (24 units)
YEAR 2	Group Project (12 units)	University Electives (12 units)	ENGN8XXX technical specialisation (24 units)



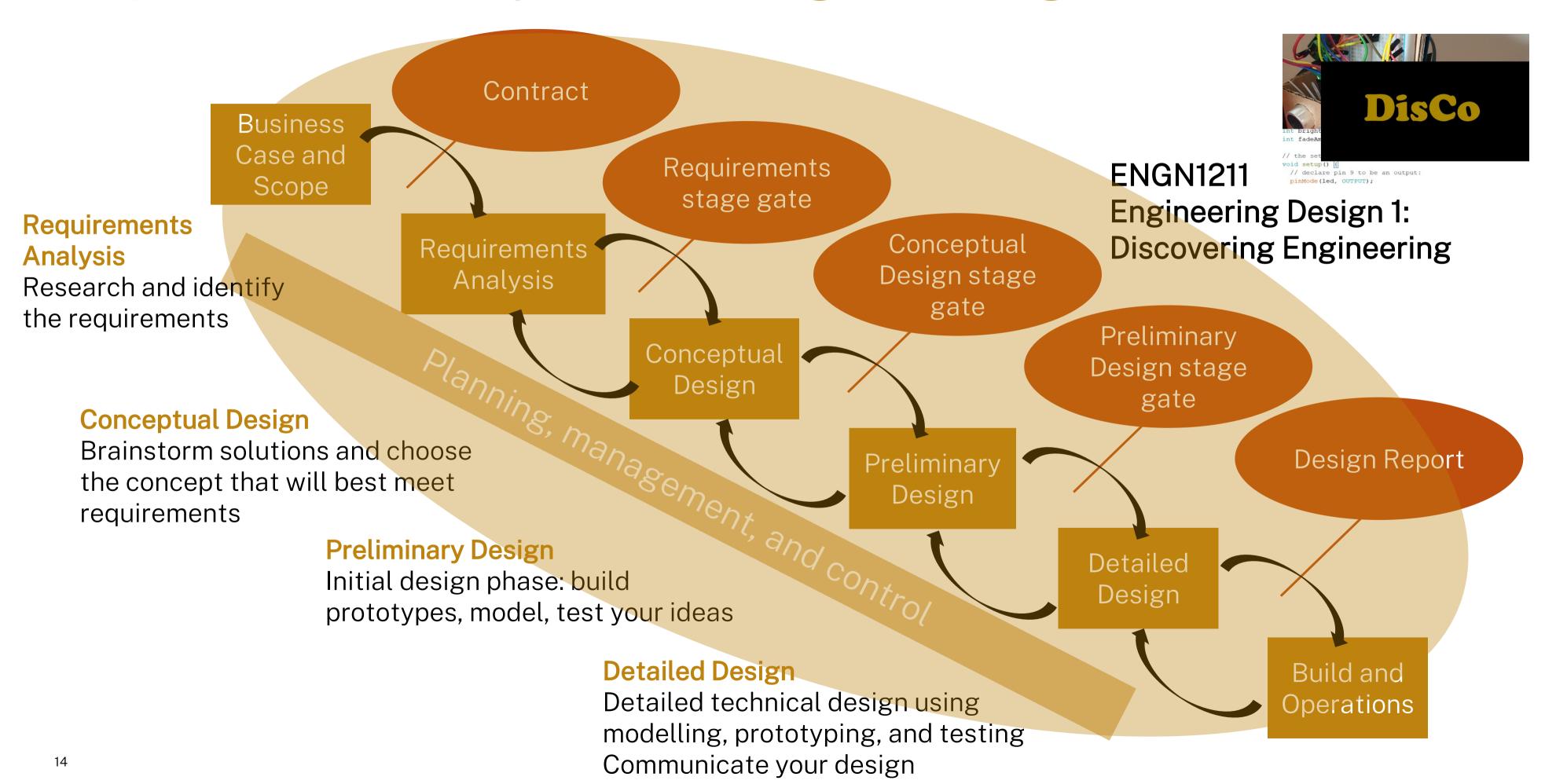




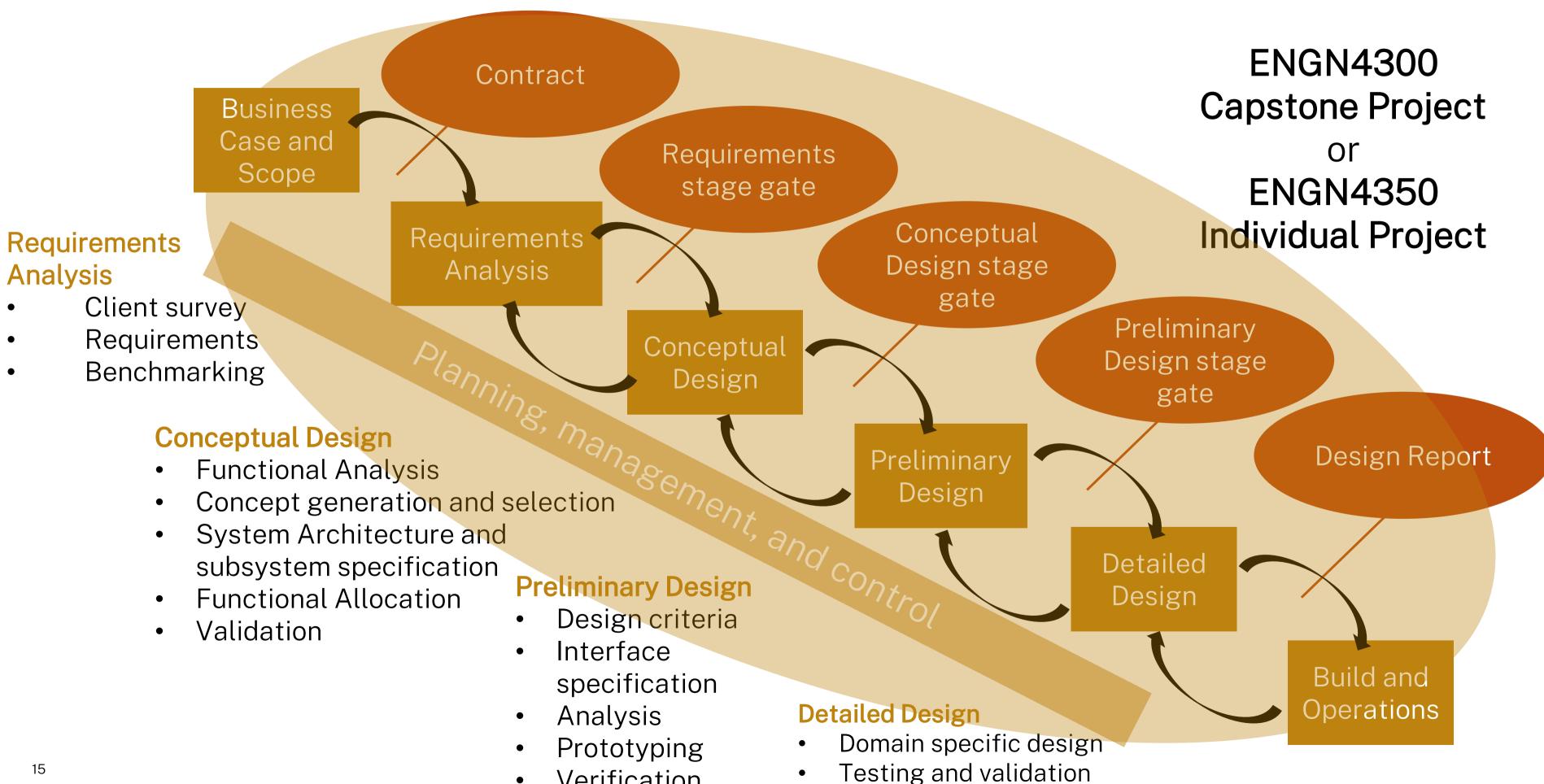
ANU Systems Engineering Process (ASEP)



Simplified ANU Systems Engineering Process (ASEP)



ANU Systems Engineering Process (ASEP)



Verification

Humanitarian Engineering Minor

Extends a discipline major to explore how to apply that to complex humanitarian and development situations

FOUR COURSES CONSISTING OF:

- 1. Introduction to development course (from an elective list)
- 2. Engineering for a Humanitarian Context course (ENGN3013). Can be combined with immersive experiences with partners overseas.
- 3. Humanitarian and development context elective course
- 4. Multidisciplinary elective course



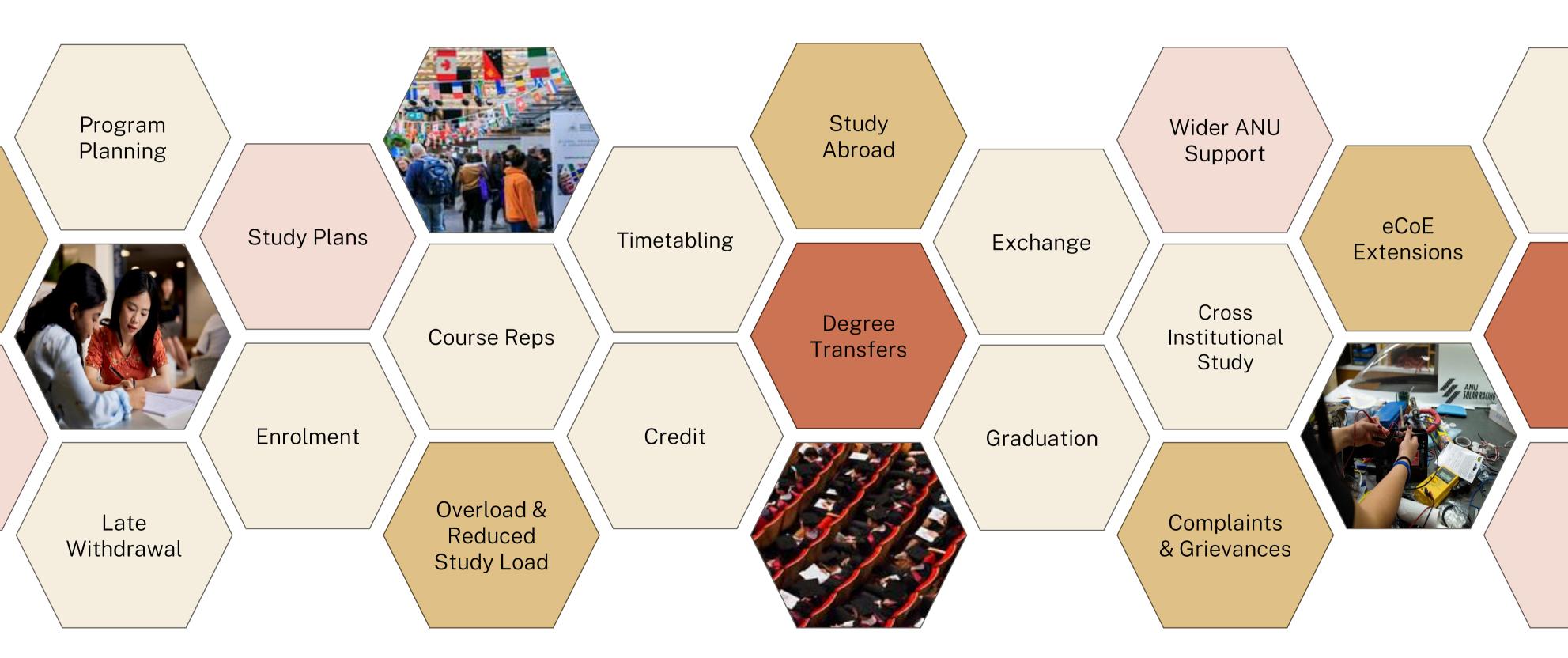


STUDENT SERVICES & EMPLOYABILITY

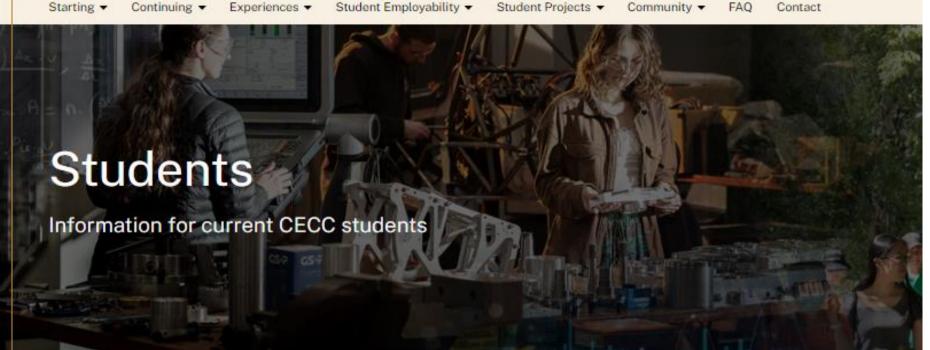




STUDENT SERVICES - What we do







Information for students

Welcome to the College of Engineering, Computing and Cybernetics (CECC) Students' site.

Whether you are a continuing CECC student or just starting out, the CECC Students site has resources and information to help you manage your program, get involved in social, academic, and work integrated learning programs, discover a range of learning abroad opportunities and stay well.



CECC Students website

Our website provides students with information on our processes and answers to frequently asked questions. Explore detailed guides, helpful resources, and get all your queries addressed in one convenient place.

Bookmark this page!





STUDENT EMPLOYABILITY - What we do

Careers Work Integrated Placement Workshops & Learning (WIL) Insurance Events WIL Legal **Industry Group** Agreements & Compliance **Projects** Assurance Work, Health & Internship Safety Risk Recruitment Assessments Internship & Internship Advice Work Experience Enrolment



More in student-

Internships

employability

Current Opportunities

Work Experience



Industry Group Projects

Explore Capstone and TechLauncher

-



Internships

Understand Internships at CECC

-



Current Opportunities

Learn about opportunities for CECC students.

-



Work Experience

Understand more about Work Experience for CECC students.

>

CECC Student Employability webpage

Many student opportunities including a range of career related experiences, internships, jobs, graduate programs, workshops, networking events, are shared on the Student Employability webpage.

For any questions or to book an appointment, please email studentemployability.cecc@anu.edu.au





Student Code of Conduct

- ·Our Values: Fairness, kindness, and respect in all interactions.
- ·Mandatory Training: Complete the Rights, Relationships, and Respect online training.
- Understanding Decisions:
- Learn the rules and responsibilities
 Manage expectations realistically
- ·Respectfully seek clarification when needed
- ·Support: Our team is here to help with advice and referrals throughout your degree.





SUPPORT SERVICES & RESOURCES

CECC

Seek help early!

- Student Services & Employability
- Conveners
- CECC Associate Dean (Education)
- School Associate Director (Education)

Wider ANU



- ANU Health
- Student Central
- Counselling
- Respectful Relationships Unit
- Accessibility

- Academic Skills
- ANUSA

YOU

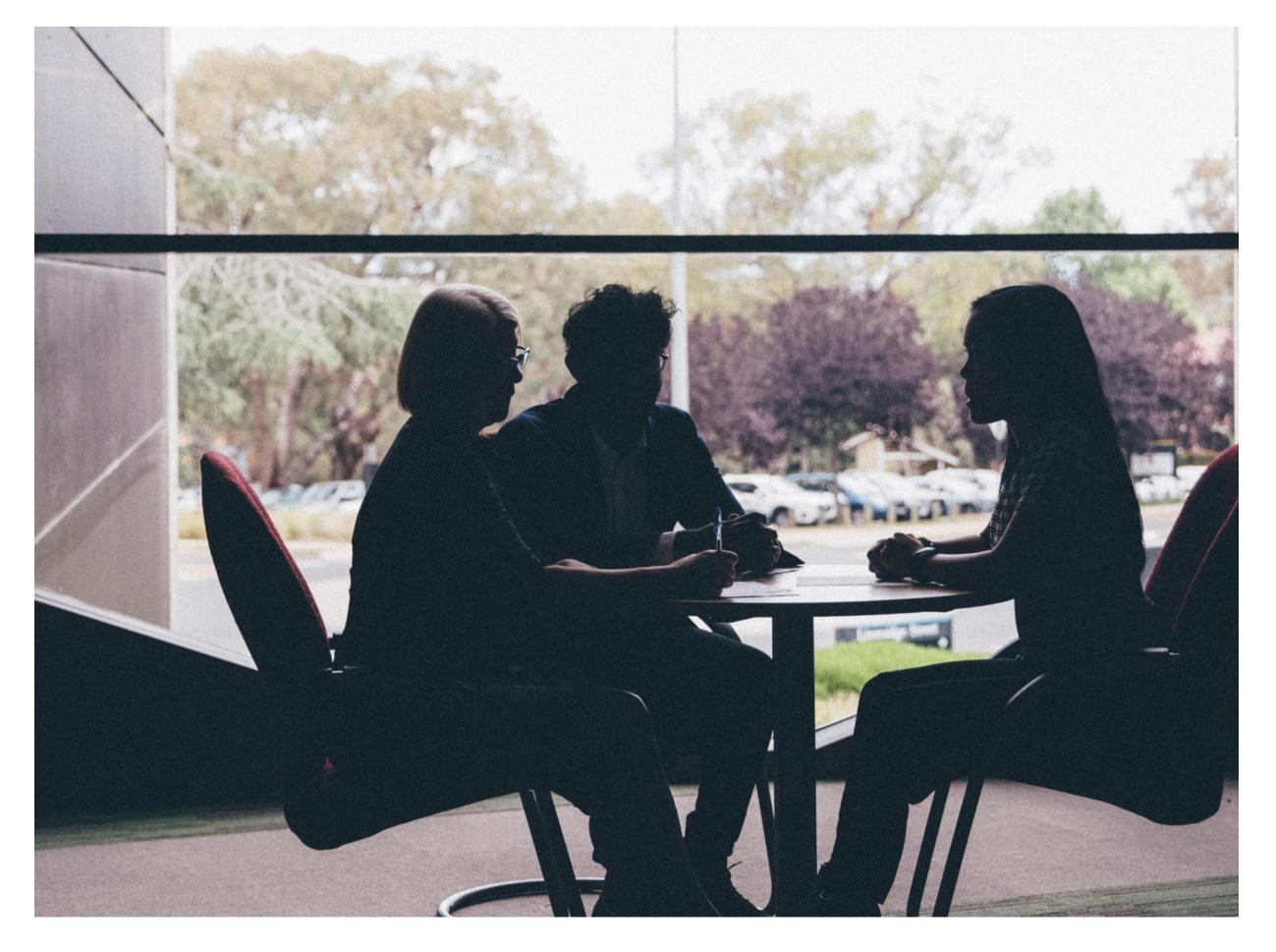
- Dean of Students
- Careers
- Security



ANU Accessibility

Supports students with disabilities, mental health conditions, chronic illnesses, short-term health issues, carers, and elite athletes.

Apply for your Education Access Plan (EAP) early. Don't wait!





Your voice matters



A core part of partnership between students and the University.



Student Services: studentadmin.cecc@anu.edu.au



We monitor course development, academic development and student satisfaction.

SoEN Associate Director Education: adir.education.eng@anu.edu.au

CECC Associate Dean Education: ad.education.cecc@anu.edu.au



The Student Experience of Learning and Teaching (SELT)

ANUSA: sa.admin@anu.edu.au



Class Representatives

Ensure student voices are heard by course conveners, lecturers, tutors, and the College.

Gain interpersonal, dispute resolution, leadership, and communication skills valued by employers.

Play an active role in shaping the direction of your education.

Stay informed about issues impacting the university and higher education.

Influence course design and delivery, contributing to current and future improvements.





CONTACT YOUR CONVENERS

Bachelor of Engineering (Honours)	Xiangyun (Sean) Zhou	beng.cecc@anu.edu.au
Bachelor of Engineering (Research and Development) (Honours)	Daniel MacDonald	bengrd.cecc@anu.edu.au
Bachelor of Engineering (Honours) in Software Engineering/Bachelor of Software Engineering	Alex Potanin	BSENG.convener.comp@anu.edu.au
Master of Engineering Programs	Philipp Braun	meng.cecc@anu.edu.au



CONTACT US



studentadmin.cecc@anu.edu.au

studentemployability.cecc@anu.edu.au



Drop into and see us at Level 2, CSIT Building 108, between 10:00am – 4:00pm, Monday to Friday.



Book an appointment with us via <u>Career Hub</u> (choose 'CECC Student Appointments' tab).



INCLUSIVE AND RESPECTFUL COMMUNITIES

(Previously known as the Respectful Relationships Unit)

Supporting ANU communities to change the systems and cultures that drive sexual assault and sexual harassment.



What do we do?

Cultural change initiatives

Provide consultation for operational and strategic planning

Support restorative approaches to planning, group and team work, debriefing issues or events

Provide consultation on inclusive practice

Prevention and consultation support

Sexual Violence Prevention Toolkit

Rights, Relationships and Respect e-learning module

Prevention initiatives for specific community needs and contexts

Bespoke training and workshop offerings

Research and evaluation

Events and community engagement

Education and engagement events

Event support for those wishing to adjust their practices

LGBTIQA+ Ally Network opportunities

Student Engagement

Increased opportunities for student input in RRU initiatives in 2024 Activations



Your rights and responsibilities

As a member of the ANU community, you are entering a space in which staff and students have a right to be protected from discrimination and harassment, whether direct or indirect.

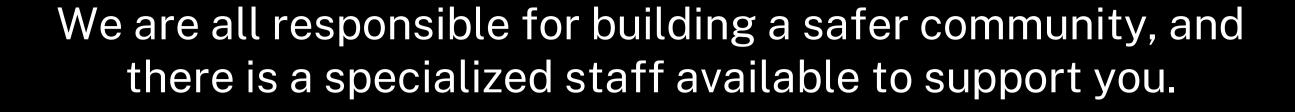
In return, it is expected that all individuals will uphold these same standards in all interactions with students, staff and visitors to the University. Bullying, harassment and disrespectful treatment of other students, staff and visitors will not be tolerated.

Protected attributes include:

- Sex
- Pregnancy
- Marital or relationship status
- Family responsibility
- Breastfeeding
- Race, colour, ethnic or entho-religious background
- Descent or national identity
- Age
- Sexual orientation
- Gender identity, transgender identity or intersex status
- Disability
- Union affiliation
- Political conviction
- Religious belief
- +++



Contact





Level 3, Di Riddell Building 154

www.anu.edu.au/respect

respect@anu.edu.au

ally@anu.edu.au





ANULIBRARY





HANCOCKLIBRARY



- astronomy & astrophysics
- chemistry
- computer science
- cybernetics
- engineering
- health & medicine
- life sciences
- mathematics
- physics
- psychology



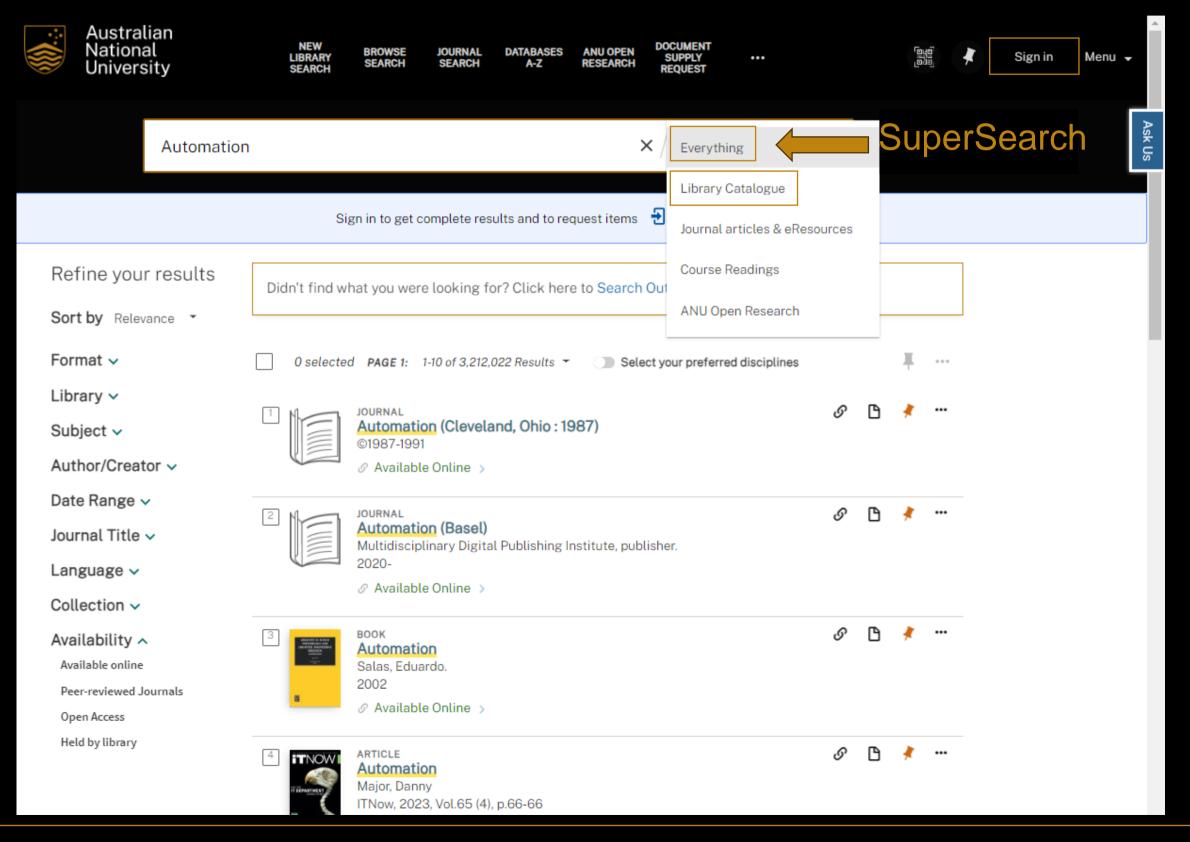
COLLECTIONS



- Online and print resources
- Search our e-resources and databases anywhere, any time
- ANU ITS working remotely
- ANU ITS reverse proxy

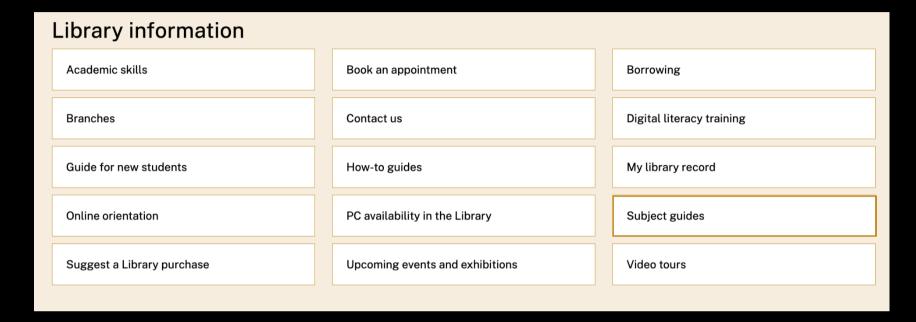


SEARCHING





SUBJECT GUIDES



* » Find & access » Subject guides » Engineering, Computing, and Cybernetics

Engineering, Computing, and Cybernetics

These guides cover subjects such as engineering, computing and cybernetics. More guides coming soon!

Subject Guides

- Computer Science
- Cybernetics
- Engineering



Contacts

Subjects:

Engineering, Computing, and Cybernetics



Engineering, Computing, and Cybernetics »

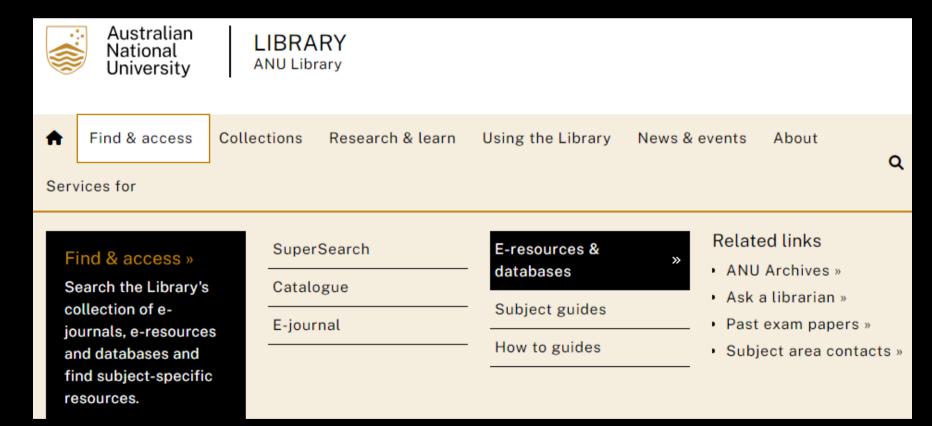
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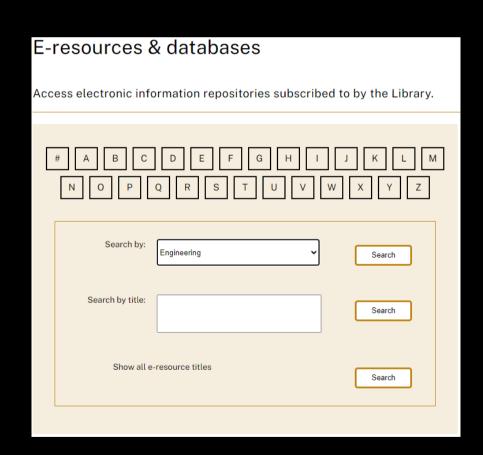


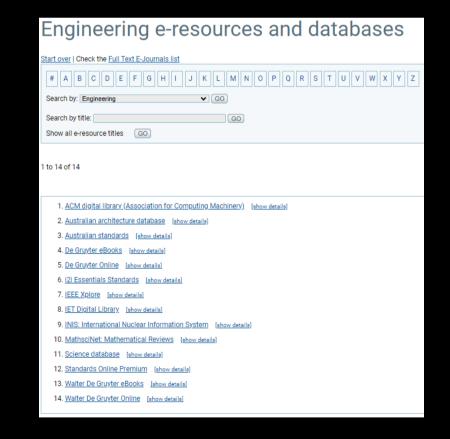




E-RESOURCES & DATABASES













BORROWING

	ANU staff, postgraduate & honours students	Undergraduates	External borrowers
Maximum number of items	100 (maximum of 4 reserve items*)	100 (includes up to 4 reserve items*)	15 (includes up to 6 orchestral sets)
Loan periods			
Books, serials and	26 weeks	4 weeks	4 weeks
audio-visual materials	2 renewals	6 renewals	6 renewals
Reserve items*	2-day** & 2-hour***	2-day** & 2-hour***	Use in Library only
Primary material (Law Library)	Use in Library only	Use in Library only	Use in Library only
Music scores	26 weeks	4 weeks	4 weeks
Laptops	7 days (students only)	7 days	n/a

- 100 items 4 weeks
- Student card to borrow



LIBRARY SPACES



anulib.anu.edu.au/bookaroom



GETSUPPORT



- book an appointment
- live chat
- "Ask a Librarian"
- FAQs



SUPPORTING STUDENT WELLBEING



ANU Student Safety and Wellbeing Team

HEALTH AND WELLBEING SERVICES

- At ANU, there are three main services for health and wellbeing support: ANU Medical Centre, Student Safety Wellbeing team (SSWT) and ANU Counselling.
- They are all located at building 156, Kambri.

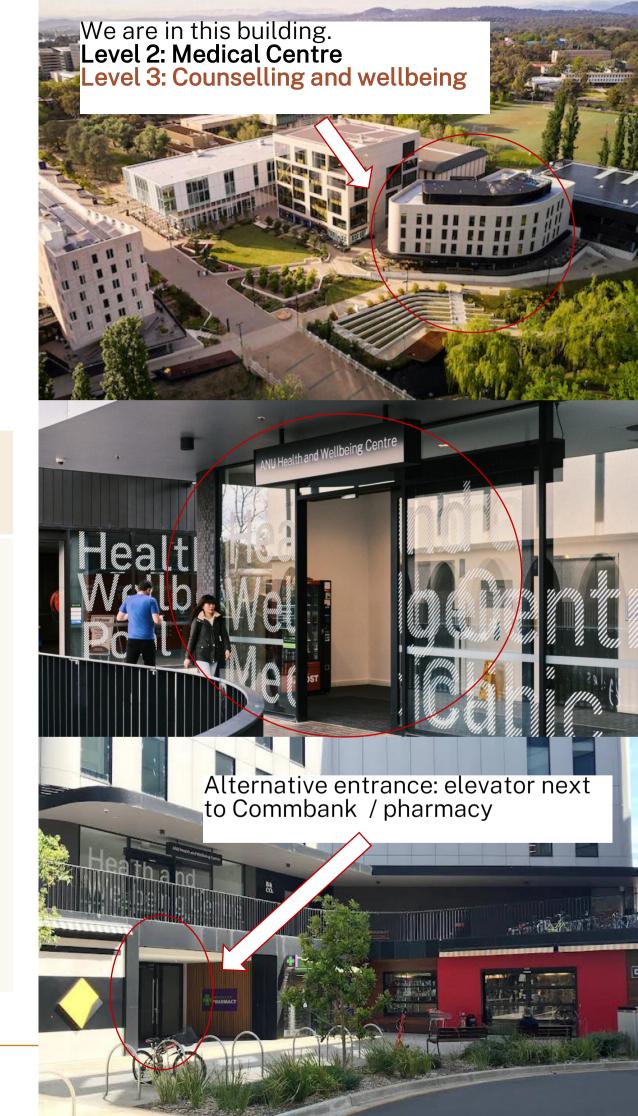
SSWT	ANU
 Talk in confidence with case managers (background 	• Fre
in health, social work, counselling).	• No he ac
 Free. No referrals required. 	• Up

ANU Counselling

- Free, confidential, nondiagnostic service.
- No referral or mental health care plan to access this service.
- Upon booking, a clinician will assess your circumstances.

ANU Medical Centre

- Appointments with doctors and nurses.
- Health services, advice, vaccinations, immunisations.
- Bulk-billed for students (no payment needed from you).



ANU STUDENT SAFETY AND WELLBEING

Free and confidential support for a range of issues that can impact on the student experience – transition to university and Canberra, relationship issues, domestic and intimate partner violence, financial concerns, mental health concerns, navigating ANU processes and much more ...

Centralised, trauma-informed first contact point for anyone impacted by sexual assault and / or sexual harassment

Case Managers have backgrounds in social work, human services and counselling.

Appointments available Monday to Friday

Students firstly supported and assessed through an intake process



CRICOS PROVIDER #001200

FACTORS IMPACTING UNIVERSITY STUDENTS

- Academic pressures high expectations, increased competition, uncertainty on employment outcomes
- Financial pressures particular for students living away from home, those from low socio-economic backgrounds or limited income
- Relocation to participate in education leading to isolation particularly for international students, rural and remote students, etc
- General wellbeing issues poor diet, alcohol and drug use, lack of sleep
- Pre-existing/underlying conditions can be exacerbated
- Low levels of help seeking behaviours



18/06/2024

IMPACT ON STUDIES

- 71.8% of students aged 16-25 years reported that there had been at least one day when they were totally unable to work or study due to symptoms of mental health problems in the past month.
- 62.4% of students aged 26-50+ years reported that there had been at least one day when they were totally unable to work or study due to symptoms of mental health problems in the past month.
- Lower grades

Increase risk of disengaging with studies

2016 NTS Student Wellbeing Survey https://www.headspace.org.au/assets/Uploads/headspace-NUS-Publication-Digital.pdf



CRICOS PROVIDER #001200

Mental health and wellbeing in the community

- Two in five (43.7%) Australians aged 16 85 years experienced a mental health disorder at some time in their life.
- Two in five (39.6%) people aged 16 24 experienced a mental health disorder within the last 12 months
- Anxiety was the most common disorder reported (PTSD, OCD, GAD, social phobia and panic disorder)
- One in seven (13.6%) people aged 16-24 years and more than one in ten (11.0%) people aged 25-34 years reported an affective disorder within the last 12 months

ABS National Study of Mental Health and Wellbeing 2020 – 2021 - www.abs.gov.au/statistics/health/mental-health/national-study-mental-health-and-wellbeing/latest-release



Harmful Behaviours Disclosure Response and Support

Further information:



Disclose an incident of sexual harassment, sexual assault, racism, ableism, harassment or discrimination:





CRICOS PROVIDER #00120C



51

TAKING CARE OF YOUR WELLBEING...

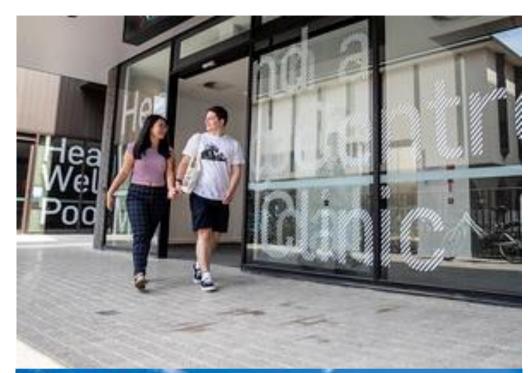
It's ok to:

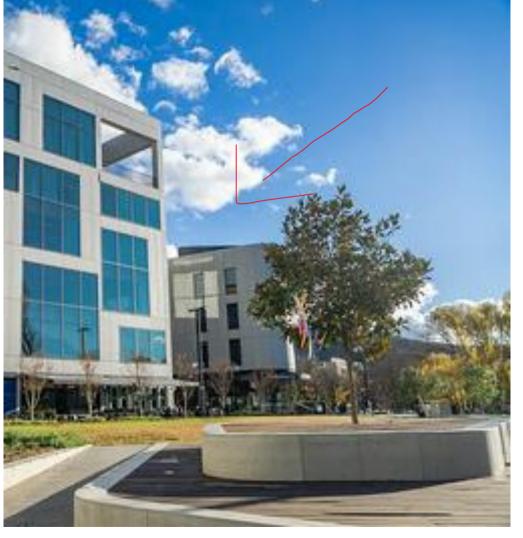
- Feel overwhelmed!
- Not be sure if what you are experiencing is "normal"
- Feel homesick
- Need assistance from others
- Be unsure if I should talk about my mental health
- Not understand Australian support services and systems

We are here to help you during your ANU journey – just reach out!

24/7 ANU Wellbeing support hotline - 1300 05 327 or text 0488 884 170







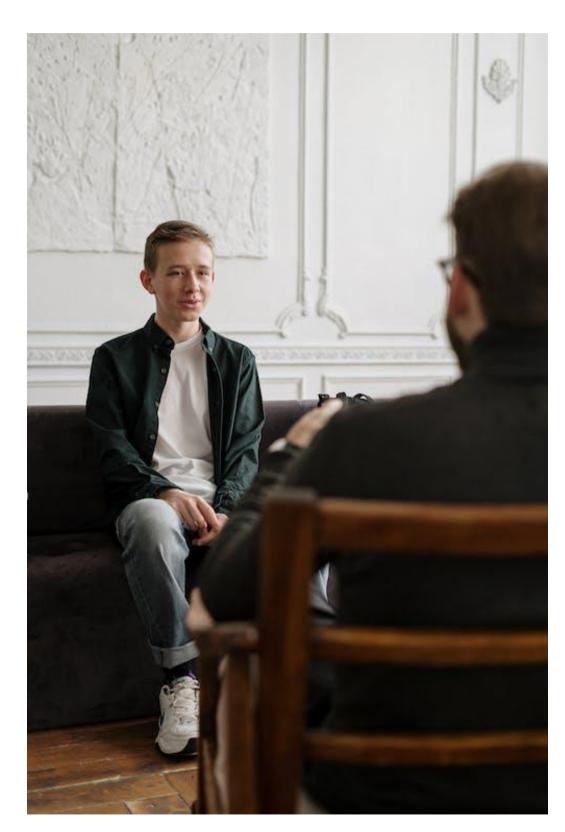
STUDENT SAFETY AND WELLBEING

- Confidential and free
- Helping you navigate and understand mental health and wellbeing in the Australian context
- Relationship concerns (family, friends)
- Mental health stress, anxiety, exam/assessment stress
- Adjusting to university and Canberra (homesickness)
- Financial concerns and support
- Domestic, family and partner violence
- Discrimination and other harmful behaviours concerns
- Sexual assault and harassment response
- Connection with specialist services at ANU and in the community
- Etc no issues too small or too big!

Contact is easy – email student.wellbeing@anu.edu.au or phone 02 6125 2211



ANU COUNSELLING



- Confidential and free. Available to ANU students, who are currently in Australia.
- Talk to counsellors.
- One-on-one sessions. You will be given regular appointment slots not a one-off visit.

What do counsellors do?

- Counsellors don't diagnose issues. They work with you to improve your mental health.
- They ask questions and listen to you in a non-judgmental, safe and confidential way.

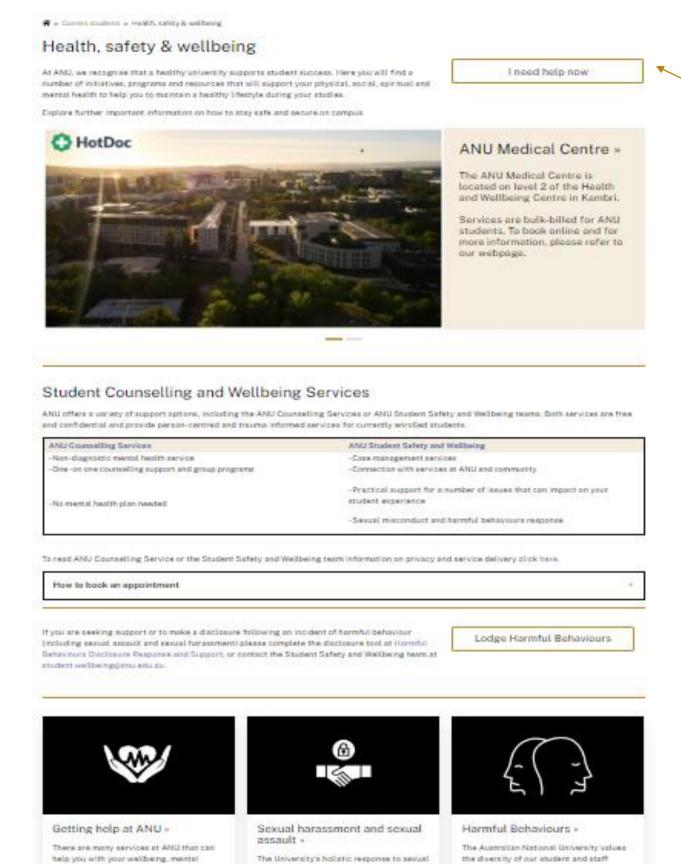
What can I talk to counselling centre about?

• A range of issues including study stress, relationships, homesickness and anything else that's on your mind.

To book an appointment, email <u>counselling.centre@anu.edu.au</u> or call 02 6125 2211 24/7 ANU Wellbeing support hotline - 1300 05 327 or text 0488 884 170

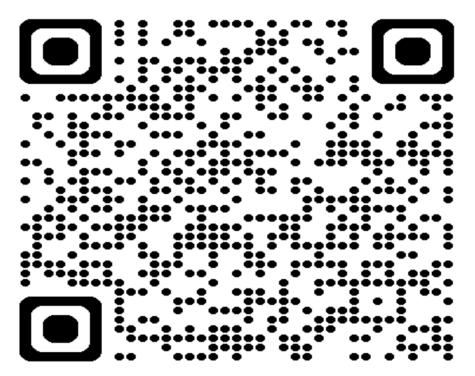


Accessing Student Safety and Wellbeing



Pend more -

Access to services at ANU and in the community



www.anu.edu.au/students/health-safety-wellbeing



begins, health and...

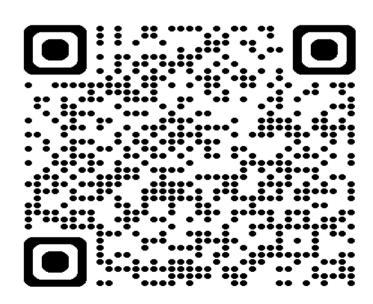
Read more -

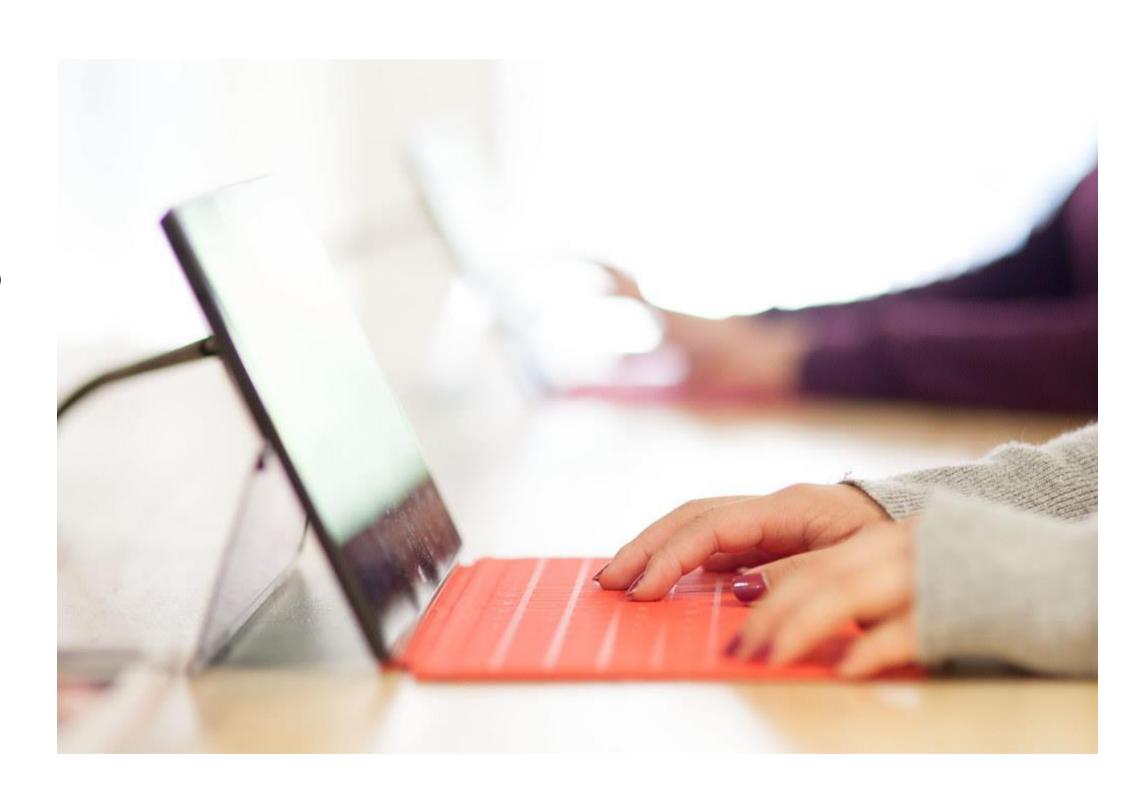
Accessing Student Safety and Wellbeing

How to book an appointment:

To book an appointment with ANU support services, visit the <u>Health, Safety & Wellbeing</u> or <u>Getting Help</u> <u>at ANU</u> webpages, and look for the "How to book an appointment" drop down menu.

Open this menu and select the option that applies to your situation. If you have any difficulties when completing the online form, or if you have not heard from our services 5 business days after your submission, please contact our Administration team on 02 6125 2211 (option 1).

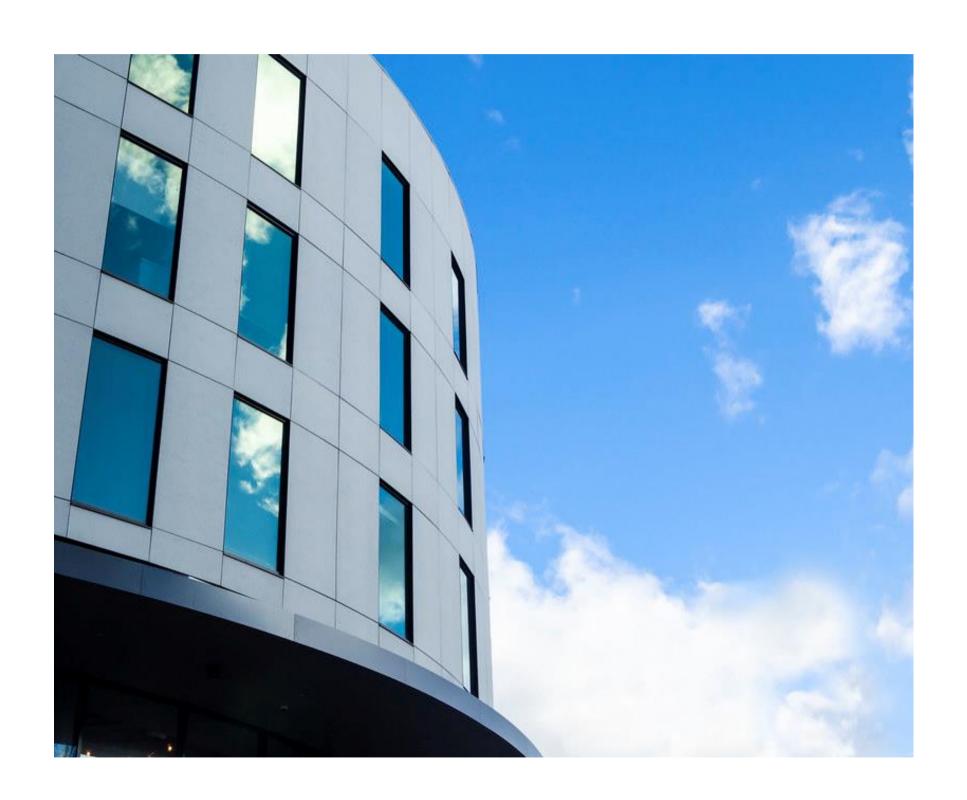




www.anu.edu.au/students/health-safety-wellbeing



Thank you



We are here to support you support your students! If we can be of any assistance, please contact us.

Student Safety and Wellbeing

Level 3, Health and Wellbeing Centre Building 156 Joplin Lane, Kambri

T (02) 6125 2211 E student.wellbeing@anu.edu.au

W www.anu.edu.au/students/health-safety-wellbeing

Appointments available Monday to Friday 9am – 4pm

ANU Wellbeing and Support Line (24/7) 1300 050 327



DIVERSITY BELONGING INCLUSION EQUITY

@CECC







Acknowledgement of Country

The Australian National University acknowledges, celebrates and pays our respects to the Ngunnawal and Ngambri people of the Canberra region and to all first nations Australians on whose ional lands we meet cultures are among the oldest contin in human history.



TODAYS PRESENTATION

EXPLORE DIVERSITY, BELONGING, INCLUSION AND EQUITY (DBIE) IN THE COLLEGE.













Diversity Belonging Inclusion & Equity

Diversity, belonging, inclusion, and equity (DBIE) are integral to the culture of ANU's College of Engineering, Computing and Cybernetics (CECC) and the way that we learn and work together.

We aim to attract and retain a staff and student population that is reflective of a diversity of backgrounds, knowledge, experience and perspectives.

We aspire to be a College where staff and students know that their perspectives, skills, and lived experiences are valued and respected.



DIVERSITY GROUPS

- > Aboriginal and Torres Strait Islanders
- > Culturally and Linguistically Diverse (CALD)
- Disability and Mental Health
- Gender Equity
- > LGBTQIA+
- Supporting Families

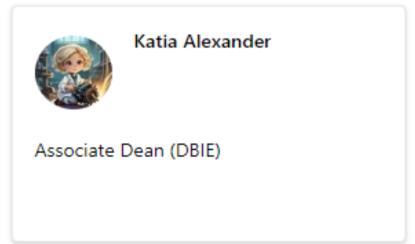


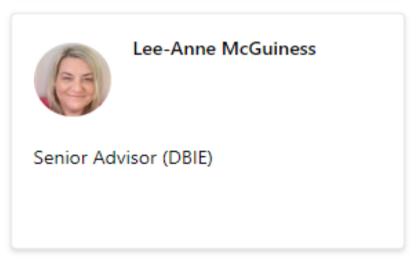


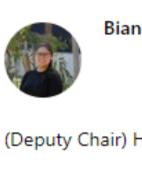


Introductions

DBIE @ CECC?







Bianca Pimentel

(Deputy Chair) HR Manager



Nan Yang

SOEN DBIE Working Group Lead



Alex Potanin

+ Add a profile link

SOCO DBIE Working Group Lead

28 of 50 characters



Melissa Neidorf

SOCY DBIE Working Group Lead



Josh Andres

SOCY DBIE Working Group Lead



WHAT DOES THE DBIE TEAM DO?

- Support and celebrate diversity, belonging, inclusion and equity.
- Acknowledge dates which respond to inequalities and barriers to participation.
- Raise awareness and understanding through training.
- Corporate Memberships.
- Networking to support social connection and sense of belonging.
- Recognising the contributions of individuals and groups.



Inclusion Calendar







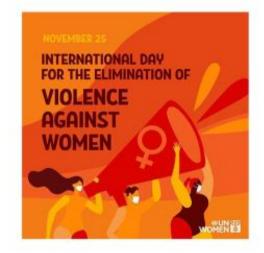














OFFICIAL



Inclusion Calendar Activities







Indigenous Weaving
LGBTQIA+ Ally Training
Disability Awareness Workshop
Indigenous Language workshop
Cultural Awareness Training

NAIDOC WEEK 2024 Indigenous Weaving







WORLD ENVIRONMENT DAY 2024



Feeling the vibe.....

- Ask and use deep listening.
- Sense of respect.
- Sense of value.
- Sense of belonging.
- Foster curiosity, care and awareness
- Able to bring whole self to ANU





Questions



For anonymous or non-anonymous questions, enquiries, feedback or suggestions, please reach out through our SharePoint contact us link

Contact us (sharepoint.com)





THANKYOU

Contact Us

Professor Katia Alexander and Lee-Anne McGuiness

E: inclusion.cecc@anu.edu.au

W: Diversity, belonging, inclusion, equity | ANU College of Engineering,

Computing & Cybernetics

S: CECC Diversity Belonging Inclusion and Equity - Home (sharepoint.com)

TEQSA Provider ID: PRV12002 (Australian University) | CRICOS Provider Code: 00120C





TOUR OF FACILITIES

SOEN Education Officer will lead the tour, and then will return to Birch Building for Program Convenor Sessions

BENG — BIRCH 1.08

BENGR&D — BIRCH 1.08

BENG SOFTWARE ENGINEERING — BIRCH 1.08

M ENG — BIRCH 1.09

