

WELCOME

TO THE UNIVERSITY OF SOUTH AUSTRALIA



University of
South Australia





University of
South Australia

ONE OF THE WORLD'S TOP YOUNG UNIVERSITIES

#25

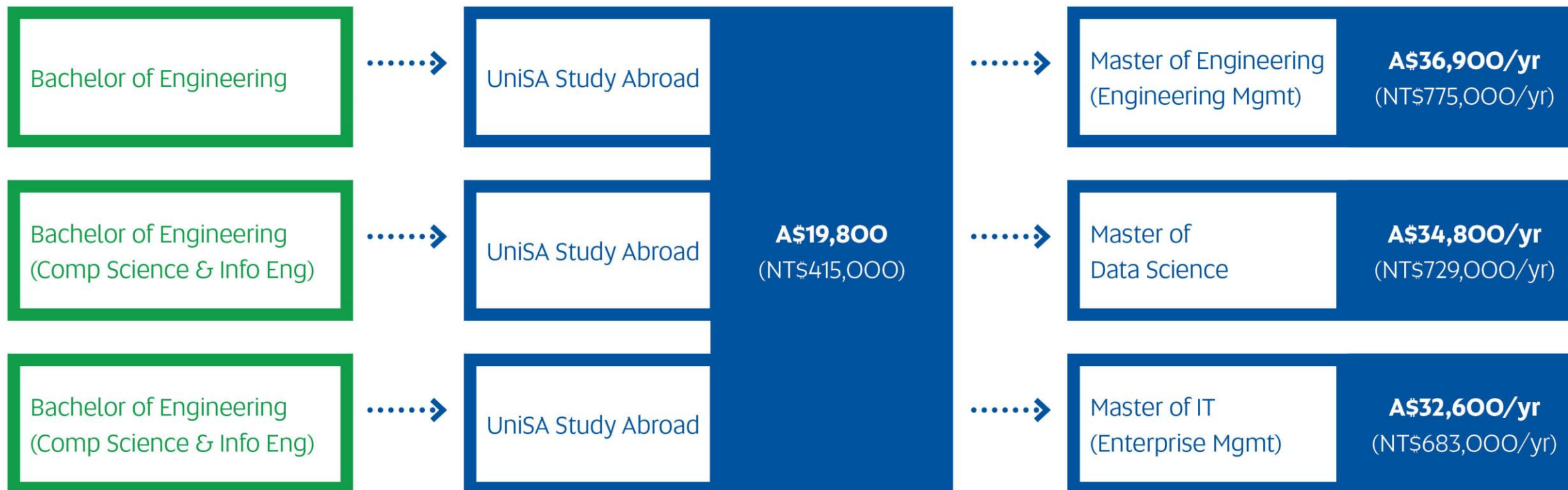
2020 THE Young
University Rankings

#29

2021 QS Top 50 Universities
Aged Under 50

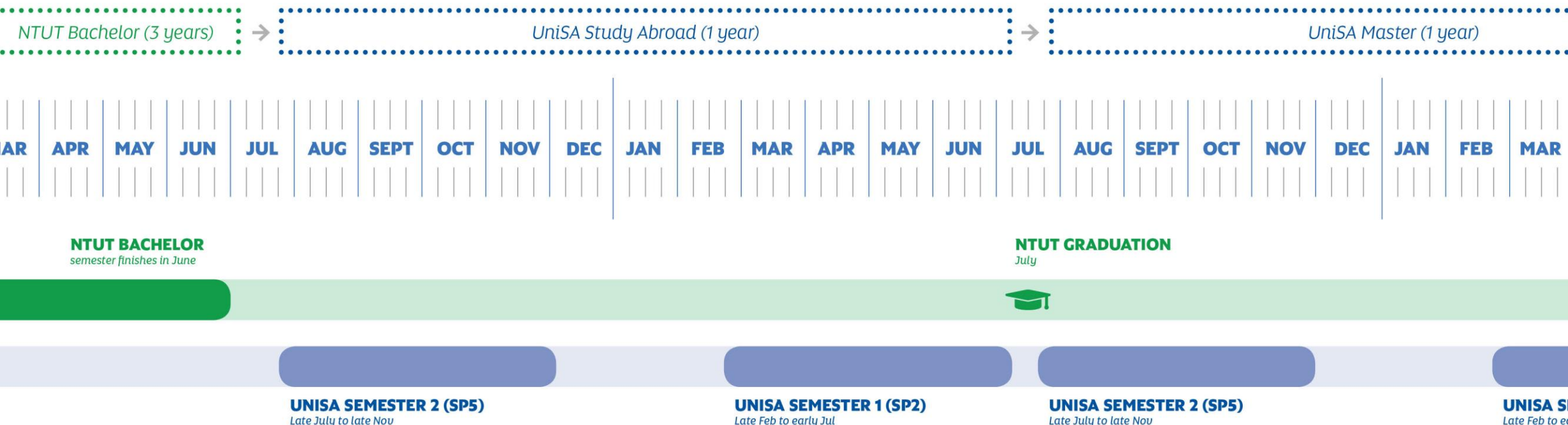
NTUT to UniSA articulations

3 + 1 + 1





NTUT to UniSA progression



TRANSFER REQUIREMENTS

N T U T T O U N I S A

ACADEMIC

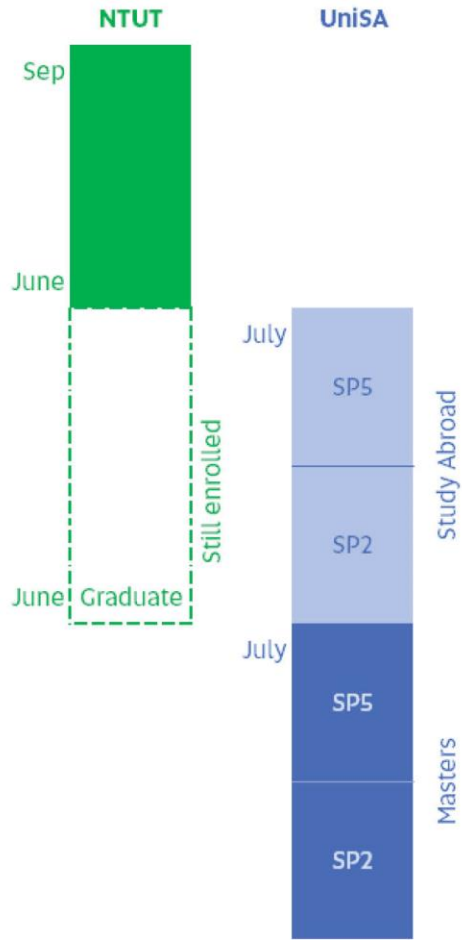
5th semester GPA = 70%

ENGLISH

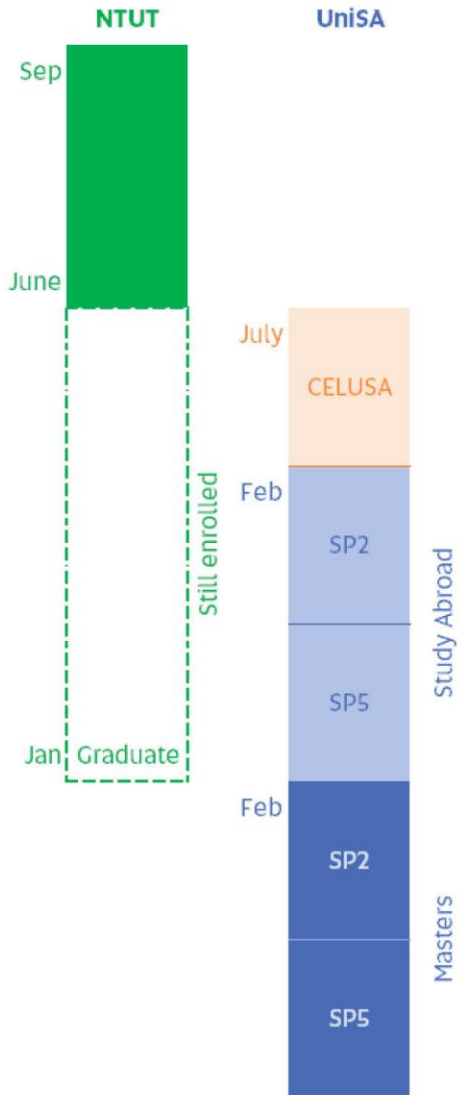
IELTS 6.0, Reading 6, Writing 6



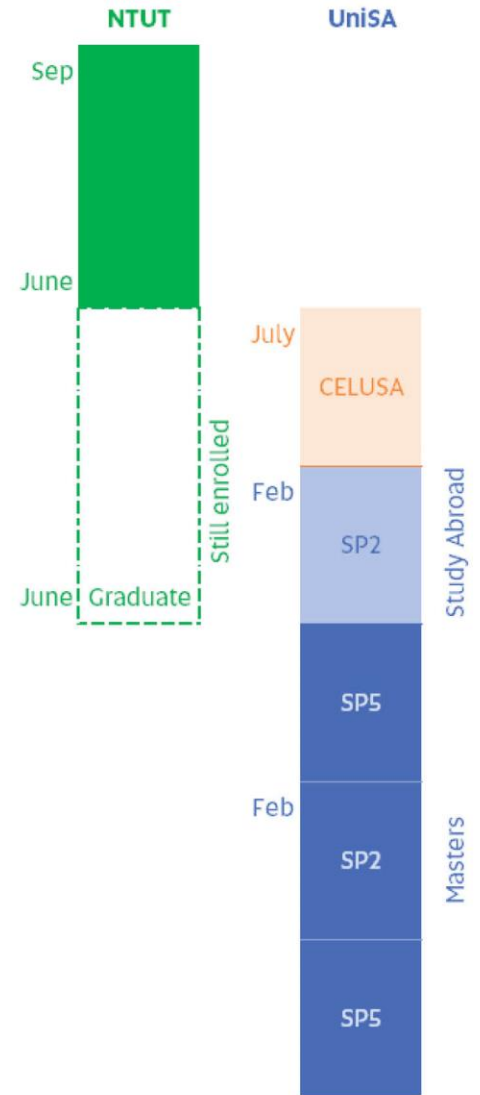
Standard situation



English package situation



If student doesn't want to delay graduation



MASTER OF ENGINEERING
(ENGINEERING MANAGEMENT)



University of
South Australia

Master project

C O U R S E

Final year project on a real-world topic, potentially with industry.

Compulsory for Master of Engineering students

Counts for 3 subjects

Duration of 1 year

Organised by UniSA

Supervised by academic (and possibly industry)

Unpaid



OXFAM



EXPERIENCE NETWORKS



FOR A BETTER WORLD



Santos



Drill & drop project

EXAMPLE

Sentek Drill & Drop probe to measure soil moisture

Probes need to be calibrated in water

Project to automate an otherwise manual process - save time, reduce risk of injury, reduce errors, increase quality



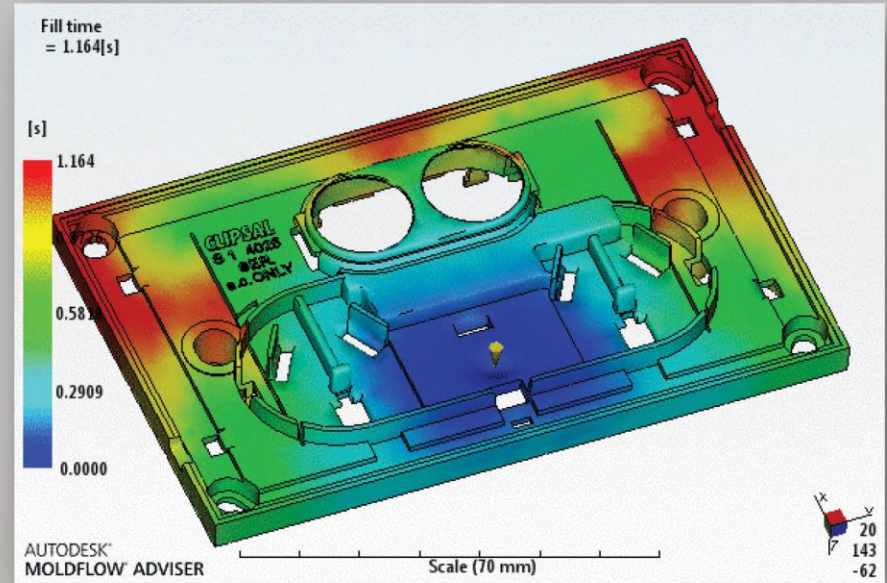
Switch plate project

EXAMPLE

Schneider Electric twin socket switch plate manufacture

Analyse properties, inconsistencies in the process

Increase efficiency of production, increase quality of product, reduce product failures



Schneider
Electric

Snail & grain project

EXAMPLE

Snail issue in crop production

Using artificial intelligence and machine vision to detect snails

Quality control, repeat refining process, mitigate export issues



Government
of South Australia

Primary Industries
and Regions SA

SARDI



SOUTH AUSTRALIAN
RESEARCH AND
DEVELOPMENT
INSTITUTE

MASTER OF DATA SCIENCE



University of
South Australia

DATA SCIENCE AT UNISA

H I G H L I G H T S

- *SAS, R, Python, AWS*
- *Prepares you for SAS certifications:*
 1. *SAS Certified Big Data Professional Using SAS®*
 2. *SAS Certified Advanced Analytics Professional Using SAS®*



University of
South Australia

MASTER OF
DATA SCIENCE



Industries seeking data scientists

B A N K I N G

E N G I N E E R I N G

H E A L T H C A R E

Data Science Professional Development

H I G H L I G H T C O U R S E

Work with a real industry client

1 real industry partner

1 challenge

Groups of 5

Each group comes up with a solution



EXPERIENCE



NETWORKS

International alumni

M A S T E R O F D A T A S C I E N C E

Deployment Engineer | USG; Web Developer | Intern, Xeon InfoTech Services

Data Analyst | Essential Services Commission of South Australia

Data Analyst/Consultant | PwC Australia

Graduate Data Officer | Department for Correctional Services

Data Analyst | Diageo

Business Analyst | ActiveOps

Data Scientist | Rio Tinto

Technical Business Analyst | Complexica

Enterprise Data Developer | TAL Australia

C++ Game Programmer | Wicked Witch Software

Analyst Programmer | GBST

Business Data Analyst | ACH Group



MASTER OF I.T.
(ENTERPRISE MANAGEMENT)



University of
South Australia

'Capstone professional project'

C O U R S E



*Real industry projects for our
IT masters programs*

Available for M.IT, M.CyberSecurity, M.DataScience students
(GPA requirements apply)

Counts for 2 subjects

Duration of 1 semester

Organised by UniSA

Unpaid

Outcome is usually a report and presentation



Australia Day
Australia Day Council
of South Australia



CITY OF
Port Adelaide Enfield



Government of South Australia
Department for Environment
and Water



Alison

G R A D U A T E D 2 0 1 9

Master of IT (Enterprise Management)

Final year 'Capstone Project' at SA Water

Her project MENTOR provided support for job applications

Graduate position at SA Water





CAREERS

JOB OUTLOOK

joboutlook.gov.au | Dec 2020

ICT Support Technicians

Jul '18



Sep '19



Dec '20



A\$5,992/month

Database & Systems Administrators & ICT Security



A\$7,728/month

Software and Applications Programmers



A\$8,012/month

Computer Network Professionals



A\$8,084/month

ICT Business and Systems Analysts

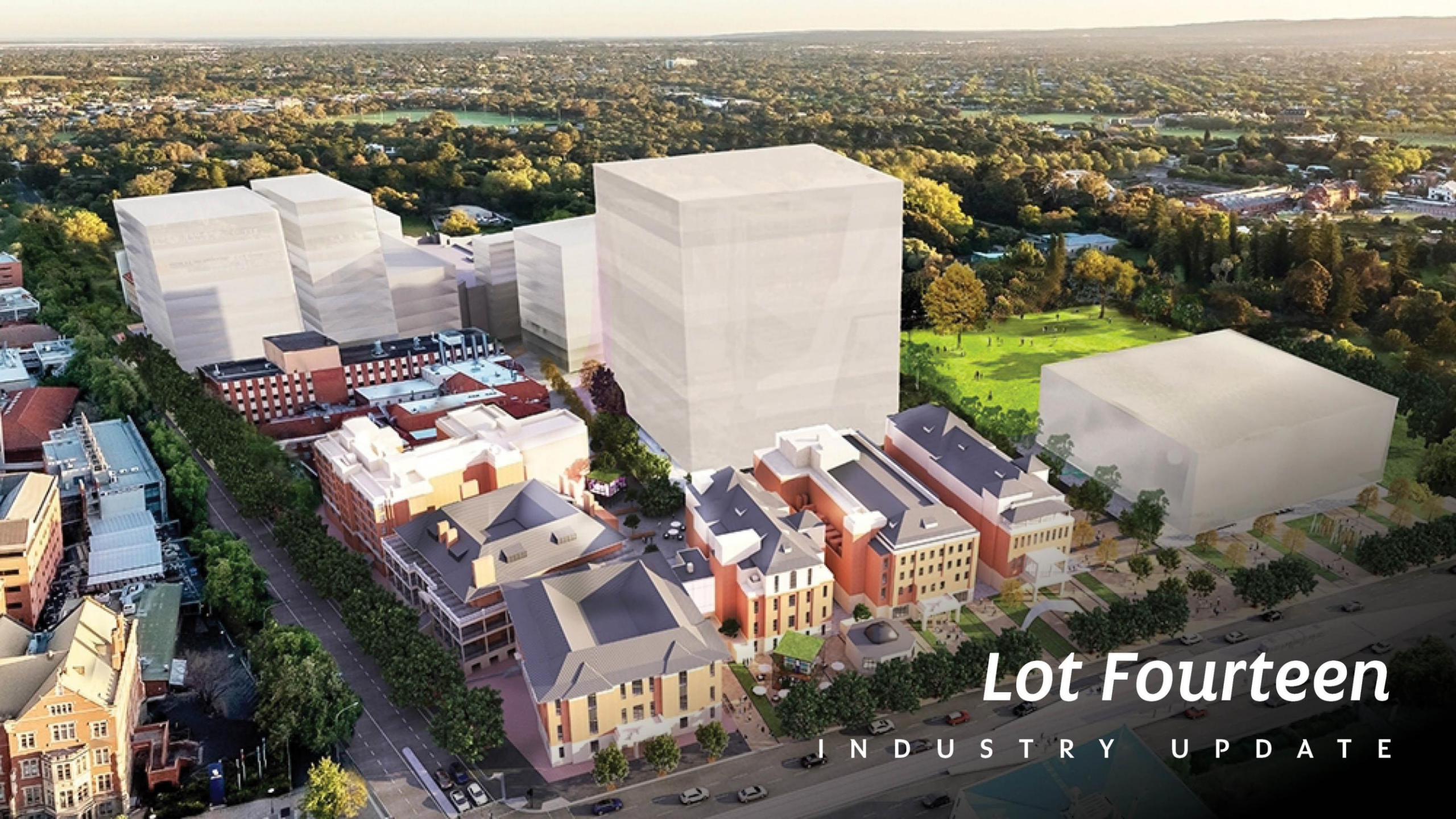


A\$9,096/month



COMPANIES THAT HAVE ESTABLISHED AN ADELAIDE BASE





Lot Fourteen

I N D U S T R Y U P D A T E

Central Business District

University of South Australia

Adelaide Airport

The University of Adelaide

Adelaide BioMed City

Adelaide Festival Plaza

Royal Adelaide Hospital

Adelaide Oval



Adelaide Botanic Garden

Lot Fourteen

INDUSTRY UPDATE



**University of
South Australia**

unisa.edu.au/international

CRICOS provider number: 00121B