



Graduation Ceremony

Faculty of Engineering

Wednesday 20 August 2025, 6:30 pm

Sir John Clancy Auditorium



UNSW Sydney is a world-leading university, driven by our mission to advance Progress for All globally, through transformative education, innovative research and meaningful engagement with people, communities and partners in Australia and around the world.

At UNSW, we are committed to our founding purpose and enduring responsibility to apply our talents, resources and renown for the greatest societal benefit.

We continue to drive innovative research that has relevance and impact, and to deliver world-class teaching that equips graduates with knowledge, experience and skills that lead to fulfilling careers and lives underpinned by a desire to make a difference.

Our University community demonstrates the immense potential of education, teaching, research and shared purpose to effect positive change locally and globally.

We would like to Acknowledge the Bedegal (Kensington campus), Gadigal (City and College of Fine Arts Campuses) and Ngunnawal people (Australian Defence Force Academy in Canberra) who are the traditional custodians of the lands where each campus of the University is located.





A message from the Chancellor

In life there are some important milestones that must be celebrated, cherished and remembered. In graduating from UNSW Sydney you are achieving one of these.

A graduation is not just a formality. It is an acknowledgement of the significant commitment you have shown to academic excellence and should be a course of great pride to you, now and for many years to come.

Education is one of life's great gifts. And whether you are the teacher or student, the rewards are just as profound. We feel privileged to have had you in our student cohort over recent years and encourage you to stay involved with the University by joining UNSW Alumni. This will allow us to follow your achievements and successes closely. Such is the scope of this network that wherever you go in this world, you are unlikely to be far from another graduate of this fine institution.

I hope you have enjoyed your time at UNSW and made the most of the opportunities available to you.

Congratulations and good luck.

David M Gonski AC
Chancellor



A message from the Vice-Chancellor and President

Congratulations on your graduation from UNSW Sydney. This is a wonderful achievement that reflects your effort, dedication and academic accomplishment while you have studied with us.

Today marks an important beginning. You have graduated from one of the world's top universities, taking your place among our outstanding alumni who represent UNSW across Australia and across the world.

For many years, the quality of our graduates working in a wide range of professions on every continent has helped build our reputation as a leading research and teaching university. Most importantly, our alumni carry the UNSW mission to advance Progress for All. You are now part of that esteemed group.

It is my privilege, as a fellow graduate of UNSW, to welcome you to our alumni community and to wish you well in every aspect of your life and career.

I hope that you will stay in touch with UNSW and always cherish the time you spent studying with us.

Professor Attila Brungs

Vice-Chancellor and President



Australian National Anthem

Advance Australia Fair

Australians all let us rejoice
For we are one and free
We've golden soil and wealth for toil
Our home is girt by sea.

Our land abounds in nature's gifts
Of beauty rich and rare
In history's page, let every stage
Advance Australia Fair.

In joyful strains then let us sing
Advance Australia Fair.

Order of proceedings

Sir John Clancy Auditorium
Wednesday 20 August 2025, 6:30 pm
Faculty of Engineering

Academic Procession

The Academic Procession proceeds to the dais, the Assembly standing. The University Mace is carried by Emeritus Professor Ian Dawes, BSc *UNSW*, DPhil *Oxon*, FAA, FRSN.

National Anthem

Advance Australia Fair

Welcome

The Deputy Chancellor, Mr Warwick Negus, BBus *UTS*, MCom *UNSW*, SF Fin.

Admission to Awards

Professor Julien Epps, BE PhD *UNSW*, Dean of the Faculty of Engineering requests the Deputy Chancellor, on behalf of the University Council, to admit candidates to awards.

Occasional Address

Chris Turnbull, BE(Hons) MCom *UNSW*, FIEAust, CPEng, NER, APEC Engineer, IntPE(Aus), RPEQ, GAICD, Managing Director, Turnbull Engineering.

Concluding Remarks

Professor Julien Epps, BE PhD *UNSW*, Dean of the Faculty of Engineering.

Following the Concluding Remarks, the Assembly will stand while the Academic Procession retires.

Faculty of Science

The candidate will be presented by
Darren Isenberg, Announcer

**BACHELOR OF
ENGINEERING (HONOURS)
BE(Hons)**

Ceramic Engineering
Honours Class 1
Jessica Anne Degeling

Faculty of Engineering

The candidates will be presented by
Darren Isenberg, Announcer

BACHELOR OF ENGINEERING (HONOURS) BE(Hons)

Civil Engineering with Architecture

Markos Gibryal
Qirun Li

Honours Class 2 Division 2

Alec Joseph Linga
Praveena Navaratnam
Bozhou Wang
Oscar Hui Wang
Michael Igor Zylka

Honours Class 2 Division 1

Junyu Tu
Feiyang Zheng

Honours Class 1

Vincent En-Yan Zhang

Chemical Engineering

Honours Class 2 Division 2

Kevin Sunny Cherian

Honours Class 2 Division 1

Benjamin James Stefano Elder
Vincent Michael Miller
Abubakar Muhammad

Honours Class 1

Gabrielle Sophia Jane Burge
Anna Vuong Thuy Bien Dau
Benjamin Thomas Eadie
Xavier Klee
Carley So

Chemical Product Engineering

Honours Class 2 Division 2

Jenny Huynh

Civil Engineering

Hamza Abdurrahman
Ifra Adnan
Fares Alabdullah
Abdul Rahman Ayman Ahmed
Horman Chan
Jeffrey Christian
Dylan Rahul Kumar
Kevin Van Truong Lam
Nicholas Xuan Li
Binwei Liu
Rowena Tsui Yu Loi
Amy Phan
Nurul Syazana Binti Rosli
Taha Taqi
Jeremy Jiaqi Wang
Jarif Zaman
Honghao Zeng
Daniel Hayk Zorlu

Honours Class 2 Division 2

Alex Thomas Assaf
Kai Jaden Dene
Andrew Doan
Shiya Fei
Eugene Kim Khov
Cameron Ernie Krauklis
Jason La
Jinle Liang
Zhaoyi Sha
Yuanjie Shen
Aaisha Shrestha
Wing Yan Siu
Dean Bao-An Tran
Lucas Matthew Varnier
Jerry Wang
Adrian Zhao
Wei Heng Kevin Zhong

Honours Class 2 Division 1

Syed Abrar Fahim
Caelan Joel Hearne

Honours Class 1

Ryan Ly

**Environmental Engineering
Honours Class 2 Division 2**

Charlotte Graham Cable
Joline Fiorellie Muljono
Georgina Robinson
Anita Zheng

Honours Class 2 Division 1

Jaidyn Leigh Cumming

Mining Engineering

Claudia Agustine

Renewable Energy Engineering

Max Gin
Gurveer Singh

Honours Class 2 Division 2

Khondoker Imamuddin Ahmed
Zean Wang

Honours Class 2 Division 1

Erica Tatiana Lelis Diall
Matthew Thomas Murphy
Stanley Tanudjaja

Surveying

Jinan Al-Asadi

Honours Class 2 Division 1

Peter Adrian Hales
Andrew Robert Lyall

Petroleum Engineering

**Honours Class 1 and The
University Medal**

Nurul Dayana Batrisya Binti Haji
Mohne

**BACHELOR OF
ENGINEERING (HONOURS)**

Civil Engineering

**BACHELOR OF COMMERCE
BE(Hons) BCom**

Brian Bui
Renna Korn

**BACHELOR OF
ENGINEERING (HONOURS)**

Civil Engineering

**BACHELOR OF COMMERCE
BE(Hons) BCom**

Distinction
Rutika Ranade

**BACHELOR OF
ENGINEERING (HONOURS)**

Renewable Energy Engineering
Honours Class 2 Division 1

**BACHELOR OF COMMERCE
BE(Hons) BCom**

Joshua Uriel Geller

**BACHELOR OF
ENGINEERING (HONOURS)**

Civil Engineering
Honours Class 2 Division 1

**BACHELOR OF COMMERCE
BE(Hons) BCom**

Distinction
Caleb Raymond Reed
Nikita Sethi

Honours Class 1

Max Henry Luker
Simon Rahmani

**BACHELOR OF
ENGINEERING (HONOURS)**

Chemical Product Engineering
Honours Class 2 Division 1

**BACHELOR OF SCIENCE
BE(Hons) BSc**

Rhys Tran

Civil Engineering

Honours Class 2 Division 2
Ksenya Konstantinoff

Honours Class 2 Division 1

John Atef Ewida
Chang Shi
Qiangfeng Yao

Renewable Energy Engineering
Honours Class 1
Finn Parker

**BACHELOR OF
ENGINEERING (HONOURS)**

Civil Engineering
Honours Class 1

**BACHELOR OF SCIENCE
BE(Hons) BSc**

Distinction
Joe Alexander Stuart

Renewable Energy Engineering
Honours Class 2 Division 1
Ethan Lam

**BACHELOR OF
ENGINEERING (HONOURS)**

Civil Engineering
Honours Class 2 Division 2

**BACHELOR OF SURVEYING
BE(Hons) BSurv**

Mankirat Singh Chawla

**BACHELOR OF
ENGINEERING SCIENCE
BEngSc**

Ruiqi Hou
Xing Ao Le
David Arthur Tess

**BACHELOR OF
ENGINEERING (HONOURS)**

Environmental Engineering
Honours Class 2 Division 2

**BACHELOR OF
ENGINEERING SCIENCE
BE(Hons) BengSc**

Muskan Soni

**GRADUATE CERTIFICATE
IN ENGINEERING SCIENCE
GradCertEngSc**

Satheeskumar Thangavadivel

**BACHELOR OF
ENGINEERING (HONOURS)**

Chemical Engineering
Honours Class 2 Division 2

**MASTER OF BIOMEDICAL
ENGINEERING BE(Hons)
MBiomedE**

Jiyana Thankam Jaico

Honours Class 2 Division 1
Anderson Hoong Chieh Choo
Rachel Wing Q Line

Honours Class 1
Joshua Eric Chapman

**MASTER OF ENGINEERING
ME**

Civil Engineering
Xiyuan Cheng

Environmental Engineering
Sitong Yan

Mining Engineering
Yeremia Billy Agustha Gunawan

Petroleum Engineering
Jingming Zhao

Excellence
Aibo Bian

Renewable Energy
Hamza Ismail
Arihara Prathab Naidu Kumaran
Sanup Thomas Mathew

Excellence
Duojiejinmei

**MASTER OF ENGINEERING
SCIENCE MEngSc**

Chemical Process Engineering
Shuqin Wei

Civil Engineering

Junchi Gong
Jinxuan He
Pushpendra Singh Kharbanda
Samiksha Balaso Lohar
Ran Wang
Kangshuai Xu
Xu Zhang
Weijie Zhao
Zhengting Zhu

Excellence
Sinta Ria Arini

Environmental Engineering
Wenxin Xue

Food Process Engineering
Camila De Los Angeles Ruiz
Galeano

**Geotechnical Engineering and
Engineering Geology**
Billy Taite Buka
Liam John Davenport
Joshua Stephen Valencic
Jarrod Lloyd Warren
Jack Donald Williamson

Excellence
Gerson Gairzhino Carpio Rottiers

Project Management

Yifan Chen
Mansi Kirloskar
Shashank Nagesh
Surya Sathvik Srinivasa
Dandan Zhang
Zhiyuan Zhang

Excellence

Fangfang Chen
Daniel Erazo

Renewable Energy

Kexu Lu
Shibo Lyu

Structural Engineering

Jicelle Mae Pajayon Labrador
Sheng Lai
Swetha Rajasekar
Chusak Tansirisittikul
Vidul Venkatesh
Rakesh Yadav

Sustainable Systems

Qi Guan

Transport Engineering

Jiaye Chen
Yuchen Hu
Deepthy Jose
Vineeth Yerramaneni

Water, Wastewater and Waste Engineering

Excellence
Jonah Bezjak Petrie

MASTER OF ENGINEERING SCIENCE

Project Management

**MASTER OF COMMERCE
MEngSc MCom**

Anthony John Yu

MASTER OF ENGINEERING SCIENCE

Sustainable Systems

**MASTER OF COMMERCE
MEngSc MCom**

International Business
Excellence

Joyce Abi Nader

**MASTER OF MINING
ENGINEERING MMinEng**

Mine Management
Purev-Ochir Davaasambuu

Excellence

Thomas Arthur Gordon
Robertson

MASTER OF SCIENCE MSc

Food Science and Technology

Wuqi Ma

Hanfei Xie

**MASTER OF PHILOSOPHY
MPhil**

Chemical Engineering

Siwoo Jung

Ziyu Zhao

Civil and Environmental
Engineering

Jiayang Xu

Geospatial Engineering

Yunhao Wu

**BACHELOR OF
ENGINEERING (HONOURS)**

Civil Engineering

Honours Class 1

**MASTER OF PHILOSOPHY
BE(Hons) MPhil**

Civil and Environmental
Engineering

Yuhui Chen

Faculty of Engineering

The candidates will be presented by
Professor Julien Epps, Dean of the
Faculty of Engineering

DOCTOR OF PHILOSOPHY PhD

Chemical Engineering

Thanh Son Bui

*Thesis: Catalyst Design for
Efficient Electrochemical Nitrate-
to-Ammonia Conversion in
Alkaline and Neutral Media*

Gustavo De Souza Sant'Anna

*Thesis: Uncovering molecular
orientation and morphology
at biotic/abiotic interface for
peptide-based graphene sensors*

Yanan Li

*Thesis: Activated non-precious
transition-metal electrocatalysts
for hydrogen production*

Amer Riaz Rathore

*Thesis: Emerging factors and
technologies that drive cost of
renewable hydrogen production
and bridge the gap for the
global economy's journey to a
decarbonised future*

Sebastian Schaefer

*Thesis: Mimicking Host-Defence
Peptides by Synthetic Polymers
for Antifungal Applications
– from In Vitro Screening to
Preliminary In Vivo Studies*

Bing Shu

*Thesis: Thermal Modelling,
Management, and Electrical
Safety Assessment for
Containerised Vanadium Flow
Battery Systems*

Yi Fen Zhu

*Thesis: Fuelled by sunshine:
Harnessing visible light through
catalyst design for selective
hydrocarbon synthesis from CO₂*

Lingqing Zong

*Thesis: Catalytic nanomedicine
via modulating ROS homeostasis
for disease treatment*

Civil and Environmental Engineering

Khadija Al Nabhani

Thesis: Transport Pathways of Microplastics in The South Pacific

Yi Gao

Thesis: Understanding the nonaqueous partitioning of per- and poly-fluoroalkyl substances (PFAS)

Andres Felipe Calderon Hurtado

Thesis: Development of an advanced Data-Driven Methodology for Bridge Structural Health Monitoring Based on Drive-by Inspection Technology

Kylie Irving Goodwin

Thesis: Absolute Sustainability of Australian Cities

Nadav Cohen

Thesis: Wave Energy Converter Array Impacts on Nearshore Processes and Shoreline Realignment

Prashanth Gunasekaran

Thesis: Short and Long-Term Compressive Performance and Non-Destructive Defect Detection for Steel-Reinforced Timber Columns

Reilly Xavion Cox

Thesis: Safe closed conduit fish passage

Ziang Jiang

Thesis: Advancing Scan-vs-BIM in Progress Monitoring of Infrastructure Construction

Mingyang Fu

Thesis: Design of active thermal control systems via isogeometric optimization

Jiyu Liu

Thesis: Assessment of Post-fire Forest Ecosystem by Using Spaceborne Lidar and Multispectral Imagery Over South-East Australia

Han Gao

Thesis: Creep behaviour of alkali activated slag and fly ash concrete

Jack William Lodge

Thesis: The Water-Energy-Food Nexus Approach to Transboundary Water Management

Maryam Zeinolabedini Rezaabad

Thesis: Data Driven Approaches for Understanding Extremes in Water Resources Systems: Resampling Techniques for Imbalanced Data

Salman Sharifazari

Thesis: Climate Change Impacts on Water Resources for Indian Ocean Island Communities

Penghao Zhang

Thesis: Efficient simulation of quasi-brittle cracking in concrete and rock using the phase field method and scaling theory

Maliheh Tabasi

Thesis: Investigating the Value of Travel Time Saving: From the Random Utility Maximisation Framework to the Econometric Time-Use Framework

Xiaoran Zhang

Thesis: High Order Implicit Time Integration Methods in Structural Dynamics

Linjie Tang

Thesis: Microbial ecology in pretreatment of food waste for anaerobic digestion

Ziqi Zhou

Thesis: Characterization of Dissolved Organic Matter and its Interactions with Iron in Redox-Dynamic Environment: Methodological Advancements and Environmental Implications

Mahdi Zakerzadeh

Thesis: Optimising Mix Design and Performance of Crumb Rubber Modified Stone Mastic Asphalt (SMA): An Experimental Study for Enhanced Durability and Sustainability.

Hui Zou

Thesis: Improving ecohydrological modelling for future climates

Food Science and Technology

Yanyan Lao

Thesis: Enhancing the functionality of pea protein for plant-based milk applications

Industrial Chemistry

Daniel Connor Morris

Thesis: Diffusion at length: Structure and dynamics dictate organic reactivity in ionic liquids

Mining Engineering

Nicholas Barnett

Thesis: Lunar Volatile Resources and their effect on Human Exploration

Mingwei Chen

Thesis: Assessments of continuous fracturing and groundwater depressurisation in longwall mining

Mining Geomechanics

James Stuart Anderson

Thesis: Coal mass rating with regards to outburst and coal burst

Photovoltaic Engineering

Jialin Cong

Thesis: Understanding underlying mechanism of extrinsic elements and behaviors of impurities in kesterite by advanced micro-to-atomic scale characterizations

Shahriyar Safat Dipta

Thesis: Encapsulation and Interface Passivation of Hybrid Perovskite Solar Cells to Improve Their Efficiency and Stability

Ryan Noel Kelvin Hall

Thesis: A high-throughput framework for computing the impact ionization properties of materials

Muhammad Hasnan Sazzad

Thesis: Generating power at night using a thermoradiative diode

Xinyuan Wu

Thesis: Investigating Damp-Heat Degradation and Mitigation Strategies for Industrial N-Type Silicon Solar Cells

Xueyun Zhang

*Thesis: Interface Engineering and
Optical Loss Mechanism Analysis
of Solution-based Kesterite Solar
Cells*

Renewable Energy Engineering

Ina Araujo Oestroem

*Thesis: High-Performance
Low-Cost Catalysts for Water
Electrolysis: A Computational and
Experimental Study*



UNSW Alumni

Progress never ends

UNSW Sydney has always been a springboard for progress. We've spent 75 years driving progress through learning, teaching and research, all to leave our world a little better than we found it. The sharpest minds exploring the bravest ideas.

Every step you'll take after graduating from UNSW will stride towards progress. No matter what path your career journey will take, we're proud to have played a part in it.

Our greatest achievements – breakthroughs in renewable energy, medical technologies and global equity initiatives – are the result of the work you will do in your communities every day. You have aspired to excellence and taken setbacks on the chin. Future generations of students will fill the same classrooms you did, face new challenges, inspired by the legacy you helped create.

As a UNSW graduate, you'll always have a place in a lifelong network of changemakers. Your uni days may be behind you, but our door is always open. Because there's always more to learn, there's always room to grow and there's always more progress to make.

Contact us

We're always keen to hear from you so stay in touch via social media or email.

Website: unsw.edu.au/alumni

Facebook: facebook.com/unswalumni

LinkedIn: UNSW Alumni group

Email: alumni@unsw.edu.au

Heraldic Description of the Arms



*Arms of the University of New South Wales
Granted by the College of Heralds,
London 3 March 1952.*

*In 1994 the University Title was added to the
Arms to create the University Symbol.*

Heraldic Description of Arms

Argent on a Cross Gules a Lion passant guardant between four Mullets of eight points Or a Chief Sable charged with an open Book proper thereon the word SCIENTIA in letters also Sable.

The lion and the four stars of the Southern Cross on the Cross of St George have reference to the State of New South Wales which brought the University into being; the open book with SCIENTIA across its page reminds us of its original purpose. Beneath the shield is the motto "Corde Manu et Mente", which builds on the motto of the Sydney Technical College, from which the University has developed. Adding "Corde" or "heart" to the original "Knowledge by Hand and Mind" motto is a representation of UNSW's diversity of thought, social impact, and inclusion, and our community and connections.



The University Mace

The Mace is a symbol of the dignity and authority of the University. Originally it was a weapon capable of breaking through the strongest armour, and, according to the Encyclopedia Britannica, was carried in battle by mediaeval bishops so as to conform to the canonical rule that forbade priests to shed blood. Later, maces began to have a ceremonial function, though they were still intended to provide protection, usually to the king's person, and were carried by sergeants-at-arms. The University's Mace is of simple form, constructed of stainless steel and embellished with silver. The Head, of sixteen satin-finished stainless steel ribs, is surmounted with a silver waratah, the floral emblem of the State of New South Wales, and in its horizontal bar are mounted four silver shields, two engraved with the arms of the State. The inner core has a scarlet velvet lining. The shaft is of eumung, a New South Wales timber, dark in colour, and terminates in a stainless steel tail.

The Mace was presented to the University on 6 December 1962 by the Broken Hill Proprietary Company Ltd.

The History and Significance of Academic Dress

The history of academic dress reaches far back into the early days of the oldest universities. A statute of 1321 required that all 'Doctors, Licentiates, and Bachelors' of the University of Coimbra wear gowns. It is still a vexed question whether academic dress finds its sources chiefly in ecclesiastical or in civilian dress. Gowns may have been counted necessary for warmth in the unheated buildings frequented by mediaeval scholars, and the hood currently in use is the remnant of a garment, also a device against the cold, which could be pulled up over the head and kept in position with the tail wound around the throat. The type of academic headgear most commonly worn by graduates today is the mortar-board cap, also called the trencher cap, which dates back to the seventeenth century. It is also the custom of many universities for Doctors to be allowed to wear a distinctive type of headgear, either a round velvet bonnet, or a black velvet mortarboard, with the full dress gown.

As universities developed throughout the Commonwealth countries they mostly prescribed academic costume based on that established for the members of Oxford and Cambridge Universities, where the Chancellor and often other senior members wear a distinctive official gown and hat. Graduates are identified by the wearing of a gown and hood specifically prescribed for each degree and undergraduate students wear a distinctive gown and hat.

Notwithstanding the importance of the Oxford and Cambridge tradition of the gown and cap, it is the wearing of a hood by the graduate to indicate their degree which is the principal feature of the academic costume code.

The tradition of wearing academic dress continues in universities around the world and it is customary on ceremonial occasions, such as the Graduation Ceremony today, that the distinctive official costume of each person concerned be worn.



Academic Dress

Academic dress of UNSW Sydney is available for purchase or hire from UNSW Arc's The Grad Shop.

University Medal

The University Medal is a recognition by the University of outstanding academic achievement at the undergraduate level. The bronze medal carries on its face an engraving of the Arms of the University and on the reverse, within a wreath of laurels, is engraved the name of the recipient.

Abbreviations of Degrees

The correct abbreviations of the awards conferred at today's ceremony are listed in the program. The abbreviation follows the name of the graduate and precedes the abbreviation of The University of New South Wales which is UNSW Sydney or UNSW.

Contact Information

Sir John Clancy Auditorium

Announcer

Darren Isenberg

Organist

Gerard Horsfall, BE BA **UNSW** – Organist and Director of Music, St Peter's Church, Surry Hills

Kurt Ison, BMus GradDipMusPerf **USyd**, LTCL, AMusA, Organist and Director of Music, Mary Immaculate Friary Church, Waverley

Titus Grenyer, BMus **USyd**, Director of Music at St John's Uniting Church, Wahroonga

Singer

Susannah Lawergren, Advanced Diploma of Opera, **USyd**; BA Politics and International Relations with Distinction, **UNSW**

Contact Information

UNSW Graduations Team

graduations@unsw.edu.au
student.unsw.edu.au/graduation

Graduation Services

UNSW ARC THE GRAD SHOP

Morven Brown Building
Lower Ground Floor
Tel: +61 2 9065 0932
Email: thegradshop@arc.unsw.edu.au
Web: thegradshop.arc.unsw.edu.au/
Academic dress, memorabilia

SILVER ROSE PHOTOGRAPHY

Tel: +61 7 3262 5788
Email: graduations@silverrose.com.au
Web: silverrose.com.au
Portrait photography

AMBASSADOR PRODUCTIONS

Tel: +64 416 111 226 or
+61 416 111 226
Email: enquiries@ambassador.com.au
Web: ambassador.com.au
Stage photograph, plaques, DVD

JACKSON FRAMES

Tel: +61 2 9999 1805
Email: frames@jacksonframes.com.au
Web: jacksonframes.com.au
Testamur framing



