



THE UNIVERSITY
OF QUEENSLAND
AUSTRALIA

CREATE CHANGE

ANDREW N. LIVERIS ACADEMY FOR
INNOVATION AND LEADERSHIP

LIVERIS ACADEMY



About the Founding Donor

Andrew N. Liveris AO

Andrew is the former Chairman and Chief Executive Officer of The Dow Chemical Company and the former Executive Chairman of DowDuPont. With over forty years of global leadership experience at The Dow Chemical Company, his career included roles in manufacturing, engineering, sales, marketing, and business and general management around the world.

Andrew is currently a director at IBM, Saudi Aramco, Worley, Lucid Motors (Chairman) and NOVONIX. He is on the advisory board of Sumitomo Mitsui Banking Corporation, Teneo (a global CEO consulting and advisory firm), and NEOM (an initiative driven by Saudi Vision 2030). He is Chairman of the Blackrock Long Term Capital and a special advisor to the Public Investment Fund (PIF) and the Crown Prince of Saudi Arabia.

Andrew serves as a trustee for the King Abdullah University of Science and Technology (KAUST), The Minderoo Foundation, and the United States Council for International Business, and was recently appointed Chairman of the Australian Governments National COVID Commissions Manufacturing Taskforce.

Previously, he was the Vice Chair of the Business Roundtable, an Executive Committee Member and Chairman of the United States Business Council, and a member of the Concordia Leadership Council and the Australian government's Industry Growth Centres Advisory Committee.

In 2012 Andrew co-founded The Hellenic Initiative (THI) to support economic renewal in Greece through entrepreneurship, business development, and investment, and serves as Chairman of the Board. Andrew is a Chartered Engineer and a Fellow of The Institute of Chemical Engineers as well as a Fellow of the Australian Academy of Technological Sciences and Engineering.

He earned a bachelor's degree (first-class honors) in chemical engineering from The University of Queensland and was awarded the University Medal for that year. In 2005 he was awarded an honorary doctorate in science by his alma mater as well as being named Alumnus of the Year.

Andrew was appointed Officer of the Order of Australia for his services to international business in 2014.

He was awarded an honorary doctorate in engineering from Michigan State University in 2015. He has also been awarded an Honorary Doctorate of Commercial Science from the University of Central Michigan and an Honorary Doctorate of Laws from Northwood University.

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ABOUT THE UNIVERSITY OF QUEENSLAND

For more than a century, The University of Queensland (UQ) has educated and worked with outstanding people to deliver knowledge leadership for a better world.

UQ is a university that is steeped in tradition and history, yet we are at the forefront of innovations that have real impact in societies around the world. Bringing together inspirational learning, teaching and research, UQ is a hub for curious minds who innovate and explore.

UQ at a glance:

- Ranked in the world's top 100 universities (Times Higher Education World University Rankings 2019)
- No. 1 university in Australia for research (Nature Index Tables 2019)
- No. 1 recipient of Australian Research Council fellowships and awards (364 awards worth \$257 million across all scheme years)
- More national teaching awards than any other Australian university
- 400+ global research partners
- 8 globally recognised research institutes
- 100+ research centres
- 53,600+ students from more than 135 countries (18,000 international students and 18,600 postgraduates)
- 6600+ staff
- 268,000+ graduate network spanning 170+ countries (including approximately 14,500 PhDs)
- \$1.9 billion operating revenue.

Fast Facts

55,200+

STUDENTS FROM MORE THAN

140

COUNTRIES



3

CAMPUSES

6

FACULTIES

#1

UNIVERSITY
IN AUSTRALIA IN
THE PRESTIGIOUS
NATURE INDEX



STATE-OF-THE-ART
FACILITIES

#1

IN QUEENSLAND
FOR GRADUATE
EMPLOYABILITY

QS Graduate Employability Rankings 2019



MORE
NATIONAL TEACHING AWARDS
THAN ANY OTHER
AUSTRALIAN UNIVERSITY

Message from the Executive Dean,
Faculty of Engineering, Architecture
and Information Technology



The Liveris Academy is designed to prepare promising undergraduate students to address grand challenges in sustainability with passion, vision, and intellectual courage. Recipients of the Liveris Academy Undergraduate Scholarships will become Scholars of the Andrew N. Liveris Academy for Innovation and Leadership, and join a community of talented and passionate students, leaders, and mentors united by a shared vision for a more sustainable future.

The awarding of the first scholarships in 2019 marked an important milestone for the newly established Academy, made possible through a very generous donation of \$13.5 million from global business leader and UQ alumnus Andrew N. Liveris AO, and his wife, Paula Liveris.

Their legacy at UQ extends to the naming of UQ's largest and most advanced engineering building on the St Lucia campus, an 11-storey, state-of-the-art engineering education and research hub, to be named the Andrew N. Liveris Building, where the Academy will be hosted upon completion in 2021.

On behalf of the Faculty and UQ, I would like to thank Andrew and Paula for their vision, generosity, and ongoing support of higher education. It is through such vision and passion that scalable, lasting change becomes possible. The philanthropic support of the Liverises has significant impact on the opportunities we have been able to make possible for our students, and in turn our society. Their support continues to play an invaluable role in helping UQ and its students to inspire, create, and lead change.

Professor Vicki Chen

Message from the Director,
Andrew N. Liveris Academy for
Innovation and Leadership



It is a great honour to be the inaugural Director of The Andrew N. Liveris Academy for Innovation and Leadership (the Academy) at The University of Queensland (UQ). Based on the volatile and uncertain future we face in our world today, there has never been a more important time for leadership and innovation.

However, the skills and capabilities required to deal with such uncertainty, and to lead under the “new normal” post CoVID-19, are unlikely to be the same as those that have been used before. The Liveris Academy aims to address this need by developing aspiring leaders that are equipped with the necessary skills and competencies to lead across all levels of society. Leaders, and innovators, who are both, courageous in the face of adversity, and nimble enough to adapt to such complex challenges.

Scholars of The Liveris Academy will be supported to develop critical skills for the future, including leadership, innovation, entrepreneurship, cognitive agility, and emotional intelligence, while gaining a depth of knowledge spanning sustainability, global technologies, and digital transformation.

Through a structured program of leadership training, winter and summer Master Classes, visits by distinguished figures as “leaders in residence”, CEO shadowing and mentoring, as well as volunteering and professional placements (both local and international), the Academy will challenge its Scholars to think differently. Attracting high-achieving students from a range of disciplines and cultures, the program will cultivate leaders that are both well-informed and engaged participants in society. A pipeline of innovative leaders that become exemplary role models who are motivated to help solve the grand challenges and ensure a sustainable future for all.

I am looking forward to working with additional leaders and donors who can help build Andrew and Paula’s vision of creating a network of leaders equipped for the challenges of the 21st Century.

Professor Peta Ashworth OAM

Message from the Founding Donor,
Andrew N. Liveris Academy for
Innovation and Leadership



Current economic, technological, social, and environmental challenges lie ahead and yet simultaneously create invaluable future opportunities.

Opportunities to make a difference and create better lives. To transform the future with people, skills, and technology. To drive innovation using scientific, evidence-based knowledge, and business acumen to grow more efficient and conscious companies.

At the heart of the Andrew N. Liveris Academy for Innovation and Leadership is bold and courageous leadership and transformative thinking. It is the linchpin for grand scale, transformative and sustainable change of the future.

In today's dynamic world, The Liveris Academy changes the education paradigm, where the skills and attributes required to excel as a leader are more complex than ever.

The Liveris Academy is deeply committed to educating talented undergraduate students with demonstrated leadership prowess, a passion for sustainability and potential to solve problems through large scale innovation.

The Liveris Academy provides the environment and programs to produce well-rounded, agile leaders of tomorrow. Leaders who will confront global challenges innovatively and with the capacity to discover technological driven solutions to deliver equitable and sustainable futures whilst effecting wholesale societal change.

Together let's move forward, to create change on a world scale to create better lives, and a better environment for all to live in.

Andrew N. Liveris AO



ABOUT THE LIVERIS ACADEMY

The Andrew N. Liveris Academy for Innovation and Leadership has been established at UQ with the support of a generous donation of \$13.5M from UQ alumnus Andrew N. Liveris AO and his wife, Paula Liveris.

The Liveris Academy is designed to cultivate the next generation of leaders with the capacity to address grand challenges at a time of dramatic socio-economic, technological and environmental change.

In addition to hosting global leaders from industry, government, policy, and not-for-profit sectors, the Academy delivers a bespoke and highly-selective Liveris Scholar Program. The Program currently provides scholarships and enrichment experiences to high-achieving undergraduate students with a focus on sustainability, global technologies and innovation, and digital transformation.

The Academy offers numerous named scholarships, alongside the prestigious Liveris Academy Undergraduate Scholarship, which provides \$10,000 per annum for each year it is held.

Program snapshot

Students engaged in the Academy receive the following key benefits:

- Membership with the prestigious Liveris Academy
- Exclusive access to Liveris Academy events and activities
- Generous scholarship and travel allowance for select Scholarship holders
- Automatic entry in to the EAIT Scholars Program
- Structured leadership training
- Mentoring by visiting leaders
- Targeted professional practice placements
- Vibrant Liveris Scholar Alumni Network

Academy Governance

Liveris Academy Internal Steering Committee

The Academy benefits from the active involvement of Senior Executive staff from The University of Queensland, contributing expertise and resources to support the success of the Academy.

Liveris Academy Honorary Board

The skills, background and experiences of each Honorary Board member may reflect bespoke initiatives of the Academy or work to elevate the international profile of this unique leadership academy.

The Honorary Board will be primarily responsible for:

- Participating in an “in-residence” program to enhance the overall experience of the Liveris Scholars, and provide mentorship to the scholars when appropriate.
- Serving as a visible ambassador for the Academy by lending their name, endorsement, or occasional video/written message to increase domestic and international visibility.
- Activating their networks, when applicable, to support relevant Academy objectives.
- Helping to encourage support from a range of philanthropic and non-philanthropic partners to advance and perpetually sustain the activities and impact of the Academy.

Liveris Academy Advisory Board

The Advisory Board will comprise no more than 12 influential leaders and innovators who are committed to supporting the long-term vision and sustainability of the Academy.

The Advisory Board will be primarily responsible for:

- Actively participating in 2 Advisory Board Meetings per year - at least one in person.
- Reviewing the Academy’s performance in terms of effectiveness, efficiency and impact, in an indirect supervisory/oversight capacity.
- Attending Academy events and activities where appropriate.
- Supporting the personal and professional development of Liveris Scholars through informal mentoring (or recommending other mentors).
- Identifying opportunities for collaboration between the Academy, and individuals and organisations from other world-class universities, research organisations, industry, start-ups, government bodies, not for profits organisations, and non-government organisations.
- Helping to encourage support from a range of philanthropic and non-philanthropic partners to advance and perpetually sustain the activities and impact of the Academy.
- Enhancing the reputation and profile of the Academy and University.

The Liveris Scholars

Liveris Scholars are a diverse group of passionate and curious students, bringing together perspectives from various disciplines.

The Academy will grow its cohort of scholars to attract many more bright and enthusiastic emerging leaders from around the world. Courageous leaders who are not afraid to make decisions in the face of uncertainty.

2019 Scholars



Lilly Van Gilst

Bachelor of Engineering / Arts (Chemical Engineering, International Relations and Economics)

Lilly is interested the role of energy in the future of sustainability, and hopes to enhance the design and efficiency of fusion power plants. Lilly is also a talented artist and sportsperson.



Javan McGuckin

Bachelor of Engineering (Honours) / Master of Engineering

Javan in passionate about sustainability, and plans to further develop his knowledge of manufacturing and materials engineering to make impactful changes for the betterment of society.



Flynn Pearman

Bachelor of Engineering (Honours) / Mathematics (Mechanical Engineering)

A keen sportsman, Flynn aims to develop his leadership capability through the Liveris Academy, and pursue novel solutions to the transition to a lower-carbon global economy.



Victoria Barnes

Bachelor of Engineering (Honours) and Master of Engineering (Chemical and Environmental Engineering)

Victoria loves exploring and protecting the natural environment, and hopes to improve the sustainability of industrial processes to limit the waste that ends up in our environment.



James Orman

Bachelor of Engineering (Honours) / Bachelor of Science (Mechanical and Aerospace Engineering, Physics)

James has an interest in novel solutions to sustainability problems, particularly in the aerospace industry, and hopes to develop more sustainable methods of launching rockets.

2020 Scholars



Amber Spurway

Bachelor of Engineering (Honours)

Amber has a passion for the outdoors, and wants to use her education and career to help combat the build-up of microplastics in the environment, particularly in the ocean.



Esandi Kalugalage

Bachelor of Engineering (Honours) (Electrical Engineering)

Esandi is an avid debater and ambassador for STEM studies. She hopes to engineer solutions to reduce carbon emissions, by exploring solar and nuclear energy production.



Megan Jones

Bachelor of Engineering (Honours) / Bachelor of Arts

Megan aims to use her education and career to pursue both environmental and social justice issues, and is particularly interested in opportunities presented by the circular economy.



Thomas Heath

Bachelor of Engineering (Honours)

Tom is inspired by the potential for electric transport to address the world's emissions problems, and is interested in fusion as a prospective solution to our global energy crisis.



Simeon Gover

Bachelor of Engineering (Honours) / Master of Engineering

Simeon is motivated to explore his interests in international-relations and global sustainability challenges, and find more sustainable practices to large-scale consumerism.

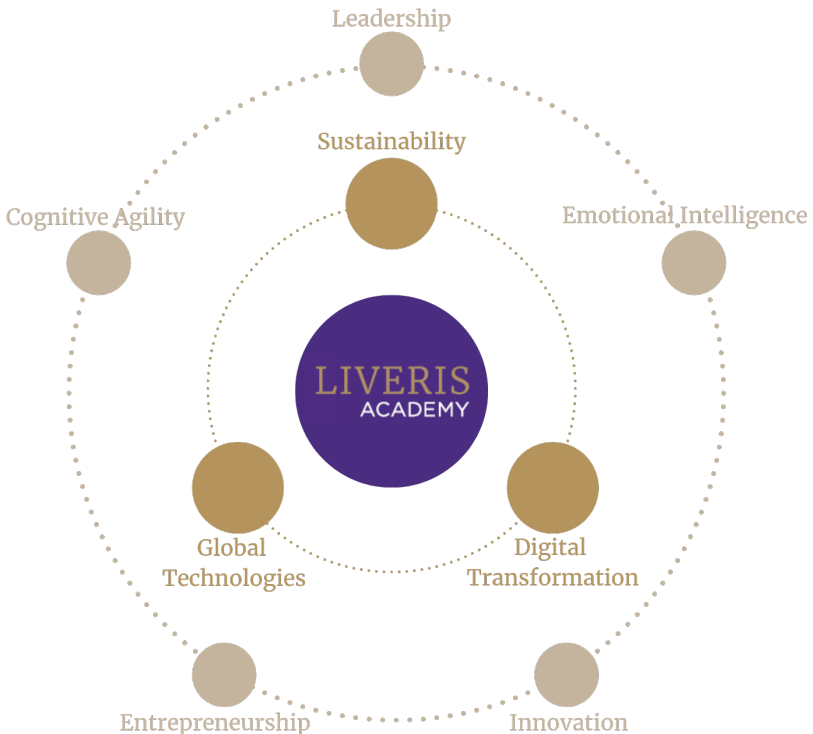
Graduate Attributes

Developments in the global economy, technology and society are transforming our world in previously unimagined and impossible ways. Current global issues – such as access to clean water, modern energy services, sustainable materials and food security – are arguably among the most significant humankind has faced in terms of their potential to disrupt health, economies and the environment globally.

Such challenges require the expertise, as well as the courage and perseverance to discover solutions. However, above all else, they require great leaders and

visionaries whose actions result in profound change. The Liveris Academy will equip its Scholars with the necessary skills and personal attributes to become drivers of change and amplifiers of impact.

Students accepted into the Academy receive world-class training across sustainability, global technologies, and digital transformation, and will be supported to develop critical skills including leadership, innovation, entrepreneurship, cognitive agility, and emotional intelligence.



The Scholar Journey

The pathway of a Liveris Scholar will be as unique as the Scholars themselves. The Academy provides the scaffolding and support for Scholars to take advantage of every opportunity available both on campus at UQ, and further abroad.

The Liveris Academy will support its Scholars to develop a depth of knowledge and skills in a range of areas, including:



Leadership



Innovation and entrepreneurship



Sustainability



Cognitive agility



Digital technologies

Below is an indicative outline of the activities undertaken by a Bachelor of Engineering (Honours)/Master of Engineering student through The Liveris Academy.

Year 1

- Study foundation courses within an undergraduate degree, be introduced to the way professional engineers think and work, and undertake engineering practice courses involving engineering design, physical prototyping and modelling.
- Join relevant student societies and groups.
- Participate in UQ Ventures IdeaHub Unlimited, Social Enterprise Program, and LeadHers programs.
- Commence a reflective learning journey through regular leadership journaling.

Year 2

- Choose an engineering discipline to match career aspirations.
- Explore areas of interests across policy / humanitarian, industry, and entrepreneurship fields to plan an impactful gap semester or gap year.
- Participate in range of UQ Student Employability activities and networking events.
- Participate in the UQ Ventures Startup Academy to validate the fit between innovative ideas and market needs.

Year 3

Undertake a gap semester or gap year to:

- Undertake a professional practice placement in high-profile international corporations, start-up companies or venture capital firms, government agencies, think-tanks or NGOs,
- Participate in study exchange programs,
- Travel internationally via short-term global mobility experiences,
- Explore specific areas of interest, broaden knowledge, and build networks,
- Complete a Summer or Winter Research internship, or
- Undertake an iLab startup internship.

Year 4/5

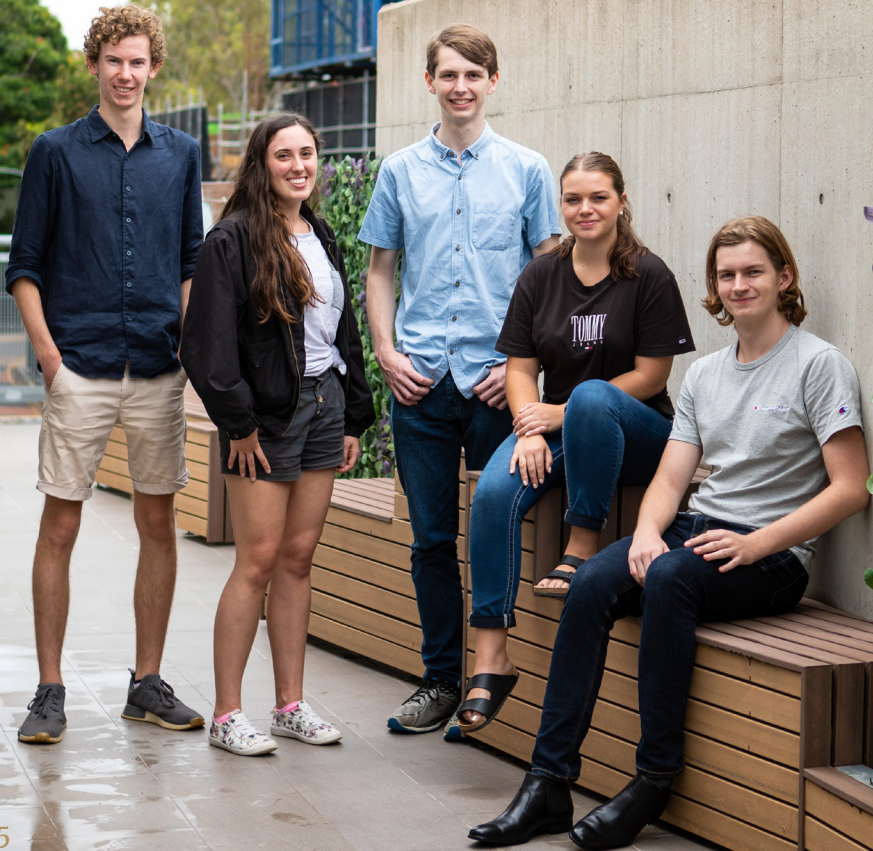
- Complete an industry placement program, and gain credit toward the BE(Hons)/ME Program.
- Participate in the UQ Ventures iLab program, UQ's 6-month startup accelerator.
- Mentor first, second and third year Liveris Scholars.
- Undertake planning and networking ready to launch an impactful career.

Each Year

- Attend speaker series and networking events through The Liveris Academy, EAIT Faculty, and UQ.
- Attend Liveris Academy Master Classes, to learn about leadership, innovation and entrepreneurship, sustainability, systems thinking, and digital technologies.
- Engage with leaders from industry, startups, or policy/humanitarian fields through The Liveris Academy Leader-in-residence Program and Liveris Academy Visitor Program.
- Build a professional network and learn from experienced mentors through The Liveris Academy Executive Coaching program.
- Participate in exclusive Academy events such as volunteering days, off-campus retreats, and competitions.
- Attend and showcase learning outcomes at an exclusive Academy Year in Review Presentation Evening involving The Liveris Academy Community, Scholars, and their guests.

Alumni

Graduates of The Liveris Academy will become part of an actively engaged global Alumni network, and form a pipeline of top-talent for organisations globally. Liveris Academy Alumni will be involved in the selection of future generations of Liveris Scholars, will be regularly invited back to The University of Queensland to participate in Academy events, and will become mentors to those who follow in their footsteps.





The Liveris Building – home of The Liveris Academy

On completion of the Liveris Building in 2021, The Liveris Academy will occupy a modern, collaborative space to facilitate a vibrant on-campus experience for the Liveris Scholar cohort.

Purpose-designed to accommodate both current and emerging leaders, the space will be suited to Scholars and guests visiting from leading organisations globally. It will be a 'home away from home' for Scholars, and the foundation of a strong and vibrant Liveris Academy Community.

For more details about the Liveris Building, see: www.eait.uq.edu.au/liveris-building

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