

Built Environment

Postgraduate Courses



Faculty of Design, Architecture & Building



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Acknowledgement of Country

UTS acknowledges the Gadigal People of the Eora Nation, the Boorooberongal people of the Dharug Nation, the Bidiagal people and the Gamaygal people upon whose ancestral lands our university stands. We would also like to pay respect to the Elders both past and present, acknowledging them as the traditional custodians of knowledge for these lands.



Future focus

In our teaching and research, we're grappling with the big issues facing our built environment – and we're delivering solutions in often unexpected ways. From environmental resilience to social justice, social enterprise and industry transformation, we'll equip you with the fundamental theory, hands-on practice and research-inspired learning you'll need to deliver transformational change in your future career.



Quality connections

First you need to learn, then you need to do. At UTS, we'll connect you with the teachers and industry leaders who can help you excel at both. Our teaching team is made up of built environment professionals who run companies, sit on boards and create new knowledge that sits at the intersection of research and professional practice. Alongside your interactions with these leaders in the field, you'll also gain access to more than 150 industry partners whose collaborations with UTS are transforming the built environment.

Disruptive technologies

Our revitalised campus is home to world-class tech, from industry-standard tools to the latest innovations. In class, you'll work with leading programs like Autodesk Revit, ARGUS EstateMaster and Microsoft Project, depending on your course. Pursuing a research degree? Get hands on with everything from 3D scanning, VR and AI to machine learning, IoT and motion capture tools in our state-of-the-art research labs.

Experiential learning

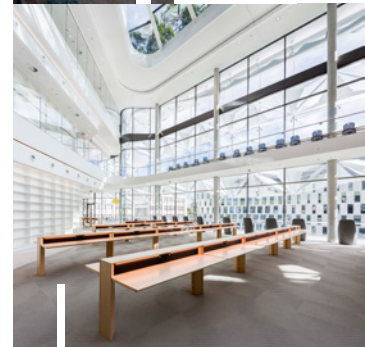
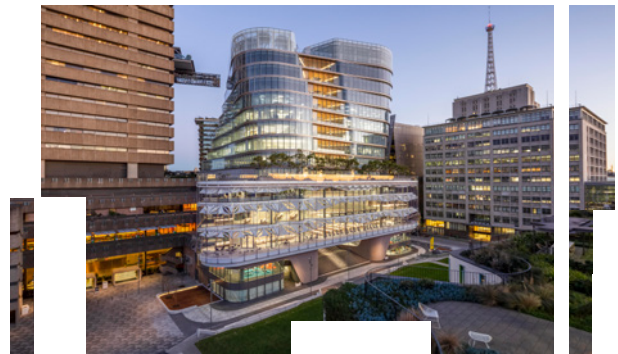
UTS is known for taking an applied approach to learning, which means everything you study will be relevant to your career. Work on live projects with our industry partners or design your assessments to be responsive to problems and opportunities in your day-to-day work. If you're a research student, you'll gain the opportunity to break new ground in your chosen field, delivering outcomes that make a meaningful contribution to built environment knowledge.

Global qualifications for a truly global career

Today's property, planning and construction industries are global – and with a UTS Built Environment degree, you can work anywhere (and everywhere!). We're one of just a handful of Australian Built Environment schools to be accredited across all of our postgraduate programs, with endorsements from national and international professional bodies like the Planning Institute of Australia and Project Management Institute and Royal Institution of Chartered Surveyors.

Learning that suits your schedule

Our learning is on-campus, online and everywhere in between. Most of our courses are face-to-face, giving you the chance to make the most of our world-class teachers, facilities and learning environments right here in the heart of Sydney. Our city campus is located just steps away from Central Station, with buses, trains and light rail services to bring you to our door. Looking for online courses? Our hybrid and fully digital degrees bring together the best of web-based learning from a world-class teaching team.



Industry Accreditation and Industry Partners

Accreditation

Our postgraduate degrees have received 18 separate accreditations from leading professional bodies in Australia and overseas, including:

- Australian Property Institute
- Global Accreditation Centre for Project Management Education Programs
- Planning Institute of Australia
- Project Management Institute
- Royal Institution of Chartered Surveyors (RICS)

That means when you study with us, you'll be gaining a qualification that's recognised by industry around the world.

Partnerships

We pride ourselves on the strength and quality of our collaborative partnerships with industry. These take the form of research and educational collaborations, as well as academic prizes, scholarships, workplace training and job placements that put our students on track towards their future careers.

Our list of current partners includes:

- AW Edwards
- BARPA
- CBRE
- Celestino
- Frasers
- Goodman Group
- Hansen Yuncken
- HillPDA
- Landcom
- Richard Crookes Construction
- Tracy Brunstrom & Hammond
- Webuild

DAB Faculty Industry Advisory Board

Our Faculty Industry Advisory Board ensures that industry input shapes everything we do. Comprised of industry leaders from across the professions, the Advisory Board offers deep knowledge and experience that ensures that our course content and research is responsive to current and changing industry need. The result is work-ready graduates and industry-relevant research outcomes that are shaping the future of the built environment.



Welcome to UTS, School of Built Environment

We aim to shape the world you want to live in! We strive towards a more sustainable built environment and resilient future, created through trans-disciplinary thinking and innovation. Our School offers courses in Planning, Property Development, Property Economics, Real Estate, Project Management and Construction. Our courses are internationally accredited, and our students learn in a dynamic environment with access to industry-leading technologies and global networks. We have a reputation for creating some of the most progressive, future-focused leaders in the Built Environment sector.



Professor Jua Cilliers
Head of School,
Built Environment

Jua is professor of urban planning with an interest in the planning of sustainable cities, nature-based solutions and community engagement to enhance quality of life. As a teacher and academic supervisor, she is passionate about equipping students with an enthusiasm for lifelong learning and challenging them to reflect on the role of the urban planner within a broader social context. Jua is the Chair of the Women in Planning Network of the Commonwealth Association of Planners and a Board Member of the International Society of City and Regional Planners.

Construction Management

Prepare for a leadership role in the contemporary construction industry with a degree that's aimed at high-achieving professionals. Explore critical construction management concepts, from construction technology to cost planning, project planning, legislation and ethics, and get hands on with best practice case studies and industry-standard technologies, including estimating, programming and building information modelling (BIM) tools. What's more, our course content is built on the Project Management Body of Knowledge (PMBOK) methodology, adapted for use in a construction context, which means that everything you study can be applied to construction challenges and projects.

Find out more



Graduate Diploma in Construction Management



Graduate Certificate in Construction Management



Construction Management

Meet our course expert



Dr Arezoo Shirazi
Construction Management
Arezoo is a lecturer and multidisciplinary researcher with an interest in the future of the built environment. As the director of the UTS Construction

Management project, she's focused on preparing students from diverse professional backgrounds to progress through or into construction careers. Arezoo is a passionate teacher and mentor who emphasizes hands-on learning as a way to bridge the gap between theoretical knowledge and industry practice. She is an advocate for women's participation in construction and their contribution to achieving environmental and social justice in communities, codes, and standards. As a researcher, Arezoo works on multidisciplinary built environment projects with national and international partners. Her research interests include smart and sustainable buildings, green construction and building life cycle and energy analysis. Previous work includes modelling life cycle assessment (LCA) of residential building retrofit measures in Atlanta and context-aware mobile augmented reality visualisation for construction engineering education.



“

The program provides a pathway for students to move into the construction management roles by gaining valuable experience through group-work activities on real world construction projects and learning the industry-adopted construction project management techniques. ”

Sharyn Connelle

Graduate Certificate in Construction Management

Sharyn Connelle had been involved in public infrastructure projects for 10 years before she enrolled in the UTS Graduate Certificate in Construction Management.

A project manager at the City of Gold Coast parks department, Sharyn wanted to formalise her extensive on-the-job training with a postgraduate qualification. She was also on the lookout for some specific expertise that would help round out her skillset and prepare her to continue progressing in an already high-level career.

“Learning to cost the construction of residential and commercial properties, the nitty gritty of building regulations and quality management were areas of construction management that were new to me,” she says.

“Even though I had transferable experience, I hadn’t actually learnt those things the way I did in the course.”

The UTS degree – one of only a handful of postgraduate qualifications with a construction focus – delivered. The curriculum spanned everything from basic construction management through to time, quality and risk management; construction technology and regulation; and construction cost planning and control.

Assessments were based on real construction projects – Sharyn completed a construction management plan for Liverpool Place in Sydney, a quality management plan for Westmead Hospital’s acute care services building, a risk

management plan for a high-rise commercial development issued with a stop work notice, and a cost management plan for an apartment block.

“For the cost planning assignment, I had to cost the construction of an apartment block, three stories high. We had the opportunity to use the latest software in cost planning, which is 3D software,” she says.

“So, rather than just being on paper, now you actually do cost take-offs from a 3D computerised model of the building. You learn how to read the model and you can cost every single item on it, generate budgets and produce highly professional budget reports.

“These types of skills are directly transferable to the workplace.”

For Sharyn, that workplace is now a place full of potential: with a postgraduate qualification, she feels ready to take on higher-level roles and start applying her learning to increasingly significant and complex projects.

“I look back now and I couldn’t be more proud of the Reports and Management Plans for the different areas of construction I’ve produced for such high calibre construction projects ” she says.

“I’m amazed at what I’ve come out the degree with.”



Planning

At UTS, we see planning as a critical profession that connects communities with government, institutions and developers. Through a combination of real-world scenarios, peer-led teamwork and a range of case studies and field trips, our postgraduate Planning degrees will prepare you to explore the impact of planning decisions on the urban environment. Join a multidisciplinary student cohort and learn to consider the role of the planner in a range of contexts, including design, property, economics and law. You'll explore key topics like land markets, feasibility studies and forecasting and investigate the policy, environmental and demographic frameworks that underpin this discipline. By the end of your studies, you'll be ready for a wide range of professional opportunities within a built environment career.

Find out more



Master of Planning



**Master of Property
Development and Planning**



**Graduate Certificate
in Planning**



Planning

Meet our course expert

Dr Gabriela Quintana Vigiola

Gabriela is a Senior Lecturer in Urban Planning. A dedicated professional who is committed to student-centred teaching, Gabriela has contributed to the ongoing improvement and developments of the programs in which she lectures since she began her academic career in 2004. Prior to joining UTS in 2012, she taught at the Universidad Simon Bolivar and the Universidad Central de Venezuela. Gabriela is also a researcher and a planning and urban design consultant. Her practice and research focus on current issues such as place-making, participatory planning and design, and informal settlements and housing for vulnerable populations. She is currently contributing to the Australian Government's State of the Environment Report 2021. Gabriela holds a PhD in Built Environment (2018), a Master in Urban Design (2008), and bachelor's degrees in architecture and psychology (2004, 2019).



“

The Planning programs at UTS provide a hands-on practice-orientated approach to urban planning, facilitating students to become effective and successful professionals. This program also delivers an integrated and comprehensive understanding of planning and its interrelation with development, sustainability matters and design, expanding students' critical thinking. ”

Nicola Viselli

Master of Planning



Nicola Viselli was interested in planning, but at first, she wasn't sure about committing to a master's degree.

Instead, she enrolled in the UTS Graduate Certificate in Planning, which provides an entry pathway into the master's. It was a great way to test the water of postgraduate study.

And, from early in her degree, she was hooked.

"I liked how the course offered a spiral learning style. It started with introductory subjects to ease you into the course and set solid foundations in planning," Nicola says.

"The second year was about adding onto the same concepts and applying them in new ways, and the third year was focused on honing the knowledge and empowering students to have the confidence to challenge planning practice and policy."

Nicola was initially drawn to UTS because of the university's emphasis on practical skills. The curriculum is delivered by highly experienced teaching staff, many with industry experience, and guest lectures from experts from across the property and planning sectors.

Students work on assessments that mirror real-world planning projects, from urban renewal masterplans to greenfield developments. The master's course is also accredited by the Planning Institute of Australia.

It's a combination that makes students highly employable within the planning sector.

"It was very clear from the recruitment processes for planning roles that I needed a higher qualification to support myself as a planner," she says.

"What I was looking for was to skill up to get that job in planning, and I felt like the UTS course was good for that."

Nicola's gut feeling was right: partway through her master's degree, she was offered a job as a strategic planner at Wollondilly Shire Council. Today, she's working in a similar role at Inner West Council and says that having a formal postgraduate qualification seems to hold a lot of weight among employers.

"I do know the master's degree helped me get to the next job," she says.

"I'm learning from the day-to-day of my role and then complementing that with different perspectives and different subjects from my course.

"I've got quite a well-rounded knowledge base now and I think that's been helpful."

Project Management

Whether you're already working as a project manager or seeking to move into the profession, our acclaimed postgraduate courses will prepare you for to take the next step. You'll study under the guidance of leading project management researchers, practitioners and guest lecturers, exploring real-world challenges in a team-based, simulated environment. Our flexible degree structure allows you to combine your project management subjects with specialist sub-majors in business, construction, engineering, IT, local government management, property development or health, preparing you to deliver complex projects in your chosen area of practice.

Find out more



Master of Project Management



Master of Property Development and Project Management

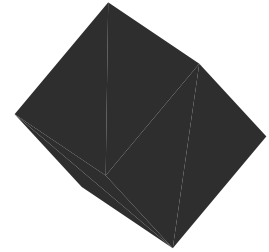


Graduate Certificate in Project Management



Project Management

Meet our course expert



Professor Catherine Killen



Catherine's teaching and research builds upon her engineering background and her experience with new product development and technological change projects.

Her teaching focuses on managing innovation and communication in project environments. As a researcher, Catherine has authored more than 75 publications on topics such as strategy and project portfolio management, the use of data visualisations in project and portfolio decision making, and benchmarking to improve innovation and project portfolio management capabilities. She is an influential leader in the field of project portfolio management and is regularly invited to speak to industry audiences about her practice-based research and its implications for modern project management.



Project management is about people as much as it is about projects. UTS graduates develop a nuanced understanding of the importance of communication and leadership for effective project management and leadership. ”

Laura Stinton

Master of Project Management

Laura Stinton was working for an Australian bank when she enrolled in the Master of Project Management at UTS.

Laura Stinton was working for an Australian bank when she enrolled in the Master of Project Management at UTS.

She'd started out in a grad position before moving into an IT project coordination role. But even as she was learning on the job, she wanted to keep building her expertise.

"I wanted to develop my skills because I really enjoyed the work. So I thought, why not do it with a master's?" she says.

The UTS course immediately stood out because of its highly practical focus, something that Laura was immediately drawn to.

Course content is delivered primarily in block mode where students attend classes in 'blocks' of two to four days, rather than on a weekly basis. This approach creates an intensive learning experience that enables students to draw rapid connections between their theoretical learning and its practical application.

"I could see it was going to be a lot more hands on than some of the other courses I'd considered," Laura says.

"It can be a little bit daunting seeing that you're going to be in class for four days solid, but it's really worth the experience. You get the chance to interact with people who work on a really wide variety of projects."

Standout experiences included a planning and project organisation subject with an emphasis on resource management, as well as a subject that introduced students to risk management in the context of a real-world event: Sydney's New Year's Eve fireworks.

"I've always looked at risk from a very IT-centric point of view," Laura says.

"This subject got me to think in a different way and consider risk from different viewpoints and from other people's viewpoints as well."

Even being in the classroom surrounded by other project management peers was a learning experience, Laura says.

"Hearing the different methods that my classmates were using in their projects really helped to give me different ideas of how to treat various situations in my own working life," she says.

Today, Laura is a project manager – and, nearly four years after completing her master's degree, she still finds herself calling on the things she learned at UTS.

"Some of the theory and some of the techniques that we learned during the course definitely led me on the pathway to be able to move into the IT project lead space," she says.

"I was able to build on those experiences as I worked through different projects and build them into what I use today in this role."



Dani Pierce

Master of Property Development and Project Management



Dani Pierce enrolled in a UTS Bachelor of Business in 2014, with plans to pursue a marketing career. But after landing a job with a construction company during her studies, she quickly realised that the property sector was where she belonged – and where she wanted to learn more.

In 2017, Dani re-joined UTS – this time to study in the Master of Property Development and Project Management. This two-year postgraduate qualification equips students with advanced knowledge in both disciplines, preparing them to advance their careers within and beyond the property sector.

“Property development is such an exciting industry, and the UTS degree really showcased the possibilities and opportunities available in both industries,” she says.

“The degree is well regarded in the industry and has great people teaching the course that are able to provide true insight based on industry experience.”

Course content emphasised hands-on learning, giving students the opportunity to apply their knowledge to the challenges they’re likely to encounter in their future property and project management careers.

“The degree was very practical and relied on real life examples and applications in the assessment tasks. This included being able to effectively research and analyse a number of resources in order to make informed decisions,” Dani says.

“It also included knowing where to find key planning documents and tools, and the ability to understand and apply them to projects.”

For Dani, who worked in the industry during her degree, combining her uni work and her professional position was also hugely beneficial to her learning. This also helped her land a project management job within the commercial space after completing her studies.

“I really appreciated working and completing the degree at the same time, because I was able to live the theoretical knowledge quite literally, and also bounce off and use my professional experience quite practically, which I think helped me understand what I was learning,” she says.

What’s more, she says, the degree helped fast track her into her current project management role.

“I think it helped me get the job that I currently have as I already knew and understood how projects worked,” she says.

“I gained practical knowledge and skills to really dive deep into the industry and a solid foundation to grow my career.”

Property Development

Property development degrees take an end-to-end approach to property development education. You'll study the fundamentals of the property development process, from feasibility modelling to planning law, finance, risk analysis, and sustainability of the built environment. You'll also gain deep insights into the political, financial, legal, and physical systems that shape the field. Tailor your double degree to your professional interests in valuation, planning, investment, and project management, and build professional connections with your peers and industry experts from across the built environment professions. The Graduate Certificate in Property Development provides an opportunity to change career to the dynamic property industry. The Master of Property Development degree enhances career advancement and is accredited by the Australian Property Institute and the Royal Institution of Chartered Surveyors.



Find out more



Master of Property Development



Master of Property Development and Investment



Master of Property Development and Planning



Master of Property Development and Project Management



Graduate Diploma in Property Development



Graduate Certificate in Property Development

Property Development

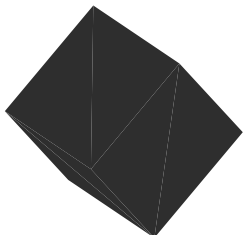
Meet our course expert

Associate Professor Dr. Janet Ge

Dr. Janet Ge is an Associate Professor in the School of Built Environment, UTS. Janet leads Postgraduate Property Development and Real Estate Investment Programs. Her research covers housing affordability, property market, and house prices, property development finance and investment, and the application of property technologies. Janet has a strong track record in collaborative research with government organisations and the property industry. Examples of completed projects include social and economic benefits and costs for development projects, policy impacts and financial risk management of property development firms, property price forecasting in Sydney, and economic appraisal of strategic conservation planning options. Janet supervises students with Ph.D. and Master's Degrees.

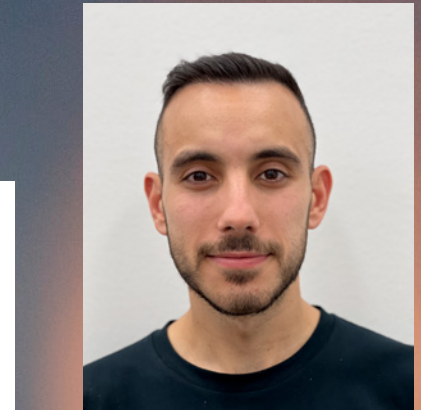


Property development is all about land, feasibility, finance, risk management, and sustainability. ”



Matthew Anoih

Master of Property Development
Project Manager, AGM Construction



For Matthew Anoih, the most useful aspect of the Master of Property Development was the opportunity to work on real-world assessments.

For Matthew Anoih, the most useful aspect of the Master of Property Development was the opportunity to work on real-world assessments. Among them was a project to write a financing strategy for the development of the Moorebank Quarry, a parcel of land owned by construction materials company Boral.

“We had to come up with a feasible model to meet the client’s KPIs, which were maximising profit, minimising risk and expanding their business offerings into new regions,” says Matthew.

The Moorebank Quarry development process had already been completed in the real world, with the former brick quarry being transformed into a residential community over a period of years. Now, students were being asked to replicate the early stages of the project using the knowledge they’d gained in the course.

“This exercise was about finding out which was the best financing option for the project, so whether you’re going to get a loan, whether you’re going to sell the property straight away or lease it for 10 years first – which one is going to maximise the profit and reduce the risk?” Matthew says.

For Matthew, a project manager for AGM Construction, the assignment provided an opportunity to apply his classroom learning to a genuine property project. The work was marked by an expert panel comprised of teaching staff and industry experts, including a senior manager from Boral who had worked on the Moorebank Quarry project.

“He was there to explain the scenario and then gave us all the information we needed to get started,” Matthew says.

“When it came time to present, we presented in front of him and the lecturer and he gave us advice, recommendations and feedback on our work. It was really good.”

These sorts of real-world activities are a regular feature in the Property Development degree. It’s part of UTS’s broader commitment to producing work-ready, industry-connected graduates whose learning is informed by the profession.

“In the same subject, we also did other assignments that were similar, on real sites, which were on a smaller scale,” Matthew says.

“In terms of size, these were more suited to what I’m doing currently, which was also a good thing – I can adopt these things into my current work.”

Real Estate Investment

Success in real estate investment requires an understanding of finance, investment, management, valuation, and market analysis. The Master of Real Estate Investment will equip you with the requisite expertise in all these domains, and deepen your understanding of the socio-political, economic, financial, and environmental factors that shape the global real estate sector. You will explore investment vehicles, capital markets, financial management, portfolio analysis and management, and the underlying drivers of property values. Further, you can build specialist skills through your choice of elective subjects in the course. Delivered by a highly experienced teaching team and industry professionals, this course structure also recognises the competing demands of life, work, and study and offers a platform to build new professional connections with peers.

Find out more



Master of Real Estate Investment



Master of Property Development and Investment



Mackenzie Moores-Sipos

Master of Real Estate Investment



Mackenzie Moores-Sipos isn't a property professional – but that didn't stop her from enrolling in the Master of Real Estate Investment program at UTS.

Mackenzie Moores-Sipos isn't a property professional – but that didn't stop her from enrolling in the Master of Real Estate Investment program at UTS. A corporate lawyer for real estate fund manager Charter Hall, Mackenzie has found herself working on a range of commercial property matters during her five years with the company.

"I thought it was important to obtain a deeper understanding of the commercial drivers of the business which lead to the investment decisions I'm being asked to document," she says.

"By enrolling in the course, I knew I would be in a better position to provide commercially astute and relevant advice and become a trusted advisor to the group."

Course content spans everything from capital markets and investment asset allocation to property transactions and real estate economics and equities. It's an opportunity for Mackenzie to explore the sector in which she works, as well as to get to know her property industry peers.

"The best thing is I've made a core group of four people who I work with on assignments, so I think as a networking opportunity, it's been great to meet more people in industry," she says.

Another benefit of the degree so far is having access to teaching staff who are also working in industry. Learning from people with hands-on experience keeps the course content relevant and

up to date, and lecturers can also show students how to apply their learning in specific workplace contexts.

"They understand that work actually comes first, because that's who's paying us, and they tell us to make assignments apply to what we do at work," Mackenzie says.

Juggling study with full-time work can be a challenge, but the degree has been structured to recognise the competing demands that postgraduate students face. Course content is delivered via block mode, which means lectures are delivered in a two-week period at the start of the teaching session. The university remains flexible during times of uncertainty – during COVID-19 restrictions in 2021, all classes were made available online.

And Mackenzie also has the support of her company: Charter Hall sponsors a scholarship in the UTS Bachelor of Property Economics, which means they're already aware of the value that UTS can offer their current and future employees.

"Charter Hall has been really supportive of me doing this – they give me five days' study leave a year," she says.

"They obviously see value in me doing this course, both to increase my impact at work and enhance my future prospects."



Research Degrees

As a higher degree research student in the School of Built Environment, you'll join a dynamic and close-knit community of researchers and practitioners already shaping the built environment and its impact on society.

Over recent years, our School has built a reputation for research that delivers meaningful benefits to industry, government and the community; now, we're working in partnership with those same organisations to deliver academically rigorous, industry-informed built environment research for economic, environmental and social good.

Our higher degree research program is shaped by the work of the Built Environment Research Centre (CiRi). All projects align with one or more of the centre's four research themes:

- **A social justice agenda:** Engaging with the built environment to enable broader community access and opportunities for all.
- **Active social enterprise:** Delivering built environment interventions that are socially and environmentally sustainable with improved health and wellbeing outcomes.
- **Industry transformation:** Driving new forms of building production and reshaping how major built environment infrastructure projects are managed.
- **Dealing with digital disruption:** Empowering the built environment through rapid technological change and emerging digital innovations.

A transdisciplinary approach

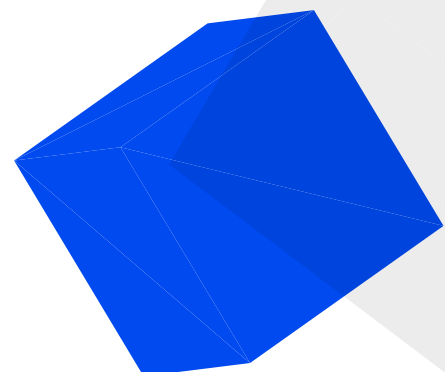
We welcome students from a broad range of disciplinary backgrounds, from those with existing built environment expertise to those seeking to develop an important new specialisation particular to the built environment. The richness of these diverse perspectives, including from fields such as health, management, data science and more, is an important feature of our work.

You'll study under the guidance of leading academics whose built environment research is reshaping policy, industry and practice to have a lasting impact on society and the environment. Like our students, our academic community represents a rich mix of disciplinary backgrounds. We have an abundance of domestic and international expertise.

Degree offerings

- Doctor of Philosophy
- Master of Built Environment (Research)

Industry-based research programs are also available via the UTS Graduate Research School.



Meet our researchers

Professor Sidney Newton PhD FRICS



Sid is a Professor of Building and Director of the Built Environment Research Centre (CiRi). His award-winning research is focused on leveraging emerging digital technologies within the built environment to deliver sound economic benefit for industry and deep social good. In 2020, Sid established the UTS Sensor Lab, a world-first research facility focused on understanding how people experience the built environment in emotional, cognitive and behavioural terms. Here, he and his team produce multidisciplinary research that delivers new perspectives on the construction, design and use of buildings, offering exciting opportunities for higher degree research students with an interest in using biosensors and multifactor simulation to analyse all manner of human-built environment interactions. In 2015, Sid received a Premier Award, International Innovation in Education and Training from the Chartered Institute of Building. He is a previous recipient of a National Citation for Outstanding Contributions to Student Learning and has been named a National Discipline Scholar for Architecture, Design and Building by the Office for Teaching and Learning.

Professor Sara Wilkinson



Sara is a chartered building surveyor and Australia's first female Professor of Property. Her transdisciplinary research program sits at the intersection of sustainability, urban development

and transformation, with a focus on green cities and preparing our urban environments for the challenges of climate change. Recent projects include the use of virtual reality to assess customer willingness to invest in residential green infrastructure, the development of a prototype wallbot to inspect and monitor high-rise green walls, and the performance evaluation of hempcrete wall panels. Sara is a passionate academic supervisor who oversees qualitative, quantitative and mixed-methods higher degree research projects. She works with students to design tailored research projects that capitalise on their interests, connect them to industry networks and deliver opportunities to produce conference presentations, journal papers and professional publications.

Dr Shanaka Herath



Shanaka is a lecturer and researcher with a decade of academic and policy experience, both in Australia and internationally. He teaches urban economics, urban planning and policy analysis; through his research, he explores the challenges associated with housing, cities and the economy, such as willingness to pay for urban amenities, housing affordability and urban disadvantage. As a supervisor, Shanaka offers deep quantitative research skills and extensive experience working with Australian socio-economic datasets, helping his students link urban analysis with policy outcomes. He holds a PhD in Urban and Real Estate Economics from Vienna University of Economics and Business (Austria). Among his many accolades, Shanaka received the Peter Harrison Memorial Prize [State of Australian Cities (SOAC) Conference] in 2017 and the Vice-Chancellor's Post-Doctoral Research Fellowship (University of Wollongong) in 2015.

Professor Martin Loosemore



Martin is an award-winning researcher and Professor of Construction Management. His vast body of research is focused on maximising the positive social impact of the built environment industry, with a particular emphasis on innovation, construction industry reform, entrepreneurship, social enterprise and social procurement, among other areas. Martin's work has received numerous international awards, has attracted more than \$11 million in ARC funding in the last 10 years, and has been widely commercialised through a number of spin-out enterprises and joint ventures. A highly experienced academic supervisor across quantitative and qualitative research projects, Martin works with small numbers of high-achieving, passionate and committed students who represent the best and brightest in their fields. He has supervised 25 higher degree research projects to completion and is dedicated to supporting students to develop resilience, intellectual insights and professional relationships that shape their academic careers.

Caroline Porto Valente

PhD student



If you've ever found yourself shuddering when you open your power bill, you're not alone – according to PhD student Caroline Porto Valente, the high cost of gas and electricity is driving many Australian pensioners into a life of energy poverty.

If you've ever found yourself shuddering when you open your power bill, you're not alone – according to PhD student Caroline Porto Valente, the high cost of gas and electricity is driving many Australian pensioners into a life of energy poverty.

“The idea of energy poverty is that you're either struggling with high energy bills, you're spending a large portion of your income on energy costs, or you are restricting your energy consumption so that you keep your bills manageable,” she says.

“In some situations, especially among vulnerable groups, you'll be doing so to the detriment of your physical and mental health.”

Through her research, which is situated in the School of the Built Environment, Caroline is seeking to understand the lived experience of energy poverty among Australian pensioners, including its causes. Many pensioners live in homes that are old and poorly energy efficient; upgrading these homes and the energy systems that power them would have a positive benefit on residents' health and wellbeing, as well as on Australia's climate futures.

“There are three main ways of making residential energy efficiency improvements: energy-efficient building envelopes, the use of energy-efficient operational appliances and the installation of low-carbon and renewable energy systems,” says Caroline, who won three awards at the 2020 Pacific Rim Real Estate Society (PRRES) Conference for her work.

“As well as alleviating the pressure on people experiencing energy poverty, these upgrades could contribute to decarbonising this sector, meeting our targets for greenhouse gas emissions reduction, and improving the reliability and security of our energy infrastructure.”

The research combines Caroline's passion for social justice, and her desire to pursue built environment research that produces tangible, meaningful outcomes. UTS, with its commitment to research that drives social change, was the perfect place for her to land.

“I wanted to do something that I know is going solve a real-world problem – that can improve people's lives. That was definitely on my high-value list of why I chose UTS.”

Jeff Scales

PhD student



Jeff Scales had more than 20 years of project management experience behind him when he started teaching a subject called Systems Thinking in the UTS Master of Project Management.

It was here that he stumbled across an idea that would shape his future academic career.

“In the Systems Thinking subject, we were talking about system dynamics, and it’s something that’s used to model really big issues,” he says.

“I thought, wow, I can see how this could be used in project management.”

That idea became a PhD in the UTS School of Built Environment, which Jeff commenced in 2016. His aim was to use systems dynamics to contemporise project scheduling techniques, moving the field away from its 1960s origins and giving it a refresh using modern technology.

“I ended up doing a model that constructs schedules differently using these more modern approaches,” he says.

“I wanted to understand how can we change the way in which we structure problems to view them differently and perhaps see solutions that we hadn’t seen before?”

Jeff’s research was supervised by Professor Shankar Sankaran, a high-profile Professor of

Organisational Project Management who has supervised more than 30 doctoral students, and Dr Leila Moslemi Naeni, a senior lecturer in the UTS School of the Built Environment.

What was notable about the supervisory process, Jeff says, is that his supervisors consistently challenged him to develop his own ideas using their guidance and support, rather than providing concrete advice about how and what to research.

“Shankar has a particular way of approaching supervision – he’s an action learner, which means he will never give you an answer. Instead, he will try and lead you in the direction he thinks the answer is,” he says.

While the research itself has been challenging – “There’s a gap between understanding the next step that we could take and streamlining the number of technological steps involved in doing that,” – the experience of building skills and autonomous expertise has been incredibly satisfying.

“The result is that you discover things yourself and you make up your own conclusions. So I feel as if I 100% own all of my research outputs because of that, and I feel confident in what I’ve done,” Jeff says.

How to Apply & Fees

The Academic Year

There are three teaching sessions at UTS:

- Autumn Session: February to June
- Spring Session: July to October
- Summer Session: November to February

While not all subjects offered by UTS are currently run during Summer session, make sure you check out which ones are - it's a great way to get ahead or to reduce your study load during Autumn and Spring Sessions.

Application Closing Dates

If you want to start studying at UTS in either the Autumn or Spring sessions, you need to apply by:

- Autumn session: Late January 2024
- Spring session: Late June 2024

Local Applicants: Coursework

In a postgraduate by coursework degree you'll attend tutorials and lectures, and do assessments, like writing essays and exams. Submit your application for a postgraduate by coursework degree online:

through the UTS Online Application system at uts.edu.au/pg-admissions, or at one of our Postgraduate Expos or postgraduate information sessions. Find out everything you need to know about upcoming information sessions at uts.edu.au/dab-events

Local Applicants: Research

A postgraduate by research degree will see you undertake and complete a research project. Before you submit your application though, you'll need to consider what you want to research, write a research proposal and find a supervisor. When you've done that, send your application to the UTS Graduate Research School.

Visit uts.ac/apply-for-research or email grs@uts.edu.au to find out more about the application process and to apply.

International Applicants

If you're an international student, head to uts.edu.au/international to find the course information, fees and application details relevant to you.

Non-Award Study

Do you want to study a single subject without committing to a full degree? You can! It's called non-award study and it's a great way to upgrade your skills or just learn more about something you enjoy. What's even more exciting is that any subjects you complete may be recognised in future study. To apply, visit uts.ac/non-award-study

English Language Proficiency

There are English language proficiency requirements for all courses. These requirements may apply to you, even if you are not an international student.

Visit uts.edu.au/english-language-requirements to find out more.

Offers

UTS will begin making postgraduate offers for 2024 from Mid-September 2023.

Fees

If you're studying a postgraduate by coursework degree, you'll need to pay tuition fees. You can find out more about what your degree will cost at uts.edu.au/tuition-fee-calculator

For postgraduate by research degrees, you will need to either pay a fee or, if you're eligible for the Research Training Program, the Australian Government will cover the cost for you. To find out more visit uts.edu.au/domestic-hd-fees

If you do have to pay a fee and you're a local student, you may be eligible for FEE-HELP, an Australian Government loan scheme. Using FEE-HELP means you don't have to pay for your tuition fees up front. More information can be found at uts.edu.au/government-help-schemes

You can choose to repay your FEE-HELP loan simply by notifying your employer who will then withhold your payments through the PAYG tax system. You can also make payments directly to the Australian Taxation Office (ATO).

Timetable Information

Do you like to plan ahead? Then check out the UTS Timetable Planner. The online tool lets you see the timetable for the current session, so you can get an idea about when the subjects for your degree may be scheduled and offered. The 2024 timetable will be published in end of November 2023.

Visit mytimetable.uts.edu.au

Connect with us



Information sessions

See upcoming information events, one-on-one chats and webinars at uts.edu.au/dab-events



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