



VICTORIA UNIVERSITY OF
WELLINGTON
TE HERENGA WAKA

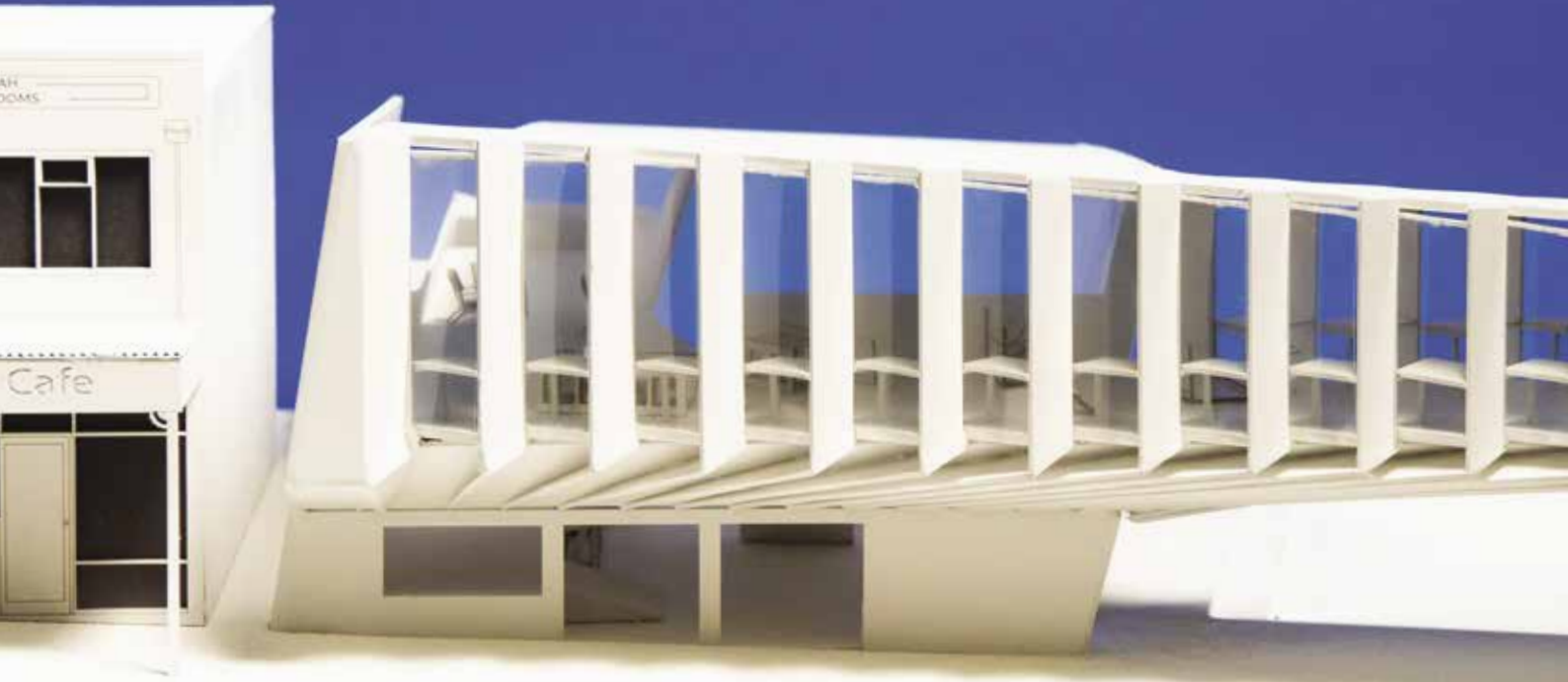
ARCHITECTURE

WAIHANGA

BACHELOR OF ARCHITECTURAL STUDIES

BACHELOR OF BUILDING SCIENCE





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Te Herenga Waka—Victoria University of Wellington has been awarded five stars plus overall in the QS Stars university ratings system. In addition, the University received five stars in all eight categories on which it was evaluated.

IMPORTANT NOTICE: Te Herenga Waka—Victoria University of Wellington uses all reasonable skill and care to ensure the information contained in this document is accurate at the time of being made available. However, matters covered by this document are subject to change due to a continuous process of review and to unanticipated circumstances, including those caused by COVID-19. The University therefore reserves the right to make any changes without notice. So far as the law permits, the University accepts no responsibility for any loss suffered by any person due to reliance (either whole or in part) on the information contained in this document, whether direct or indirect, and whether foreseeable or not.

Cover image: *Architectural models by Saffron Coppell-Lenfert for SARC 261 Communication / Ngā Kaupapa Hangarau.*

Image: *Architectural model of proposed Khandallah library by Harry Davis for ARCI 212 Architecture Design Integration I / Te Whakakotahitanga o nga Tikanga Whakarakei Whare I.*

ARCHITECTURE

WAIHANGA

Architecture is much more than just designing buildings. It is about understanding what the building is for, who is going to use it, how it will be made, and how it will fit in with its surroundings. The Wellington School of Architecture—Te Kura Waihanga offers a range of programmes that will teach you about all aspects of the built environment.

You will explore the cultural, technological, and creative aspects of architecture. You'll consider today's most pressing challenges for contemporary architects and the built environment, both locally and globally.

Studying at the Wellington School of Architecture means you'll work in world-class design studios using state-of-the-art tools and software alongside global experts in the design and construction of buildings and spaces.

In the creative heart of Wellington, just off vibrant Cuba Street, our students regularly engage with industry professionals, forging pathways to their future careers. Our programmes span a range of disciplines at the core of the built environment and have been developed to meet the growing needs of the design and construction sectors.

OUR DEGREES

We offer two three-year undergraduate qualifications: the Bachelor of Architectural Studies—Tohu Paetahi Waihanga (BAS) and the Bachelor of Building Science—Tohu Paetahi Whare Hangahanga (BBSc).

The BAS and BBSc share first-year core courses, so you'll have the option to choose a major that suits your interests and aspirations before your second year. In your first year, you'll be introduced to a broad range of subjects, including design, technologies, architectural history, environmental science, and urban design, that will give you a solid understanding of the built environment.

Image: Interior of architectural model of proposed Khandallah library by Harry Davis for ARCI 212 Architecture Design Integration I / Te Whakakotahitanga o nga Tikanga Whakarakei Whare I.



Conjoint degrees

You can choose to combine your degree with another in a conjoint degree. This will take you less time than completing two degrees separately. Some students combine Architectural Studies with Building Science, and some choose a degree offered at another of the University's schools. Our student advisers can help you make a plan that will work for you.

i www.wgtn.ac.nz/course-planning

BACHELOR OF ARCHITECTURAL STUDIES

TOHU PAETAHI WAIHANGA

As we respond to new challenges relating to environmental sustainability, the evolution of technology, and the changing needs of human habitation, we are constantly making and remaking the physical world. With the Bachelor of Architectural Studies (BAS), you will gain the knowledge and practical skills you need to be an innovator in the industry.

You'll gain a solid grounding in a range of subjects, including architectural history, design, environmental science, technologies, theory, and urban design, as the first step on your journey towards a career in the fields of architecture, landscape architecture, or interior architecture.

OUR STUDIO APPROACH

The design studio is at the heart of our programme. This is where you learn design by doing it—it's a forum for reflecting on design ideas by talking about your work. You'll actively explore the disciplines of architecture and its role in addressing contemporary issues facing the built environment—including changes in society, ecology, and advances in technology. You'll be encouraged to think and act experimentally while addressing problem-based design projects that range from the abstract and conceptual to real-world situations. In developing your studio work, you'll interact with, and learn collaboratively from, peers, senior postgraduate students, academic staff, and practising designers.

Design studio courses also provide a powerful platform to apply and explore principles that you learn in other courses, including elective, technology, and history and theory courses.

Image: Architectural model by Haoyu Ye for ARCI 212 Architecture Design Integration I / Te Whakakotahitanga o ngā Tikanga Wakarākei Whare I.



CAREERS

Our Architecture graduates complete their degrees with an in-demand mix of creative, problem-solving, interpersonal, and technical skills. Our alumni go on to a range of careers, from general practice to specialisations such as acoustics, heritage building conservation, lighting, surveying, or sustainable design and construction. They also move into areas such as arbitration and mediation, building performance, housing policy, and regulatory advice.

Note: If you plan to become a registered architect, you'll also need to complete the Master of Architecture (Professional) following your Bachelor's degree.

Potential jobs:

- Architect
- Building conservation designer
- Consultant
- Designer
- Environmental designer
- Interior designer
- Landscape architect
- Project manager
- Urban planner

FURTHER STUDY OPPORTUNITIES

At the end of your Bachelor's degree, you can continue to study for a Master's degree or a PhD—both of which are recognised worldwide. We offer a range of postgraduate qualifications in our six disciplines:

- Master of Architecture
- Master of Architecture (Professional)
- Master of Architectural Science
- Master of Interior Architecture
- Master of Landscape Architecture
- Doctor of Philosophy

Our Master of Architecture (Professional) and Master of Landscape Architecture degrees meet the academic requirements for professional registration as an architect or landscape architect.

ENTRY REQUIREMENTS

A broad selection of school subjects is recommended, and these might include art, design, English, graphics, and any science or technology.

The Guaranteed Entry Score for the BAS is 180 points, based on your NCEA results. If you are an international student, or haven't done NCEA, your academic suitability will be assessed during the application process. For more information on entry requirements, go to www.wgtn.ac.nz/study

Information on degrees, course details, and prescriptions is on our website.

 www.wgtn.ac.nz/bas



“I was drawn to the University because of the solid reputation its Architecture course had, as well as the opportunity to live in the vibrant cultural hub of Wellington. University taught me how to critically think through an iterative design process, which has been crucial to my career.”

Kurt Cole

Graduate, Bachelor of Architectural Studies and Master of Landscape Architecture
Urban designer and landscape architect at Boffa Miskell



DEGREE STRUCTURE

The Bachelor of Architectural Studies is a three-year undergraduate degree.

Your first year

In your first year, you'll study eight introductory core courses alongside Building Science students, giving you a basic understanding of the principles and theory behind the built environment. These courses give you a broad introduction to the concepts, history, and theory of design, as well as how design is communicated. By the end of your first year, you'll have a strong grasp of the main ideas, vocabulary, and technology of architecture.

Your second year

You will choose your major at the end of your first year, and in your second year you'll begin to focus on your chosen major—Architecture, Architecture History and Theory, Interior Architecture, or Landscape Architecture. You'll look closely at specific areas such as building technologies, culture and heritage, design communication, and site systems and ecology.

Your third year

By this stage, you'll have developed a good understanding of your major and be confident in your skills and knowledge. You'll delve even further into your chosen subject and apply what you've learnt to large-scale projects and research assignments.

BAS degree structure

Example: BAS majoring in Architecture

YEAR 1		YEAR 2		YEAR 3	
Trimester 1	Trimester 2	Trimester 1	Trimester 2	Trimester 1	Trimester 2
SARC 111 Introduction to Design Processes (15 points)	SARC 112 Design Processes (15 points)	ARCI 211 Architecture Design I (15 points)	ARCI 222 Structural Systems for Architecture (15 points)	ARCI 311 Architecture Design II (15 points)	ARCI 312 Architecture Design Integration Capstone (30 points)
SARC 131 Introduction to Sustainability in the Designed Environment (15 points)	SARC 121 Introduction to Built Environment Technology (15 points)	ARCI 251 History and Theory of Architecture (15 points)	ARCI 212 Architecture Design Integration I (30 points)	SARC 351 Urban Design Theory and Practice (15 points)	
SARC 151 Introduction to Design History and Theory (15 points)	SARC 122 Introduction to Environmental Design Sciences (15 points)	SARC 221 Building Materials and Construction (15 points)		SARC 362 Introduction to Practice and Management (15 points)	SARC 321 Construction (15 points)
SARC 161 Introduction to Design Communication (15 points)	SARC 162 Design Communication (15 points)	SARC 223 Human Environmental Science (15 points)	Elective course (15 points)	Elective course (15 points)	SARC 352 Pacific Designed Environments (15 points)
60 points	60 points	60 points	60 points	60 points	60 points
120 points		120 points		120 points	

Total points required: 360

Total points completed: 360

Core courses

Major courses

Elective courses

Core: Core courses are the courses you are required to take to complete a Bachelor of Architectural Studies.

Major: A major is the main subject you'll focus on in your degree.

Elective: Elective courses are an opportunity for you to take courses in other subjects you are interested in, and they don't necessarily need to be related to your major subject.

MAJORS

After your first year, you can choose one of four majors.

Architecture

Bringing together the theoretical and the practical, our Architecture programme encompasses the technological, cultural, and creative aspects of our built environment. This includes everything from construction and environmental science to cultural theory and the development of your own creative voice.

Many students intend to become registered architects, and the BAS in Architecture is the first part in meeting the requirements for registration.

Architecture History and Theory

Explore architecture from a cultural and historical angle. Discover how and why we design buildings and spaces from a political and social context. You will investigate the history of architecture in New Zealand and worldwide, studying its origins and the influence architecture has on society now and has had in the past.

Interior Architecture

Interior Architecture teaches you how to design inspiring spaces to live in. You'll explore how people experience an interior through touch, smell, and sight, and how to apply architectural principles in the design of interiors for a range of commercial and residential settings. You'll develop your ability to communicate ideas to a range of clients through a variety of media.



“This is such a great programme. We really are mentored by the best. Our lecturers have strong links with industry professionals, and these facilitate guest lectures and networking events. It’s a great way to get access to industries and possible career paths.”

Josh Horne

Student, Bachelor of Architectural Studies in Interior Architecture



“I think our teaching is about exposing students to contemporary issues around climate change, urbanisation, and sustainability and then sparking their creativity to come up with the best design solutions to our built environment. In this journey, we all learn from each other.”

Bruno Marques

Programme director for Landscape Architecture and senior lecturer, Wellington School of Architecture

Landscape Architecture

Landscape Architecture is about investigating and creating better design solutions for outdoor spaces. You'll address contemporary challenges related to climate change, urbanisation, and sustainability, and bring together art, culture, nature, and science to create engaging and functional spaces. You'll learn how to understand scale, think spatially, and use the latest design software to plan spaces. You'll graduate with the tools and knowledge to shape our environment with beauty and function.

 www.wgtn.ac.nz/subjects

Image: Light/atmosphere—An exploration of ephemeral light qualities for the design proposal for a new Miramar library by Maddie Zwart, ARCI 212 Architecture Design Integration 1 / Te Whakakotahitanga o ngā Tikanga Wakarākei Whare 1.



BACHELOR OF BUILDING SCIENCE

TOHU PAETAHI WHARE HANGAHANGA

The quality of our buildings is vital to our economy, our environment, our health, and our lifestyle. Take your interest in the process and business of creating great buildings—from construction methods, materials, and systems to project management and contractor relations—and contribute to a more sustainable world.

Te Herenga Waka—Victoria University of Wellington is an international leader in the field of building science, and our Bachelor of Building Science (BBS) is the country's leading programme devoted to the science of buildings. You will study building construction and sustainability to promote the construction of durable, economic, and healthy buildings, while being aware of architectural design issues.

At the end of three years' study, you will have the knowledge and skills to begin a satisfying career in the building industry or to continue your study at postgraduate level. Graduates have expertise in the economics, science, and technology of building and an understanding of architecture.

 www.wgtn.ac.nz/bbsc



CAREERS

Building Science graduates have a combination of theoretical knowledge and practical experience that meets an urgent need for building science professionals. You will find careers in diverse areas including acoustics, building research and development, heating, lighting, project management, and sustainable design.

Potential jobs:

- Acoustician
- Building consent manager
- Building scientist
- Fire consultant
- Heating systems engineer
- Project manager
- Quantity surveyor
- Sustainable systems engineer
- Zero carbon consultant

FURTHER STUDY OPPORTUNITIES

At the end of your Bachelor's degree, you can stay on and study for a Master's degree, or even a PhD. A BBSc leads to postgraduate study in the one-year (Trimesters 1, 2, and 3) Master of Architectural Science (MArchSc) programme. As a Master's student, you can extend your undergraduate major in Project Management or Sustainable Engineering Systems and, in the second year, undertake a thesis topic in:

- energy analysis
- lighting
- project management
- sustainable design
- or another area that can be supervised in the Wellington School of Architecture.

i www.wgtn.ac.nz/postgraduate-architecture

ENTRY REQUIREMENTS

A broad selection of school subjects is recommended, and these might include design, graphics, English, mathematics, and any science or technology.

For more information, go to www.wgtn.ac.nz/study

Information on degrees, course details, and prescriptions is on our website.

i www.wgtn.ac.nz/bbsc



“My building science degree gave me a broad and well-rounded introduction into the construction sector—from construction sequencing and law to sustainable design and superstructure detailing. It gave me the knowledge base to hit the ground running in my career as a project manager, and the skills to combine construction management with sustainability—something unique, but very present in the sector.”

Ben Pilborough

Graduate, Bachelor of Building Science
Project manager at Kāinga Ora



DEGREE STRUCTURE

The Bachelor of Building Science is a three-year undergraduate degree.

Your first year


In your first year, you will study seven core introductory courses and one elective of your choice. Four of the courses will introduce you to the concepts, history, and theory of design, and how design is communicated. Other courses focus on the technology used in creating the built environment and on sustainability.

Your second year

This is the year you will choose your major in either Project Management or Sustainable Engineering Systems. You can also choose to study both majors. You will look more closely at areas such as energy and water use, or managing projects and compliance with relevant legislation.

Your third year

By this stage, you'll have developed a good understanding of Building Science and your major. You will appreciate the important questions related to sustainability, price, quality of construction, and the skill of people involved. At the end of your third year, you'll have the knowledge and skills to begin your career in the building industry or move into postgraduate education.

 www.wgtn.ac.nz/bbsc

BBSc degree structure

Example: BBSc majoring in Project Management

YEAR 1		YEAR 2		YEAR 3	
Trimester 1	Trimester 2	Trimester 1	Trimester 2	Trimester 1	Trimester 2
SARC 111 Introduction to Design Processes (15 points)	SARC 121 Introduction to Built Environment Technology (15 points)	SARC 221 Building Materials and Construction (15 points)	BILD 251 History of Building Technology (15 points)	BILD 364 Building Code Compliance (15 points)	BILD 322 Structures (15 points)
SARC 131 Introduction to Sustainability in the Designed Environment (15 points)	SARC 122 Introduction to Environmental Design Sciences (15 points)	BILD 222 Structural Systems for Building Science (15 points)	BILD 231 Environmental Design (15 points)	SARC 362 Introduction to Practice and Management (15 points)	SARC 321 Construction (15 points)
SARC 151 Introduction to Design History and Theory (15 points)	SARC 162 Design Communication (15 points)	SARC 223 Human Environmental Science (15 points)	BILD 262 Building Project Management Cost Planning (15 points)	BILD 362 Construction Law (15 points)	BILD 361 Project Management (15 points)
SARC 161 Introduction to Design Communication (15 points)	Elective course or SARC 112 Design Processes (15 points)	BILD 261 Building Project Management Economics (15 points)	Elective course (15 points)*	Elective course (15 points)*	Elective course (15 points)*
60 points	60 points	60 points	60 points	60 points	60 points
120 points		120 points		120 points	

Total points required: 360

Total points completed: 360

Core courses Major courses Elective courses

Core: Core courses are the courses you are required to take to complete a Bachelor of Building Science.

Major: A major is the main subject you'll focus on in your degree.

Elective: Elective courses are an opportunity for you to take courses in other subjects you are interested in, and they don't necessarily need to be related to your major subject.

*One of these electives must be a 200- or 300-level elective.

MAJORS

There are two majors available as part of a BBSc: Project Management and Sustainable Engineering Systems. After your first year, you choose to major in one, or both, as part of your degree.

Project Management

Majoring in Project Management will give you the skills to manage a construction project, including contract management and effective communication. You will also be able to navigate both construction and environmental law and understand issues around supply, demand, and competition.



“When I started my studies, I was going to study Architecture, but then I discovered I enjoyed the analytical side of architecture, learning and understanding how the building works, as opposed to how it looks. Understanding this led me into building science and I have never regretted my decision.”

Sarah Buet

Student, Bachelor of Building Science in Project Management and Sustainable Engineering Systems

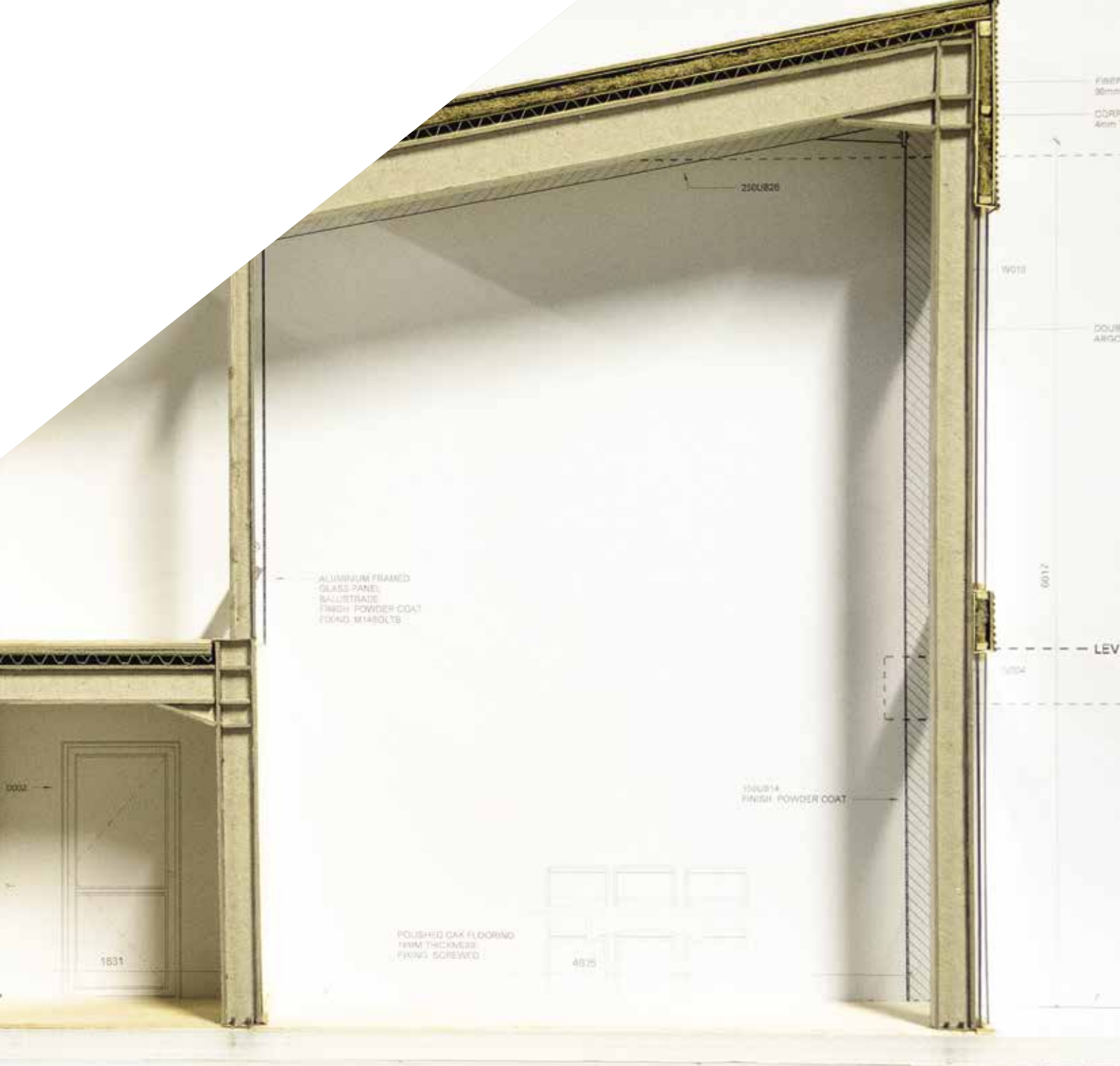
Sustainable Engineering Systems

Majoring in Sustainable Engineering Systems will provide you with the practical and theoretical knowledge you need to work in the design and construction of durable, healthy, and sustainable buildings. You'll get the skills you need to design systems that include the efficient use of sustainable materials.

 www.wgtn.ac.nz/subjects

Image: Extruded Drawing, wood and cardboard architectural model for SARC 221 Building Materials and Construction / Te Waihanga me ngā Momo Rauemi, by Fabian Johnson.





FLOOR
90mm
CORR
4mm

2304/826

1604

COURT
ANG

ALUMINUM FRAMED
GLASS PANEL
BALLBEARING
FINISH POWDER COAT
EDGING M14SOLTS

0017

LEVEL

0002

1500/14
FINISH POWDER COAT

1631

POLISHED OAK FLOORING
18MM THICKNESS
FRAMING SCREWED

4025

FIND OUT MORE

WHY WELLINGTON?

We're at the heart of New Zealand's creative capital city. You'll find this an exciting, inspirational, and enjoyable place to learn, study, and design. The Wellington School of Architecture is home to cutting-edge workshop facilities, extensive media labs, augmented- and virtual-reality research studios, huge 3D printing capability, and the largest robotic design laboratory (and robotic arm) in a New Zealand tertiary institution.

You'll have the opportunity to work with, and learn from, our world-class academics and professional staff in our laboratories, studios, and workshops. You'll explore your ideas and build your skills, with multiple opportunities to showcase your work and network with industry professionals at the variety of events and exhibitions we hold each year.

KEY DATES

Enrolments open on 10 September 2021. Applications for study in 2022 are due on 20 January 2022. We'd love to see you at one of our information events—check our website for dates.

www.wgtn.ac.nz/information-evenings

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www.wgtn.ac.nz/wfadi

www.facebook.com/VUWArchitectureandDesign

www.instagram.com/wgtnfadi

COURSE PLANNING

For help with course planning, contact Student Recruitment and Orientation.

☎ 0800 040404

✉ course-advice@vuw.ac.nz

www.wgtn.ac.nz/courses

OTHER STUDENT RESOURCES

Disability support

www.wgtn.ac.nz/disability

Māori student support

www.wgtn.ac.nz/awhina

Pasifika student success

www.wgtn.ac.nz/pasifika

Rainbow student support

www.wgtn.ac.nz/rainbow

Scholarships

www.wgtn.ac.nz/scholarships

Student services and support

www.wgtn.ac.nz/student-support

AVAILABLE MAJORS

BACHELOR OF ARCHITECTURAL STUDIES

Architecture

Architecture History and Theory

Interior Architecture

Landscape Architecture

BACHELOR OF BUILDING SCIENCE

Project Management

Sustainable Engineering Systems





VICTORIA UNIVERSITY OF
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INFO IHONUI

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