



Bachelor of **Construction***

The construction industry plays a crucial role in addressing New Zealand's infrastructure needs, from housing and schools to healthcare facilities and transport systems. If you're interested in the process of creating and managing buildings—from modern construction methods and advanced digital technologies to project management and sustainable building practices—the Tohu Paetahi o te Hanganga—Bachelor of Construction (BConst) at Te Herenga Waka—Victoria University of Wellington is your path to contributing to a more affordable and sustainable built environment.

This degree equips you with the skills to tackle the challenges of modern construction, including housing shortages, infrastructure development, and climate-change adaptation. You will learn about construction management, health and safety, and sustainable construction, including the latest construction technologies such as artificial intelligence, big data, drones, remote sensing, and robotics. You will develop skills to reduce risks and increase innovation.

The BConst offers three majors—Construction Management, Construction Health and Safety, and Sustainable Construction—designed to meet industry demand. This flexible degree will allow you to take two majors or one major and two minors. Students will be able to take a second major or two minors in areas such as Building Surveying, Built and Natural Heritage Conservation, Project Management, Smart Cities and Digital Built Environments, and Sustainable Engineering Systems from our Bachelor of Building Science. You'll also gain practical experience through industry connections, field trips, and real-world projects, preparing you for a successful career in the construction sector.

*Subject to regulatory approval.

Upon graduation, you'll be ready to step into roles such as construction manager, quantity surveyor, or project manager, or continue your studies at postgraduate level. Graduates of the BConst will be well-prepared to meet the growing needs of the construction industry, with the knowledge and skills to lead projects that improve productivity, sustainability, and safety in the sector.

CAREER OPPORTUNITIES

Graduates of the BConst will have the skills and knowledge needed to address the critical shortage of skilled professionals in the construction sector. With expertise in construction management, health and safety, and sustainable construction, you'll find opportunities across diverse areas. Potential career paths from our majors include: circular economy specialist, contract administrator, construction manager, construction supervisor, environmental compliance officer, estimator, health and safety officer, materials specialist, project manager, property developer, risk management consultant, site engineer, site safety supervisor, sustainable consultant, waste management coordinator, wellbeing officer.

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POSTGRADUATE STUDY

After completing your Bachelor's degree, you may choose to further develop your skills in areas such as construction technologies, health and safety, procurement and logistics, and Māori land and development. Postgraduate options also include the Master of Architectural Science (MArchSc), Master of Construction Law (MConsLaw), or Master of Urban and Regional Planning (MURPlan).

SCHOOL SUBJECTS

There are no required subjects for studying Construction, but a broad selection of school subjects is recommended—these might include Art, Design, Design and Visual Communication, English, Mathematics, Physics, and any Science or Technology.

MAJORS

Construction Health and Safety / Hauora me te Haumarū

The major in Construction Health and Safety gives you a broad understanding of key principles of health and safety and shows you how to apply them in the construction industry. You'll learn how to promote a strong safety culture by identifying and preventing hazards and mitigating risks. As well as learning about hazardous materials and working at heights or in confined spaces, you'll become an expert in safety issues related to fire, excavation, and electrical equipment. You'll also learn how to advocate for the physical and mental wellbeing of construction workers, promoting safe work practices and a supportive work environment.

Construction Management / Whakahaere Hanganga

The major in Construction Management gives you a solid foundation in the principles and practices of construction management. It equips you to step into a leadership role and manage complex projects—from skyscrapers to sustainable communities. You'll gain in-depth knowledge of building codes, regulations, and standards, so you can be sure a project is compliant. Using cutting-edge technologies to reduce costs and risks, you'll drive innovation, efficiency, and sustainability in the industry. Through your studies, you'll work in multidisciplinary teams, collaborating with architects, engineers, and other construction professionals. You'll develop your skills at communicating complex information to diverse audiences, including clients, contractors, and community stakeholders.

Sustainable Construction / Hanganga Toitū

The construction industry is under pressure to reduce its environmental impact and contribute to a more sustainable future. The industry needs experts with up-to-date knowledge who can incorporate sustainable practices into construction methods. With a major in Sustainable Construction, you'll gain the knowledge and skills to evaluate and implement sustainable construction practices. This major will put you on course to be a leader in green building, waste reduction, and worker wellbeing. You'll be equipped to shape projects that are environmentally responsible and socially conscious, doing your part to bring about a safe and thriving construction industry.

DEGREE REQUIREMENTS

Three years of full-time study.

Satisfy the requirements for at least one major.

A total of 360 points is required:

- ▶ at least 180 points must be from courses above 100-level, including at least 120 points from the BAS, BBSc, and BConst schedules
- ▶ at least 75 points must be from courses numbered 300–399 in the BBSc and BConst schedules.

You must include the following core courses:

- ▶ CONM 111, CONM 112, SARC 121, SARC 131
- ▶ BILD 222, CONM 211, SARC 221
- ▶ SARC 321, SARC 362.

First-year core (all majors)

Trimester 1 (1/3)	Trimester 2 (2/3)
SARC 131	SARC 121
CONM 111	CONM 122

Major in Construction Management (CMGT)

First year: CONM 111, CONM 121, CONM 122.

Second year: BILD 222, BILD 251, BILD 262, CONM 211, SARC 221.

Third year: BILD 362, BILD 364, CONM 321, SARC 321, SARC 362.

Major in Construction Health and Safety (CHAS)

First year: CONM 112, HLWB 101, HLWB 102.

Second year: BILD 222, CONM 211, HLWB 207, SARC 221, SARC 224; one of (HLWB 206, PAAH 202, SIDN 233).

Third year: CONM 312, HLWB 307; SARC 321, SARC 362; one of (HLWB 306, HWLB 309, SARC 388, SIDN 321, SIDN 372).

Major in Sustainable Construction (CSUS)

First year: CONM 122, SARC 122; 15 further points from 100-level BILD/CONM/SARC courses.

Second year: BILD 222, CONM 211, CONM 212, CONM 222, SARC 221, SARC 232.

Third year: CONM 311, CONM 322; SARC 321, SARC 362; one of (BILD 321, BILD 364, SARC 331).

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Minors

Up to two minors may be taken from the list of major subjects across the Bachelor of Building Science and Bachelor of Construction.

The following minors must include 60 points at 200 level or above from the corresponding majors from the regulations of the BConst and BBS degrees, including the courses listed:

- ▶ Building Surveying / Aromātai Hanganga (BSUR)—BILD 301, BILD 302
- ▶ Built and Natural Heritage Conservation / Te Whāmotanga o te Hanga ā-Ringa me te Hanga ā-Taiao (BNHC)—SARC 252, SARC 354
- ▶ Construction Health and Safety / Hauora me te Haumaru (CHAS)—CONM 312, HLWB 207
- ▶ Construction Management / Whakahaere Hanganga (CMGT)—CONM 211, CONM 321; one of (BILD 362, BILD 364)
- ▶ Project Management / Whakahaere Kaupapa (BPGT)—BILD 361, BILD 362; one of (BILD 261, BILD 262)
- ▶ Smart Cities and Digital Built Environments / Tāone Atamai me ngā Whaitua Hanga Matihiko (BSCD)—two of (MDDN 222, MDDN 242, MDDN 333, MDDN 342, SARC 301, SARC 315, SARC 351, SARC 363)
- ▶ Sustainable Construction / Hanganga Toitū (CSUS)—CONM 311, CONM 322
- ▶ Sustainable Engineering Systems / Pūnaha Pūhanga Toitū (BSEG)—two of (BILD 231, BILD 321, BILD 322, SARC 223, SARC 232, SARC 331).

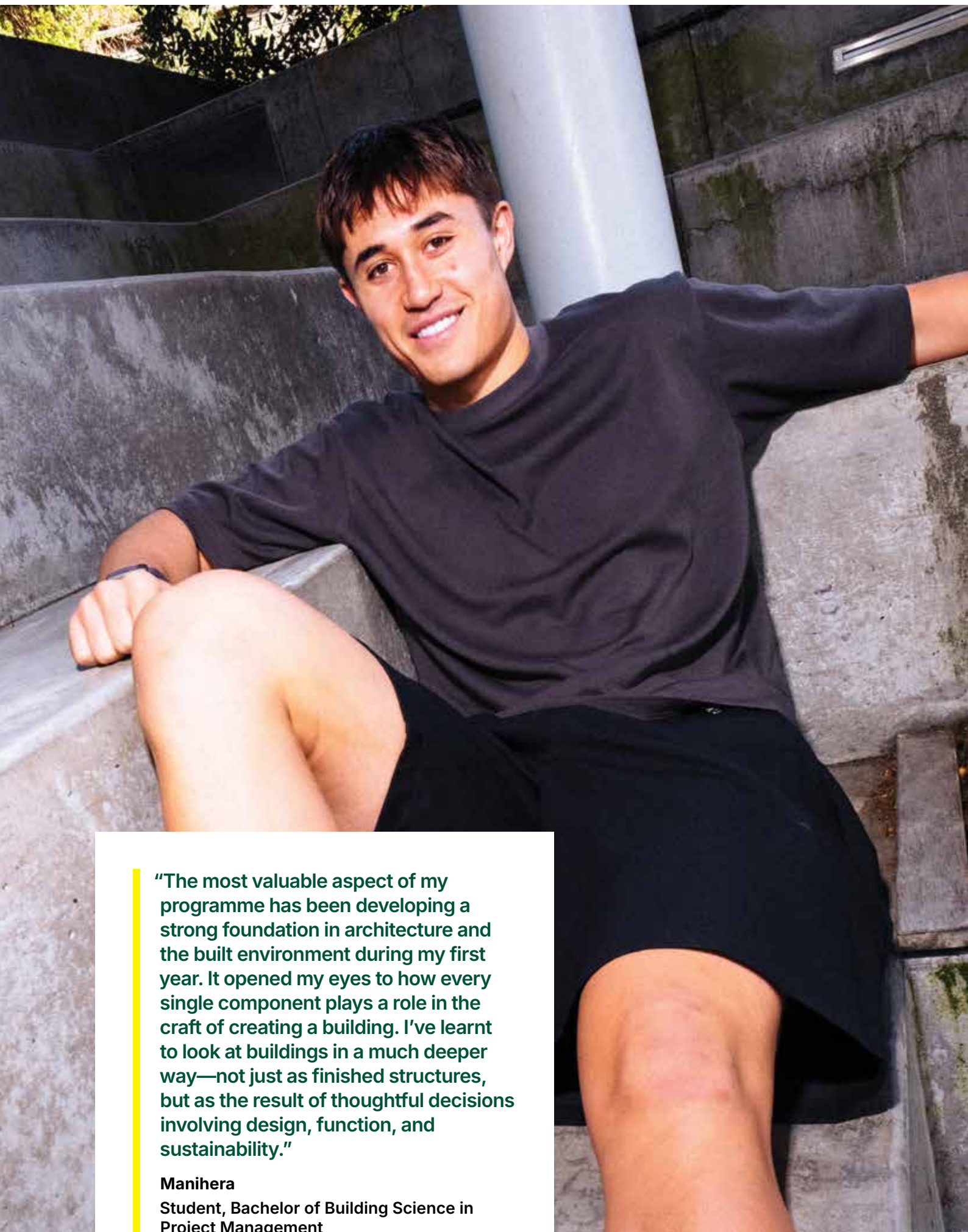
DEGREE EXAMPLE

BConst majoring in Construction Management

YEAR 1		YEAR 2		YEAR 3	
1/3	2/3	1/3	2/3	1/3	2/3
SARC 131 15 points	SARC 121 15 points	BILD 222 15 points	BILD 251 15 points	SARC 362 30 points	SARC 321 30 points
CONM 111 15 points	CONM 122 15 points	SARC 221 15 points	BILD 262 15 points	BILD 362 15 points	CONM 321 15 points
ELECTIVE 15 points	CONM 121 15 points	CONM 211 15 points	ELECTIVE 15 points	BILD 364 15 points	ELECTIVE 15 points
ELECTIVE 15 points	ELECTIVE 15 points	ELECTIVE 15 points	ELECTIVE 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

KEY: CORE MAJOR ELECTIVE



"The most valuable aspect of my programme has been developing a strong foundation in architecture and the built environment during my first year. It opened my eyes to how every single component plays a role in the craft of creating a building. I've learnt to look at buildings in a much deeper way—not just as finished structures, but as the result of thoughtful decisions involving design, function, and sustainability."

Manihera

Student, Bachelor of Building Science in
Project Management