

SCHOOL OF ARCHITECTURE & DESIGN

GRADUATE CERTIFICATE IN TIMBER (PROCESSING & BUILDING)



UNIVERSITY OF TASMANIA

A Graduate Certificate is a four-unit postgraduate course taken to develop specialist knowledge or skills. The Graduate Certificate provides students with advanced skills in the design, construction, maintenance and management of timber-rich buildings and structures, or the production of timber and wood products.

WHAT WILL I LEARN?

Students will learn the basics of wood science and the role of timber and wood products as a renewable resource for society before selecting areas of study relevant to their areas of expertise and interest: timber's use as a building material, timber board or engineered wood product manufacture and use, or a mixture of these fields. The course deals primarily with Australian practice but highlights major international technologies and developments with a focus on sustainable production and construction practice.

HOW LONG IS THE COURSE?

As this is a part-time course, students can take one to three years to complete the required units. Most students take three or four semesters to complete the course. To graduate, students must successfully complete four units.

HOW ARE THE UNITS STRUCTURED?

The course is flexibly delivered (online) for those active in industry around Australia. Students must complete the prerequisite core skills unit, KDA503 Timber, Its Origin & Characteristics then choose three units from the list below with a maximum of one elective.

The units are:

KDA503 Timber, Its Origin & Characteristics

This unit is a prerequisite that has to be completed before progressing to other timber units in the course. KDA503 provides core understanding of the material's properties and behaviour. It includes an overview of the material before exploring its character in detail, especially wood-water relationships and the connections between structure and performance.

KDA504 Timber in Building Construction

Introduces the principles, requirements and techniques of current Australian timber construction, dealing with the material used structurally or as an appearance product. The requirements of the National Construction Code and major performance standards are also covered in detail.

KDA505 Timber & Durability in Exposed Applications

Explores the principles and techniques of design and construction for effective timber durability. It introduces the key mechanisms of biodegradation and hazard: decay, weathering, insects and fire before covering treatment and design for improving performance and extending service life.

KDA506 Board Processing: Hardwood & Softwood

Covers the principles and practices of converting logs into stable and dry timber. It introduces the determinants that influence processing strategy before dealing with the major stages of processing solid wood boards from breakdown of the log, to dry milling and grading.

KDA507 Engineered Wood Products

Deals with the major stages of engineering wood product manufacture and use in Australia and internationally from conversion of the log into veneer or laminates and their assembly into sheets or other elements. EWP jointing and construction systems and design exemplars are investigated.

Electives: Provide opportunities for students to expand their skills in areas such as learning-by-making, finance and management. Students may take only one elective as part of the course.

HOW DO I COMPLETE THE WORK FOR EACH UNIT?

The course is flexibly structured and delivered online for those involved or interested in the building design and

construction industry or timber production and can be completed part-time.

Each unit usually has 12 weeks of online lectures, tutorials and assignments. These can be downloaded in various formats and completed from work, home, or anywhere with an internet connection.

WHO CAN APPLY?

To enter the course, applicants need to have a relevant degree or an acceptable combination of tertiary qualifications and relevant industry experience.

Generally, successful applicants will have:

- An undergraduate degree in Building, Architecture, Engineering, Forestry or related disciplines.
- A degree in any discipline combined with relevant industry experience.
- An acceptable combination of training qualifications and relevant industry experience

Applicants without a degree are encouraged to apply. They will be considered for admission under the Faculty of Science, Engineering & Technology's policy for the admission of non-graduates to postgraduate coursework programs available at <http://www.utas.edu.au/science-engineering-technology/students>

For applicants without tertiary education experience, there are also a number of bridging / enabling programs:

• UniStart

A transition program which is free for Australian residents and citizens: www.utas.edu.au/unistart/

• University Preparation Program (UPP)

A preparation program with no charge for Australian residents and citizens: www.utas.edu.au/utas-college/university-preparation-program

• ESH100 Thinking and Writing at University

A 12.5% unit run in Semester 1 and 2 in on-campus and distance mode: <http://courses.utas.edu.au>

WHO WILL BENEFIT FROM THE COURSE?

The course will benefit anyone already working or wishing to work in:

- Timber production and component fabrication.
- Timber marketing and distribution.
- Architectural, landscape and infrastructure design.
- Construction.
- Timber building and facilities management and maintenance.

The GradCert Timber provides a career pathway for applicants with an acceptable combination of training qualifications and relevant industry experience. Graduates can work independently or be employed in either the building or timber production industries. With increasing interest in timber as a preferred material in sustainable construction, graduates can specialise in their respective disciplines in areas related to timber design, construction, and management of buildings and similar structures. Similarly, there are increasing specialised career opportunities in the processing, fabrication, marketing and distribution sectors of the timber industry for graduates and those with relevant training and experience. This includes employment in production, sales and design support.

HOW MUCH DOES THE COURSE COST?

This is a full-fee paying course available to students in Australia and internationally. Fees for students in 2013 are approximately \$2,300 per unit. Australian citizens and some Australian visa holders can participate in the Higher Education Loan Program (FEE_HELP) to defer payment of fees. Those paying up-front fees are required to pay at the beginning of each semester. For more information on fees, please visit the UTAS website: www.studentcentre.utas.edu.au/fees/

WHEN CAN I APPLY?

Intakes occur in both semesters one and two. To commence study in semester one (February) you can apply from August of the year prior until the beginning of semester one. To commence study in semester two (July) you can apply from April of the same year until the beginning of semester two. However, it is highly recommended that you apply well before the beginning of semester to allow yourself time to get organised.

HOW CAN I APPLY?

The preferred application method at the University of Tasmania for domestic students is via the Apply-by-web facility at: www.utas.edu.au/apply International students can apply via the international students' page: www.utas.edu.au/international

HOW CAN I FIND OUT MORE?

For more information about courses on offer, admission procedures and services for students please refer to the Admission Guide: www.utas.edu.au/admissions or contact the University of Tasmania's School of Architecture & Design on 03 6324 4488 or enquiries@arch.utas.edu.au

CONTACT US

AUSTRALIAN STUDENTS

For further information about the University, including course information and application processes, contact the Uni Info Centre.

Phone: 1300 363 864

Email: Course.Info@utas.edu.au

Web: www.postgrad.utas.edu.au

INTERNATIONAL STUDENTS

For intending International students, detailed information on the content of these and other UTAS courses, campuses, facilities, fees, refund policy, rules of admission and assessment, the ESOS Framework and an overview of the local Tasmanian environment, please visit the UTAS International Students website on:

www.utas.edu.au/international

Phone: +62 3 6324 3775 Email: Your.Study@utas.edu.au

Please be advised that not all courses offered by UTAS are available to Overseas/International Students

www.utas.edu.au

