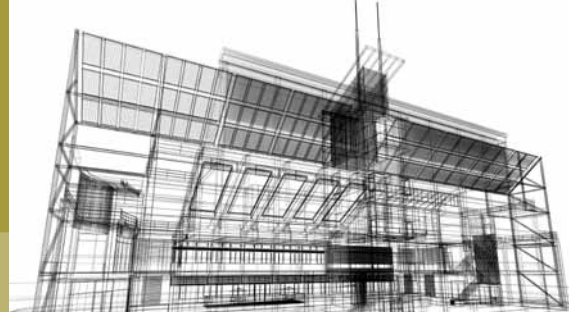


BUILDING AND ARCHITECTURE

Course	Intake details	Admission	Employment opportunities	Further study
<i>Carpentry, Building and Construction</i> Diploma of Building and Construction/Certificate III in Carpentry CRICOS 073739G, Course CPC50210 CRICOS 073740D, Course CPC30208	2 Years Dandenong, Frankston February/July \$15,000 Yr 1 + \$600 MF \$12,500 Yr 2 + \$340 MF	Equivalent Academic IELTS 5.5 Equivalent Year 11	Building tradesperson (carpenter) Building foreman Building estimator Building supervisor	Bachelor of Business (major choices) at Holmes Institute See page 18
Certificate III in Carpentry CRICOS 073740D, Course CPC30208	1 Year Dandenong, Frankston February/July \$15,000 + \$600 MF	Equivalent Academic IELTS 5.5 Equivalent Year 11	Building tradesperson (carpenter) Builder Foreman	Diploma of Building and Construction
<i>Building and Construction</i> Diploma of Building and Construction CRICOS 073739G, Course CPC50210	2 Years Dandenong, Frankston February/July \$10,900 pa + 680 MF	Equivalent Academic IELTS 5.5 Equivalent Year 12	Building contractor Building supervisor Contract administration Building estimating Project scheduling Office administration	Bachelor of Business (major choices) at Holmes Institute See page 18
<i>Architecture</i> Advanced Diploma of Building Design (Architectural) CRICOS 069215D, Course 21953VIC	2.5 Years Frankston February \$12,200 Yr 1 + \$340 MF \$10,400 Yr 2 + \$340 MF \$5,200 Yr 3	Equivalent Academic IELTS 6.5 Equivalent Year 12	Architectural drafting Building designer	Bachelor of Construction Management at Deakin University Bachelor of Design (Architecture) at Deakin University Bachelor of Construction Management/Bachelor of Design (Architecture) at Deakin University See page 18

*MF Materials fee



Overview

The Diploma of Building and Construction (Building)/Certificate III in Carpentry is a dual qualification that allows students to gain both the practical skills in carpentry as well as the construction project management, building and supervisory skills required in the building and construction industry. The Diploma of Building and Construction covers building theory and practice related to residential, industrial and commercial buildings. The Certificate III provides the practical skills and knowledge required to undertake employment as a carpenter in the building and construction industry. Graduates will have specialist skills in plan estimating, scheduling, construction technology, surveying procedures and regulations, standards – leading to greater employment opportunities and articulation to further study.

This course provides comprehensive training in all practical and theoretical aspects of the carpentry trade. Areas of study include restricted height scaffolding, explosive power tools, timber wall framing, timber pitched roof-framing, sub floor framing, timber and sheet flooring and door frames. Students take part in frequent site visits and have maximum exposure to live work. Students have the opportunity to take part in community building projects, which allow them to grow their experience and skills on the job. This ensures Chisholm's carpentry and building graduates are well regarded in the building and construction industry.

This course prepares graduates for a role as a builder or supervisor in the medium rise construction sector. The course focuses on supervision and planning of the construction process. Students progress from residential to commercial building projects, working individually and in teams to complete tasks. An emphasis of this course is on the integration of project (construction) supervision and building design. The course makes use of the latest software and virtual building technology to complete construction planning, modelling and costing tasks. Graduates in this course will have specialist skills in areas such as project management, risk management, codes and regulations, cost control and supervision via theory and practical projects related to residential, industrial and commercial building construction.

This course prepares graduates for a career in building design as either an employee or a business owner, designing commercial or residential buildings. The course brings together building information modelling and environmental sustainability to generate and design architectural plans and models. Students progress from residential to commercial building projects, working individually and in teams to complete tasks varying from reports and presentations to complex drawn documents.

Design and documentation of projects is undertaken using the most current computer software and modelling technology. Successful completion of this course fulfils the minimum educational requirement for registration as a draftsman with the Building Commission. For many students, this course acts as a pathway to bachelor level study in architecture. Environmental sustainability is embedded into our building and architecture courses, to prepare tomorrow's workforce to contribute to a sustainable future. Our students are trained in ecologically sound principles, resulting in diligent, environmentally aware and sought after graduates who are responsive to current and potential issues in the industry.

- Hand and power tools
- Building codes
- Restricted height scaffolding
- Levelling
- Apply structural principals
- Formwork sub floor framing
- Wall and roof framing
- Doors and fixings
- Produce estimated costs
- Produce labour costs
- Plan building and construction works
- Conduct on-site supervision
- Legal requirements for building
- Apply construction principals
- Read and interpret plans
- Site surveying and procedures
- Build thermally efficient structures
- Advanced roofing
- Building codes
- Manage finances

- Hand and power tools
- Building codes
- Restricted height scaffolding
- Levelling
- Apply structural principals
- Formwork sub floor framing
- Wall and roof framing
- Doors and fixings
- Measurements and calculations
- Carry out excavation
- Concreting to simple forms
- Carry out general demolition
- Operate elevated work platforms
- Use explosive power tools
- Install floor systems
- Install/replace doors and windows
- Erect roof trusses
- Install linings panelling and mouldings
- Install external cladding

- Apply codes and standards
- Monitor building construction costing systems
- Supervise planning of construction work
- Structural principals of medium rise buildings
- Apply principals of risk management
- Produce working drawings – residential
- Manage project quality
- Manage project risk
- Administer legal obligations of a building
- Construction contracts
- Identify services layout
- Apply legal requirements to urban development and building construction

- Design safe buildings
- Design sustainable buildings
- Manage architectural project administration
- Integrate digital applications into architectural workflows
- Comply with codes and standards
- Integrate services into design documentation
- Apply structural and construction technology to the design of commercial buildings
- Contribute to the implementation of strategies to control
- Occupational health and safety risk
- Site surveying
- Construction technology
- Computer aided design (CAD)
- Building information models
- Working drawings
- Design presentation
- Building design
- Building materials
- Building services
- Design presentation
- Business planning