

Prospective Study Guide for the New Zealand Certificate in Carpentry

Year 1

Course No	Course Title	Level	Course Aim
CIBC4101	Carpentry Introduction 1	4	To enable students to select tools and equipment of the trade, identify and show an understanding of legislation, consent process and licensing, and identify building types and construction methods and have a basic understanding of each.
CIBC4102	Carpentry Introduction 2	4	To enable students to use tools and equipment of the trade, and apply appropriate health and safety legislation in everyday construction operations.
CIBC4103	Preliminaries 1	4	To develop skills in building mathematics, planning and communication, site establishment and maintenance, and site set-out.
CIBC4104	Preliminaries 2	4	To be able to carry out building mathematics, planning and communication, and, establish and maintain sites.
CIBC4105	Interiors 1	4	To enable students to identify thermal insulation, linings and finishing trim, and carry-out building mathematics.
CIBC4106	Exterior Structures 1	4	To enable to fix and brace wall frames, and fix roof support members.
CIBC4107	Walls and Roofs 1	4	To identify how wall and roof structures, and ceiling framing are constructed, and to perform building mathematics.
CIBC4108	Joinery 1	4	To develop an understanding of the principles used to manage weathertightness issues, and install interior joinery.

Year 2

Course No	Course Title	Level	Course Aim
CIBC4109	Exterior Structures 2	4	To develop skills on construction of frames, post and portal construction, and building science.
CIBC4110	Walls 1	4	To enable to construct walls.
CIBC4111	Exterior Envelope 1	4	To apply building mathematics, and to know about roof and wall cladding.
CIBC4112	Support Structures 1	4	To develop knowledge on foundations and retaining walls.
CIBC4113	Support Structures 2	4	To construct timber framed foundations and sub- floors.
CIBC4114	Exterior Envelope 2	4	To identify roof claddings, joinery and wall claddings.
CIBC4115	Support Structures 3	4	To construct retaining walls, and work within code and compliance processes.
CIBC4116	Exterior Structures 3	4	To install joinery, hardware and materials.

Year 3

Course No	Course Title	Level	Course Aim
CIBC4117	Exterior Structures 4	4	To construct decks, and stairs or ramps, and comply with consent and code requirements.
CIBC4118	Support Structures 4	4	To construct concrete floors.
CIBC4119	Concrete Structures	4	To describe materials, building types and methods, columns, posts, beams and portals and concrete floors.
CIBC4120	Interiors 2	4	To construct ceiling frames, brace and connect roof frame to wall and install wall and ceiling linings.
CIBC4121	Exterior Envelope 3	4	To install wall claddings.
CIBC4123	Roofs 1	4	To construct roofs, support framing, penetrations, and finishing trim.
CIBC4124	Roofs 2	4	To use building mathematics and to construct roofs, and ceilings.

Year 4

Course No	Course Title	Level	Course Aim
CIBC4125	Preliminaries 3	4	To explain site establishment and maintenance, drawings and specifications, and develop planning and communication skills.
CIBC4126	Preliminaries 4	4	To know legislation, consents and licensing, and building science. Students will identify and take up opportunities for ongoing development of carpentry knowledge and skills, establish and sustain supervision systems and consistently demonstrate appropriate levels of commercial competence when undertaking carpentry tasks.
CIBC4127	Exterior Envelope 5	4	To install roof claddings.
CIBC4128	Interiors 3	4	To install finishing trim, joinery, and hardware.
CIBC4129	Alterations and Additions	4	To disestablish sites, plan and undertake demolition, and form penetrations in ceilings, and framed floors.
CIBC4130	Preliminaries 5	4	To apply knowledge of legislation, consents and licensing, drawings and specifications and site establishment and maintenance.
CIBC4131	Capstone 1	4	To self-manage on-going learning and supervise the learning of others with a responsibility to maintain the professional standards of the construction industry. They will also operate competently and unsupervised to the required safety, technical, quality and productivity standards expected in a commercial environment.
CIBC4132	Capstone 2	4	To operate competently and unsupervised to the required safety, technical, quality and productivity standards expected in a commercial environment. They will also supervise the learning of others with a responsibility to maintain the professional standards of the construction industry.