

Table 1 NRF taxonomy

Field	Cate- gory	Discipline	Level	Endorsement	Definitions	Permitted Work	Qualification	Experience
Building Production	Design	Building Design (includes architect & draftsperson)	1		Building design work is the development of construction design documentation and specifications relating to the design of a new building or alteration to an existing building where the design is required to meet the requirements of the NCC, but does not include building professional engineering design work , or building technical design work .	All NCC building Classes - performance and DTS.	Approved degree in architecture, architectural science or architectural design that includes NCC training; or Approved degree in architecture, architectural science or architectural design plus approved NCC training, or Registration as a practicing architect.	3 years
			2		Building design work includes checking, peer review and signing certificates of compliance. Building professional engineering design work means engineering work that requires, or is based on, the application of engineering principles and data to a design relating to engineering for a building other than engineering work that is done only in accordance with a prescriptive standard.	NCC Class 1 and 10 buildings - performance and DTS. NCC Class 2 to 9 buildings - performance and DTS to a maximum of three storeys above a storey used for parking vehicles but not including Type A construction other than for NCC Class 2, 3, or 9 buildings.	Approved associate degree or diploma in architectural design or building design that includes NCC training, or Approved associate degree or diploma in architectural design or building design plus approved NCC training.	3 years
				Energy Efficiency Design (Commercial) - level 2	Building technical design work means: • Fire systems design work limited to licensed fire systems designers under fire systems licensing legislation. • Plumbing design work limited to licensed plumbing systems designers under plumber licensing legislation. • Gas design work limited to licensed gas systems designers under gas licensing legislation.	Commercial energy efficiency design work for all NCC Classes 2 to 9 - performance and DTS	Approved associate degree or diploma in architectural design, mechanical or building services engineering that includes training in commercial energy efficiency design and the NCC, or Approved degree or diploma in architectural design, mechanical or building services engineering plus approved training in commercial energy efficiency design and the NCC	3 years
		3			• Electrical design work limited to licensed electrical systems designers under electrical licensing legislation. Building designer is an individual registered in the discipline of building design. Endorsed building designer is an individual registered in the discipline of building design with endorsement in disability access design, or commercial or residential energy efficiency design. Commercial energy efficiency design work is the application of NCC 2019 Volume One Section J to design documentation and specifications for the approval and construction	NCC Class 1 and 10 buildings - performance and DTS. NCC Class 2 to 9 buildings - performance and DTS with a gross floor area of not more than 2000m ² , but not including Type A or Type B construction.	Approved certificate IV or diploma in building design or architectural drafting that includes NCC training, or Approved certificate IV or diploma in building design or architectural drafting plus approved NCC training.	3 years
		Energy Efficiency Design (Residential) - level 3			Residential energy efficiency design work NCC Class 1, 2, 4 (parts of buildings) and 10 buildings - performance and DTS.	Approved Certificate IV in Nationwide House Energy Rating Scheme (NatHERS) Assessment that includes NCC training, or Approved Certificate IV in NatHERS Assessment plus approved NCC training.	3 years	

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				Disability Access Design	<p>of a new building or alteration to an existing building where the design is required to meet the performance requirements of the NCC.</p> <p>Residential energy efficiency design work is the application of NCC Volume Two Section 2.6 and Part 3.12 to design documentation and specifications for the approval and construction of a new building or alteration to an existing building where the design is required to meet the Performance Requirements of the NCC.</p> <p>Disability access design work is the application of the disability access provisions in NCC Volume One Sections D, E, F and H to design documentation and specifications for the approval and construction of a new building or alteration to an existing building where the design is required to comply with the NCC.</p>	Disability access design work all NCC building Classes - performance and DTS	Approved certificate IV in disability access consulting that includes NCC training, or Approved certificate IV in disability access consulting plus approved NCC training.	3 years
		Geotechnical Design	1		<p>Geotechnical professional engineering design work means engineering work that requires, or is based on, the application of engineering principles and data to a design relating to geotechnical engineering for a building other than engineering work that is done only in accordance with a prescriptive standard. Engineering work includes design, checking, peer review and signing certificates of compliance.</p>	Geotechnical professional engineering design work, all NCC building Classes or size - performance and DTS.	Degree in civil or geotechnical engineering, accredited to the Washington Accord, that includes approved NCC training, or Degree in civil or geotechnical engineering, accredited to the Washington Accord, plus approved NCC training.	5 years
		Structural Design	1		<p>Structural professional engineering design work means engineering work that requires, or is based on, the application of engineering principles and data to a design relating to structural engineering for a building other than engineering work that is done only in accordance with a prescriptive standard. Engineering work includes design, checking, peer review and signing certificates of compliance.</p>	Structural professional engineering design work, all NCC building Classes or size - performance and DTS.	Degree in civil or structural engineering, accredited to the Washington Accord, that includes approved NCC training, or Degree in civil or structural engineering, accredited to the Washington Accord, plus approved NCC training.	5 years
		Electrical Design	1		<p>Electrical professional engineering design work means engineering work that requires, or is based on, the application of engineering principles and data to a design relating to electrical engineering for a building other than engineering work that is done only in accordance with a prescriptive standard. Engineering work includes design, checking,</p>	Electrical professional engineering design work, all NCC building Classes or size - performance and DTS.	Degree in electrical engineering, accredited to the Washington Accord, that includes approved NCC training, or Degree in electrical engineering, accredited to the Washington Accord, plus approved NCC training.	5 years

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					peer review and signing certificates of compliance.			
		Mechanical Design	1		Mechanical professional engineering design work means engineering work that requires, or is based on, the application of engineering principles and data to a design relating to mechanical engineering for a building other than engineering work that is done only in accordance with a prescriptive standard. Engineering work includes design, checking, peer review and signing certificates of compliance.	Mechanical professional engineering design work, all NCC building Classes or size, performance and DTS.	Degree in mechanical engineering, accredited to the Washington Accord, that includes approved NCC training, or Degree in mechanical engineering, accredited to the Washington Accord, plus approved NCC training.	5 years
		Hydraulic Design	1		Hydraulic professional engineering design work means engineering work that requires, or is based on, the application of engineering principles and data to a design relating to hydraulic engineering for a building other than engineering work that is done only in accordance with a prescriptive standard. Engineering work includes design, checking, peer review and signing certificates of compliance.	Hydraulic professional engineering design work, all NCC building Classes or size - performance and DTS.	Degree in civil, hydraulic or water services engineering, accredited to the Washington Accord that includes approved NCC training, or Degree in civil, hydraulic or water services engineering, accredited to the Washington Accord, plus approved NCC training.	5 years
		Façade Design	1		Façade professional engineering design work means engineering work that requires, or is based on, the application of engineering principles and data to a design relating to façade engineering for a building other than engineering work that is done only in accordance with a prescriptive standard. Engineering work includes design, checking, peer review and signing certificates of compliance.	Façade professional engineering design work, all NCC building Classes or size, - performance and DTS.	Degree in civil, structural or mechanical engineering, accredited to the Washington Accord, that includes approved NCC training plus completion of accredited units in façade engineering, or Degree in civil, structural or mechanical engineering, accredited to the Washington Accord, plus approved NCC training, plus completion of accredited units in façade engineering.	5 years

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		Fire Safety Design	1		Fire safety professional engineering design work means engineering work that requires, or is based on, the application of engineering principles and data to a design relating to fire safety engineering for a building other than engineering work that is done only in accordance with a prescriptive standard. Engineering work includes design, checking, peer review and signing certificates of compliance.	Fire safety professional engineering design work, all NCC building Classes or size - performance and DTS.	Degree in fire safety engineering that includes approved NCC training, accredited to the Washington Accord, or Degree in fire safety engineering accredited to the Washington Accord plus approved NCC training, or Degree in civil, mechanical, chemical or electrical engineering that includes approved training in the application and use of the NCC, accredited to the Washington Accord and post-graduate diploma or masters' degree in fire safety engineering, or Degree in civil, mechanical, chemical or electrical engineering, accredited to the Washington Accord and a post-graduate diploma or masters' degree in fire safety engineering, one of which includes approved NCC training.	5 years
		Plumbing Design	1		Plumbing technical design work means engineering work that requires, or is based on, the application of hydraulic engineering principles and data to a design relating to hydraulic engineering for a building that is done only in accordance with a prescriptive standard. Engineering work includes design, checking, peer review and signing certificates of compliance.	Plumbing technical design work, all NCC building Classes or size - DTS only.	Approved diploma of hydraulic services design that includes NCC training, or Approved diploma of hydraulic services design plus approved NCC training.	3 years
			2			Plumbing technical design work for NCC Class 1 and 10 buildings and Class 2-9 buildings up to six storeys above a storey used for parking vehicles – DTS only.	Approved certificate IV in plumbing and services that includes NCC training, or Approved certificate IV in plumbing and services plus approved NCC training.	3 years
		Fire Systems Design - water-based firefighting and fire suppression	1		Fire systems design work means engineering work that requires, or is based on, the application of engineering principles and data to a design relating to fire systems engineering for a building that is done only in accordance with a prescriptive standard. Engineering work includes design, checking, peer review and signing certificates of compliance.	Fire systems design work for water-based firefighting and fire suppression systems for building complexity levels 0-5 - DTS only.	Degree in fire safety engineering that includes units applicable to this category of work, accredited to the Washington Accord, with approved NCC training, or Degree in civil, hydraulic or water services engineering, accredited to the Washington Accord, approved graduate certificate in performance-based building and fire codes, and approved NCC training.	5 years

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			2		Complexity level means the level set out in Table 2 of the Definition Building Complexity – Exposure Draft on the ABCB website.	Fire systems design work for water-based firefighting and fire suppression systems for building complexity levels 0-2 - DTS only.	Approved diploma of fire services design that includes the relevant units applicable to this category of work, with approved NCC training.	3 years
		Fire Systems Design - fire detection alarm and warning system	1			Fire systems design work for fire detection alarm and warning systems for building complexity levels 0-5 - DTS only.	Degree in fire safety engineering that includes units applicable to this category of work, accredited to the Washington Accord, with approved NCC training, or Degree in electrical engineering, accredited to the Washington Accord, approved graduate certificate in performance-based building and fire codes, and approved NCC training.	5 years
			2			Fire systems design work for fire detection alarm and warning systems for building complexity levels 0-2 - DTS only.	Approved diploma of fire services design that includes the relevant units applicable to this category of work, with approved NCC training.	3 years
		Fire Systems Design - fire and smoke control systems	1			Fire systems design work for fire and smoke control systems for building complexity levels 0-5 - DTS only.	Degree in fire safety engineering that includes units applicable to this category of work, accredited to the Washington Accord, with approved NCC training, or Degree in mechanical engineering, accredited to the Washington Accord, approved graduate certificate in performance-based building and fire codes, and approved NCC training.	5 years
			2			Fire systems design work for fire and smoke control systems for building complexity levels 0-2 - DTS only.	Approved diploma of fire services design that includes the relevant units applicable to this category of work, with approved NCC training.	3 years
		Fire Systems Design - emergency and exit lighting systems	1			Fire systems design work for emergency and exit lighting systems for building complexity levels 0-5 - DTS only.	Degree in fire safety engineering that includes units applicable to this category of work, accredited to the Washington Accord, with approved NCC training, or Degree in electrical engineering, accredited to the Washington Accord, approved graduate certificate in performance-based building and fire codes, and approved NCC training.	5 years

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			2			Fire systems design work for emergency and exit lighting systems for building complexity levels 0-2 - DTS only.	Approved diploma of fire services design that includes the relevant units applicable to this category of work, with approved NCC training.	3 years
		Fire Systems Design - passive fire and smoke systems	2			Fire systems design work for passive fire and smoke systems for building complexity levels 0-5 - DTS only.	Approved diploma of fire services design that includes the relevant units applicable to this category of work, with approved NCC training.	3 years
		Fire Systems Design - special hazard systems	2			Fire systems design work for special hazard systems for building complexity levels 0-5 - DTS only.	Approved diploma of fire services design that includes the relevant units applicable to this category of work, with approved NCC training.	3 years
		Building	1		Builder work is the acquisition, coordination and deployment of people, equipment and materials to the construction of a new building or alteration to an existing building where the building is required to meet the requirements of the NCC.	Building work for NCC Class 2 to 9 buildings of any size.	Approved advanced diploma in building and construction that includes NCC training, or Approved advanced diploma in building and construction plus approved NCC training.	3 years
			2		Builder work includes inspecting the fabrication, construction and testing of any part of a building and signing a certificate that states the building construction work complies with the NCC.	Building work for NCC Class 2 to 9 buildings up to 3 storeys in height and 2000m ² in area.	Approved diploma in building and construction that includes NCC training, or Approved diploma in building and construction plus approved NCC training.	3 years
			3			Building work for NCC Class 1 and 10 buildings of any size.	Approved certificate IV in building and construction that includes NCC training, or Approved certificate IV in building and construction plus approved NCC training.	3 years
		Fire Systems Installation-fire sprinkler installer	1		Fire systems installation work means the construction, installation, replacement, repair, alteration, routine servicing, maintenance, testing or commissioning of any part of a system used for fire fighting or fire detection.	Fire systems installation work on a fire sprinkler system.	Approved certificate III in Fire Protection that includes NCC training, or Approved certificate III in Fire Protection plus approved NCC training.	3 years
		Fire Systems Installation-fire hydrant and hose reel installer	1			Fire systems installation work on a fire hydrant or hose reel system.	Approved certificate III in Fire Protection that includes NCC training, or Approved certificate III in Fire Protection plus approved NCC training, or	3 years
Construction								

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							Approved Certificate III in Plumbing plus fire systems specific units and approved NCC training, or Approved Certificate III in Plumbing plus fire systems specific units that includes NCC training.	
		Fire Systems Installation- fire detection and alarm systems installer	1			Fire systems installation work on a fire detection and alarm system.	Approved certificate II in installation of security equipment and systems that includes NCC training, or Approved certificate II in installation of security equipment plus approved NCC training, or Approved certificate III in Fire Protection Control that includes NCC training, or Approved certificate III in Fire Protection Control plus approved NCC training, or Approved certificate III in Electrotechnology Electrician plus fire systems specific units that includes NCC training, or Approved certificate III in Electrotechnology Electrician plus fire systems specific units, and approved NCC training.	3 years
		Fire Systems Installation- emergency and exit lighting systems installer	1			Fire systems installation work on an emergency and exit lighting system.	Approved certificate III in Electrotechnology Electrician plus fire systems specific units that includes NCC training, or Approved certificate III in Electrotechnology Electrician plus fire systems specific units and approved NCC training.	3 years
		Fire Systems Installation- passive fire and smoke systems installer	1			Fire systems installation work on a passive fire and smoke system and a building fire integrity system.	Approved certificate III in Wall and Ceiling Lining or equivalent with applicable skill set or short course in passive fire systems plus approved NCC training, or Approved certificate III in Wall and Ceiling Lining or equivalent with applicable skill set or short course in passive fire systems that includes NCC training; or Approved Certificate IV in Building and Construction or equivalent with	3 years

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Building Approval	Compliance	Plumbing-water services	1		Water services installation work means the construction, installation, replacement, repair, alteration, routine servicing, maintenance, testing or commissioning of any part of a system used for the supply of water or the harvesting of rainwater within or associated with a building, but does not include fire sprinkler installation (other than domestic sprinkler systems) or fire hydrant and hose reel installation.	Water services installation work.	applicable skill set or short course in passive fire systems plus approved NCC training, or Approved Certificate IV in Building and Construction or equivalent with applicable skill set or short course in passive fire systems that includes NCC training.	5 years
			2			Water services installation work under supervision of a water services plumber level 1.	Approved certificate III in water services plumbing that includes NCC training, or Approved certificate III in water services plumbing plus approved NCC training.	3 years
		Plumbing-sanitary and drainage	1		Sanitary plumbing and drainage installation work means the construction, installation, replacement, repair, alteration, routine servicing, maintenance, testing or commissioning of any part of a system used for washing or toilet purposes and the drainage of grey and blackwater within or associated with a building.	Sanitary plumbing and drainage installation work.	Approved certificate IV in sanitary plumbing and drainage that includes NCC training, or Approved certificate IV in sanitary plumbing and drainage plus approved NCC training.	5 years
			2			Sanitary plumbing and drainage installation work under supervision of a sanitary plumbing and drainage plumber level 1.	Approved certificate III in sanitary plumbing and drainage that includes NCC training, or Approved certificate III in sanitary plumbing and drainage plus approved NCC training.	3 years
		Building Surveying	1		Statutory building surveying assessment work means forming an opinion or giving a certificate that a building meets the requirements of the NCC and other relevant state or territory legislation, where building approval legislation requires a registered building surveyor to form an opinion or give a certificate as a condition of granting a building approval. Statutory building surveying assessment work includes checking, verifying and peer-reviewing building proposals and inspecting and testing installation and construction work.	Statutory building surveying assessment work and statutory building surveying approval work for all NCC building Classes or size.	Approved degree in building surveying that includes NCC training, or Approved degree in building surveying plus approved NCC training.	3 years
			2			Statutory building surveying assessment work and statutory building surveying approval work for NCC Class 1 and 10 buildings of any size, and Class 2 to 9 buildings up to 3 storeys in height and 2,000m ² in area.	Approved advanced diploma in building surveying that includes NCC training, or Approved advanced diploma in building surveying plus approved NCC training.	2 years

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					Statutory building surveying approval work means authorising construction or occupation of a building under building approval legislation which requires or allows a registered building surveyor to authorise construction or occupation.			
		Fire Systems Inspection – water based firefighting and fire suppression system	1		Fire systems inspection work means inspecting, testing and performing the independent certification of the construction, installation, replacement, repair, alteration, routine servicing and maintenance of any part of a system used for fire fighting or fire detection.	Fire systems inspection work for water-based firefighting and fire suppression systems.	Approved diploma of fire systems design that includes the relevant units applicable to the type of work, or Approved diploma of fire systems certification (needs to be developed) that includes NCC training or Approved certificate IV of fire systems compliance for replacement, repair, alteration, routine servicing and maintenance of any part of a system that includes NCC training.	3 years
		Fire Systems Inspection - fire detection, alarm and warning system	1			Fire systems inspection work for fire detection, alarm and warning systems.	Approved diploma of fire systems design that includes the relevant units applicable to the type of work, or Approved diploma of fire systems certification (needs to be developed) that includes NCC training or Approved certificate IV of fire systems compliance for replacement, repair, alteration, routine servicing and maintenance of any part of a system that includes NCC training.	3 years
		Fire Systems Inspection - fire and smoke control system	1			Fire systems inspection work for fire and smoke control systems.	Approved diploma of fire systems design that includes the relevant units applicable to the type of work, or Approved diploma of fire systems certification (needs to be developed) that includes NCC training.	3 years
		Fire Systems Inspection - passive fire and smoke system	1			Fire systems inspection work for passive fire and smoke systems.	Approved diploma of fire systems design that includes the relevant units applicable to the type of work, or Approved diploma of fire systems certification (needs to be developed) that includes NCC training.	3 years

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		Fire Systems Inspection - emergency and exit lighting system	1			Fire systems inspection work for emergency and exit lighting systems.	Approved diploma of fire systems design that includes the relevant units applicable to the type of work, or Approved diploma of fire systems certification (needs to be developed) that includes NCC training or Approved certificate IV of fire systems compliance for replacement, repair, alteration, routine servicing and maintenance of any part of a system that includes NCC training.	3 years
		Fire Systems Inspection - special hazard system	1			Fire systems inspection work for special hazard systems.	Approved diploma of fire systems design that includes the relevant units applicable to the type of work, or Approved diploma of fire systems certification (needs to be developed) that includes NCC training or Approved certificate IV of fire systems compliance for replacement, repair, alteration, routine servicing and maintenance of any part of a system that includes NCC training.	3 years
		Project Management	1		Project management work is planning, organising, directing, controlling and coordinating design or construction of a new building or alteration to an existing building where the building is required to meet the requirements of the NCC, and the physical and human resources involved in the construction process.	Project management work for NCC Class 2 to 9 buildings of any size.	Approved degree or advanced diploma in building and construction management that includes NCC training, or Approved degree or advanced diploma in building and construction management plus approved NCC training.	3 years
Coordination	Project coordination		2			Project management work for NCC Class 2 to 9 buildings up to 3 storeys in height and 2000m ² in area.	Approved diploma in building and construction management that includes NCC training, or Approved diploma in building and construction management plus approved NCC training.	3 years