

Student Name

22479VIC Advanced Diploma of Engineering Technology (Civil Engineering Design)

This is a statement that Student Name has attained the following competency(s) / module(s)

Year	Unit Code	Description
2019	CPCCBBC4004A	Identify and produce estimated costs for building and construction projects
	MEM16006A	Organise and communicate information
	MEM22002A	Manage self in the engineering environment
	MEM22013A	Coordinate engineering projects
	MEM23004A	Apply technical mathematics
	MEM23007A	Apply calculus to engineering tasks
	MEM23109A	Apply engineering mechanics principles
	MEM30007A	Select common engineering materials
	MEM30012A	Apply mathematical techniques in a manufacturing engineering or related environment
	MEM30031A	Operate computer-aided design (CAD) system to produce basic drawing elements
	MEM30033A	Use computer-aided design (CAD) to create and display 3-D models
	MSMENV272	Participate in environmentally sustainable work practices
	VU22484	Implement site investigation procedures
	VU22485	Apply construction principles to civil engineering works
	VU22487	Apply surveying for civil engineering projects
	VU22489	Produce reinforced concrete drawings
	VU22490	Produce structural steel drawings
	VU22493	Produce drawings to enable urban road construction
	VU22542	Use advanced 2D & 3D computer aided drafting (CAD) techniques
	VU22545	Apply environmental solutions to civil engineering projects
	VU22547	Produce an engineering design for drainage pipes and culverts
	VU22550	Produce an engineering design for a reinforced concrete structure
	VU22558	Analyse and design foundations and footings
2024	MEM16008A	Interact with computing technology
	MEM22001A	Perform engineering activities
	VU22451	Investigate advanced technology applications in the manufacturing industry and related industries
	VU22546	Apply principles of mechanics to engineering structures
	VU22561	Analyse the strength of civil structural elements
	VU22562	Apply principles of soil mechanics to civil engineering
2025	VU22452	Use communication network concepts and practices in manufacturing and engineering applications

Student Name**22479VIC Advanced Diploma of Engineering Technology (Civil Engineering Design)**

This is a statement that Student Name has attained the following competency(s) / module(s)

Year	Unit Code	Description
	VU22479	Apply fluid mechanic principles in mechanical engineering
	VU22543	Produce an advanced engineering design for a reinforced concrete structure
	VU22549	Produce an engineering design for a sewerage reticulation scheme
	VU22551	Produce an engineering design for a steel structure
	VU22560	Produce geometric designs for roads