

RII30815 Civil Construction Plant Operations &

RII30919 Civil Construction

Signature Learning and Development offer 4 options in Cert III Civil Construction. They are:

- **Plant Operations**
- **Road construction and maintenance**
- **Bituminous Surfacing**
- **Pipe laying**
- **Civil- General**

Please refer to the relevant course outlines for more detail.

Location:

- We currently deliver NSW wide however interstate delivery will be negotiated on a case by case basis

Entry Requirements:

- There are no prerequisites for this course
- Students must have access to actual civil construction work environment and relevant plant and equipment to gain experience and complete this qualification satisfactorily
- This course cannot be completed in a simulated classroom environment

Duration:

- Up to 3 years as an apprentice or existing employee
- Given access to the right resources and in consideration of previous experience, this qualification may be completed on the job in as little as 12 months
- Generally, a full-time employee working regularly in a civil construction environment may be able to accelerate through this course

Cost:

- This qualification is fully funded to eligible participants under Smart and Skilled Funding in NSW
- Fee for service arrangements may be negotiated on a case by case basis. Final pricing is based on numbers, equipment availability and location.

Support:

- Students will have access to extra support if a physical or learning disability may impede their ability to complete this course in its usual form of delivery. This will be determined on a case by case basis following enrolment

Delivery:

- This course consists of 25 units of competency That require a theoretical component (distance learning, online learning or face to face workshops) and a practical component to be conducted in the participants workplace / civil construction environment

RPL:

- Recognition of Prior Learning is available on request for this course. This is assessed on a case by case basis

Course Outlines

Plant Operations

Total of 19 units

Nationally recognised plant operator competencies / tickets

This qualification reflects the role of a skilled Plant operator in civil construction, who applies a broad range of skills in a varied work context involving

Heavy Plant, earthmoving and construction / clearing / demolition

Locked Units

RIIBEF201D	Plan and organise work
RIICOM201D	Communicate in the workplace
RIIWHS201D	Work safely and follow WHS policies and procedures
RIICCM203D	Read and interpret plans and job specifications
RIICCM201D	Carry out measurements and calculations
RIISAM203D	Use hand and power tools
RIISAM204D	Operate small plant and equipment
RIISAM201D	Handle resources and infrastructure materials and safely dispose of nontoxic materials
RIIWMG203D	Drain and dewater civil construction site
RIICCM208D	Carry out basic levelling
RIICCM202D	Identify, locate and protect underground services
RIICCM205E	Carry out manual excavation
RIICCM206D	Support plant operations
RIICCM207D	Spread and compact materials manually
RIIHAN308F	Load unload Plant (Nationally recognised Ticket)

Electives – Choose 2 from Group A and a further 2 from group A,B or C for a total of 4 electives

Group A

RIIMPO318E	Conduct civil construction skid steer loader operations (Nationally recognised Ticket)
RIIMPO319D	Conduct backhoe/loader operations (Nationally recognised Ticket)
RIIMPO320E	Conduct civil construction excavator operations (Nationally recognised Ticket)
RIIMPO321E	Conduct civil construction wheeled front end loader operations (Nationally recognised Ticket)
RIIMPO323D	Conduct civil construction dozer operations (Nationally recognised Ticket)
RIIMPO322E	Conduct civil construction tracked front end loader operations (Nationally recognised Ticket)
RIIMPO324F	Conduct civil construction grader operations (Nationally recognised Ticket)

Group B and C

RIIMPO317F	Conduct Roller Operations (Nationally recognised Ticket)
RIIMPO315E	Conduct Tractor Operations (Nationally recognised Ticket)
RIIMPO316E	Conduct self propelled Compactor Operations (Nationally recognised Ticket)
RIIMPO326E	Conduct Civil Construction Watercart Operations (Nationally recognised Ticket)
RIIVEH304D	Conduct Tip Truck Operations (Nationally recognised Ticket)
RIIMPO337E	Conduct articulated Haul Truck Operations (Nationally recognised Ticket)
RIICRC208D	Lay pipes
RIICCM209D	Carry out concrete work
RIIRIS201D	Conduct Local Risk Control
RIICRC306D	Conduct earthworks

Road construction and maintenance

Total of 25 Units

This qualification reflects the role of a skilled frontline worker in civil construction, who applies a broad range of skills in a varied work context involving

Construction and maintenance of roads and associated infrastructure.

Locked Units

RIIBEF201D	Plan and organise work
RIICOM201D	Communicate in the workplace
RIIWHS201D	Work safely and follow WHS policies and procedures
RIICCM203D	Read and interpret plans and job specifications
RIICCM201D	Carry out measurements and calculations
RIISAM203D	Use hand and power tools
RIISAM204D	Operate small plant and equipment
RIISAM201D	Handle resources and infrastructure materials and safely dispose of nontoxic materials
RIIWMG203D	Drain and dewater civil construction site
RIIWHS302D	Implement traffic management plan
RIICCM208D	Carry out basic levelling
RIICCM202D	Identify, locate and protect underground services
RIICCM205E	Carry out manual excavation
RIICCM206D	Support plant operations
RIICCM207D	Spread and compact materials manually
RIICRC201D	Repair potholes
RIICRC306D	Conduct earthworks
RIICRC307D	Conduct road pavement construction
RIICRC301D	Maintain drainage systems
RIICRC304D	Maintain sealed roads
RIICCM211D	Erect and dismantle temporary fencing and gates
RIIIMG301D	Maintain site records
RIIRIS201D	Conduct Local Risk Control

Electives – Choose 2

RIICBS310D	Conduct patching operations
RIIMPO317F	Conduct Roller Operations (Nationally recognised Ticket)
RIICCM301D	Construct and dismantle fences and gates
RIIHAN308F	Load unload Plant (Nationally recognised Ticket)
RIICRC208D	Lay pipes
RIICRC204D	Install and Maintain roadside fixtures
RIIRIS301D	Apply risk management procedures
RIICCM209D	Carry out concrete work

Bituminous surfacing-

Total of 25 Units

This qualification reflects the role of a skilled frontline worker in civil construction, who applies a broad range of skills in a varied work context involving the

Preparation, surfacing, finishing and general operations surrounding road pavements (Asphalt and Spray seal)

Locked Units

RIIBEF201D	Plan and organise work
RIICOM201D	Communicate in the workplace
RIIWHS201D	Work safely and follow WHS policies and procedures
RIICCM203D	Read and interpret plans and job specifications
RIICCM201D	Carry out measurements and calculations
RIISAM203D	Use hand and power tools
RIISAM204D	Operate small plant and equipment
RIICCM205E	Carry out manual excavation
RIIMG301D	Maintain site records
RIISAM201D	Handle resources and infrastructure materials and safely dispose of nontoxic materials
RIIWHS302D	Implement traffic management plan
RIICBS203E	Safely handle bituminous materials
RIICBS402E	Supervise the application of bituminous sprayed treatments
RIICBS307E	Conduct Bitumen Sprayer Operations
RIICCM207D	Spread and compact materials manually
RIICBS202E	Hand Spread Asphalt
RIIHAN308F	Load unload Plant (Nationally recognised Ticket)
RIICCM206D	Support plant operations
RIIRIS201D	Conduct Local Risk Control
RIICCM208D	Carry out basic levelling
RIICCM202D	Identify, locate and protect underground services
RIIRIS301D	Apply risk management procedures

Electives – Choose 3

RIICRC201D	Repair potholes
RIICRC304D	Maintain sealed roads
RIICCM211D	Erect and Dismantle fences and gates
RIICBS310D	Conduct patching operations
RIIMPO334E	Conduct skid steer loader operations using attachments (Nationally recognised Ticket)
RIIMPO318E	Conduct civil construction skid steer loader operations (Nationally recognised Ticket)
RIIMPO317F	Conduct Roller Operations (Nationally recognised Ticket)
RIIMPO315E	Conduct Tractor Operations (Nationally recognised Ticket)
RIIMPO321E	Conduct civil construction wheeled front end loader operations (Nationally recognised Ticket)

Pipe Laying

Total of 25 Units

This qualification reflects the role of a skilled frontline worker in civil construction, who applies a broad range of skills in a varied work context involving the

**Preparation, excavation, joining, backfilling and finishing of sub terranean piped systems
(stormwater, sewer, mains)**

Locked Units

RIIBEF201D	Plan and organise work
RIICOM201D	Communicate in the workplace
RIIWS201D	Work safely and follow WHS policies and procedures
RIICCM203D	Read and interpret plans and job specifications
RIICCM201D	Carry out measurements and calculations
RIISAM203D	Use hand and power tools
RIISAM204D	Operate small plant and equipment
RIICCM205E	Carry out manual excavation
RIIWMG203D	Drain and dewater civil construction site
RIICCM206D	Support plant operations
RIICCM208D	Carry out basic levelling
RIICCM202D	Identify, locate and protect underground services
RIICCM207D	Spread and compact materials manually
RIICCM210D	Install Trench support
RIICRC208D	Lay pipes
RIISAM201D	Handle resources and infrastructure materials and safely dispose of nontoxic materials
RIIWS302D	Implement traffic management plan
RIICPL302D	Install Stormwater systems
RIICRC301D	Maintain drainage systems
RIIMG301D	Maintain site records
RIICCM211D	Erect and dismantle temporary fencing and gates
RIIRIS201D	Conduct Local Risk Control
RIIRIS301D	Apply risk management procedures
Electives – Choose 2	
RIICRC306D	Conduct earthworks
RIICCM209D	Carry out concrete work
RIIMPO318E	Conduct civil construction skid steer loader operations (Nationally recognised Ticket)
RIIMPO321E	Conduct civil construction front end loader operations (Nationally recognised Ticket)
RIIHAN308F	Load unload Plant (Nationally recognised Ticket)
RIIMPO320E	Conduct civil construction excavator operations (Nationally recognised Ticket)
RIIMPO319D	Conduct backhoe/loader operations (Nationally recognised Ticket)

Civil General

Total of 25 Units

This qualification reflects the role of a skilled frontline worker in civil construction, who applies a broad range of skills in a varied work context. This qualification suits an

All-rounder who works across multiple areas of civil construction

Locked Units

RIIBEF201D	Plan and organise work
RIICOM201D	Communicate in the workplace
RIIWHS201D	Work safely and follow WHS policies and procedures
RIICCM203D	Read and interpret plans and job specifications
RIICCM201D	Carry out measurements and calculations
RIISAM203D	Use hand and power tools
RIISAM204D	Operate small plant and equipment
RIICRC306D	Conduct earthworks
RIIMG301D	Maintain site records
RIICRC307D	Conduct road pavement construction
RIICRC301D	Maintain drainage systems
RIIWHS302D	Implement traffic management plan
RIIWMG301D	Control construction site water table
RIIMPO318E	Conduct civil construction skid steer loader operations (Nationally recognised Ticket)
RIICRC304D	Maintain sealed roads
RIIHAN308F	Load unload Plant (Nationally recognised Ticket)
RIICBS310D	Conduct patching operations
RIICCM205E	Carry out manual excavation
RIIWMG203D	Drain and dewater civil construction site
RIICCM206D	Support plant operations
RIICCM208D	Carry out basic levelling
RIICCM202D	Identify, locate and protect underground services
RIICCM207D	Spread and compact materials manually
RIIRIS201D	Conduct Local Risk Control
Elective- Choose 1	
RIIRIS301D	Apply risk management procedures
RIISAM201D	Handle resources and infrastructure materials and safely dispose of nontoxic materials
RIICCM209D	Carry out concrete work
RIICCM211D	Erect and dismantle temporary fencing and gates