



Australian Government

RII60520 Advanced Diploma of Civil Construction Design

Release: 2

RII60520 Advanced Diploma of Civil Construction Design

Modification History

Release	Comments
Release 2	This version was released with RII Resources and Infrastructure Training Package version 7.0. Version created to fix typographical and/or unit grid errors.
Release 1	This version first released with RII Resources and Infrastructure Industry Training Package Version 6.0.

Qualification Description

This qualification reflects the role of an individual working as a senior civil works designer or a para-professional designer, who supports professional engineers. They perform tasks that are broad, specialised, complex and technical and include strategic areas and initiating activities. They are responsible for the design of complex projects to ensure the implementation of the client's site requirements and are required to demonstrate self-directed application of theoretical and technical knowledge and initiate solutions to technical problems or management requirements.

Licensing, legislative, regulatory or certification considerations

Licensing, legislative, regulatory and certification requirements that apply to this qualification can vary between states, territories and industry sectors. Users must check requirements with relevant body before applying the qualification.

Entry Requirements

Nil

Packaging Rules

The following provides the packaging rules for this qualification, followed by the list of relevant units of competency.

Total number of units = 12

5 core units plus

7 elective units, of which

- at least two (2) must be chosen from Group A
- at least three (3) must be chosen from Group B

- no more than two (2) units from elsewhere within this training package, or from another endorsed training package, or from an accredited course.

All elective units selected from outside this qualification must reflect current occupational and learning outcomes of this AQF qualification level.

There are no prerequisites to imported units listed in this qualification. Where a unit is imported as an elective care must be taken to ensure that all prerequisites specified are complied with.

Core units of competency	
<i>Unit code</i>	<i>Unit title</i>
BSBPMG632	Manage program risk
BSBTWK502	Manage team effectiveness
BSBWHS616	Apply safe design principles to control WHS risks
RIICWD601E	Manage civil works design processes
RIIQUA601E	Establish and maintain a quality system
Electives	
Group A	
<i>Unit code</i>	<i>Unit title</i>
BSBESB406	Establish operational strategies and procedures for new business ventures
BSBOPS601	Develop and implement business plans
BSBPMG530	Manage project scope
BSBPMG531	Manage project time
BSBPMG532	Manage project quality
BSBPMG533	Manage project cost
BSBPMG534	Manage project human resources
BSBPMG535	Manage project information and communication
BSBPMG537	Manage project procurement
BSBPMG540	Manage project integration
BSBSTR601	Manage innovation and continuous improvement
RIIBEF601E	Conduct business negotiations
RIIBEF604E	Conduct a feasibility study
Group B	
<i>Unit code</i>	<i>Unit title</i>

RIICWD507D	Prepare detailed geotechnical design
RIICWD509E	Prepare detailed design of urban roads
RIICWD510E	Prepare detailed design of busways
RIICWD512E	Prepare detailed design of motorways and interchanges
RIICWD520E	Prepare detailed design of rigid pavements
RIICWD526E	Prepare detailed traffic analysis
RIICWD528E	Prepare detailed design of traffic management systems
RIICWD532E	Prepare detailed design of tunnels
RIICWD533E	Prepare detailed design of civil concrete structures
RIICWD534E	Prepare detailed design of civil steel structures
RIICWD535E	Prepare detailed design of civil timber structures
RIICWD536E	Prepare detailed design of civil masonry, crib and gabion structures
RIILAT402E	Provide leadership in the supervision of diverse work teams

Qualification Mapping Information

Supersedes and is equivalent to RII60515 Advanced Diploma of Civil Construction Design.

Links

Companion Volume Implementation Guide is found on VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>