



Australian Government

RII60513 Advanced Diploma of Civil Construction Design

Release 2

RII60513 Advanced Diploma of Civil Construction Design

Modification History

Release	Comments
1	Replaces RII60509 Advanced Diploma of Civil Construction Design.
2	Corrected modification history.

Qualification Description

This qualification reflects the role of senior civil works designers or para-professional designers who support 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.

No licensing, legislative or certification requirements apply to this qualification at the time of publication.

Entry Requirements

There are no entry requirements for this qualification.

Packaging Rules

Requirements for completion of the qualification

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

Successful completion of twelve (12) units made up of:

- five (5) core units, and
- seven (7) elective units of which:
 - at least four (4) must be chosen from group A
 - at least one (1) must be chosen from group B
 - up to two (2) units from Diploma or Advanced Diploma level may come from this or any other Training Package or accredited course

Units chosen must be relevant to the job function.

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.

Note: The units chosen to satisfy the Advanced Diploma of Civil Construction Design **must be additional** to the units achieved to satisfy the Diploma in Civil Construction Design.

Core units of competency	
<i>Unit code</i>	<i>Unit title</i>
BSBWHS609A	Advise on application of safe design principles to control OHS risk
BSBPMG608A	Direct risk management of a project program
BSBWOR502B	Ensure team effectiveness
RIICWD601D	Manage the civil works design process
RIIQUA601D	Establish and maintain a quality system
Electives	
Group A	
<i>Unit code</i>	<i>Unit title</i>
BSBMGT608B	Manage innovation and continuous improvement
BSBMGT617A	Develop and implement a business plan
BSBPMG601A	Direct the integration of projects
BSBPMG602A	Direct the scope of a project program
BSBPMG603A	Direct time management of a project program
BSBPMG604A	Direct cost management of a project program
BSBPMG605A	Direct quality management of a project program

BSBPMG606A	Direct human resource management of a project program
BSBPMG607A	Direct communications management of a project program
BSBPMG609A	Direct procurement and contracting for a project program
BSBSMB405B	Monitor and manage small business operations
RIIBEF601D	Conduct business negotiations
RIIBEF604D	Conduct feasibility study
Group B	
<i>Unit code</i>	<i>Unit title</i>
RIICWD507D	Prepare detailed geotechnical design
RIICWD509D	Prepare detailed design of urban roads
RIICWD510D	Prepare detailed design of busways
RIICWD512D	Prepare detailed design of motorways and interchanges
RIICWD520D	Prepare detailed design of rigid pavements
RIICWD526D	Prepare detailed traffic analysis
RIICWD528D	Prepare detailed design of traffic management systems
RIICWD532D	Prepare detailed design of tunnels
RIICWD533D	Prepare detailed design of civil concrete structures
RIICWD534D	Prepare detailed design of civil steel structures
RIICWD535D	Prepare detailed design of civil timber structures
RIICWD536D	Prepare detailed design of civil masonry, crib and gabion structures

Qualification Mapping Information

RII60509 Advanced Diploma of Civil Construction Design

Links

SkillsDMC RII Companion Volumes - <http://www.skillsdmc.com.au/>