# RII50520 Diploma of Civil Construction Design

## COURSE BROCHURE FOR INTERNATIONAL STUDENTS

### ABOUT THE COURSE

This qualification is the gateway to building your career in civil construction design. Civil construction is one of Australia's most vital and steadily growing industries, with strong demand for skilled designers and project specialists to support major infrastructure and development projects.

This qualification reflects the role of individuals working as designers or design paraprofessionals who support professional engineers. They perform tasks involving a high level of autonomy and requiring the application of significant judgement in planning and determining the selection of equipment/roles/techniques for themselves and others. They are required to develop site specific work designs to ensure the implementation of the client's site requirements. They demonstrate the application of a broad range of technical, managerial, coordination and planning skills.

Licensing, legislative and certification requirements that apply to this qualification can vary between states, territories, and industry sectors. A learner must check requirements with relevant body before applying the qualification. This qualification will only fulfil the academic requirements and it's not a licensed trade qualification.

### COURSE DETAILS

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| **Qualification code** | RII50520 |
| **Qualification title** | Diploma of Civil Construction Design |
| **CRICOS course code** | 118411A |
| **Training package** | RII – Resources and Infrastructure Industry |
| **Course duration** | 1 year / 52 Weeks (40 study weeks and 12 holiday weeks) |
| **Classroom location:** | City campus: Suite 1, Level 5 / 545 Kent Street, Sydney, NSW 2000 |
| **Qualification completion requirements** | Successful completion of twenty (20) elective units is required for the award of RII50520 Diploma of Civil Construction Design qualification.<br>Units have been selected in accordance with the packaging rules and are relevant to the work outcome, local industry requirements and qualification level.<br>Furthermore, the selection and delivery sequence of all units in this course align with the Engineers Australia recommended study plan. |

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<tr><td>Entry requirements</td><td>There are no training package entry requirements.<br>AIA has the following entry requirements for international students who would like to enrol into this course:<br>A learner must:<br>▪ Be at least 18 years of age.<br>▪ Have completed at least the equivalent of year 12 education.<br>▪ Participate in a course entry interview to determine suitability for the course and student needs.<br>▪ Participate in an LLND (Language, Literacy, Numeracy and Digital skills) assessment*, if applicable, to determine and demonstrate their readiness and learning capacity to undertake their desired course.<br>▪ Applicants must demonstrate one of the approved forms of English proficiency. For Student visa (Subclass 500) requirements, the Australian Government increased the minimum English-language threshold to an overall IELTS score of 6.0, with no band below 5.5, and results must be from a test taken within the past one (1) year.<br>English language competence may also be satisfied through documented evidence of any of the following:<br>• The applicant has completed at least five (5) years of education in an English-speaking country. (Accepted as proof of English competency across visa categories.)<br>• The applicant has undertaken a minimum of six (6) months of study at AQF Level 4 or above in an Australian Registered Training Organisation (RTO) within the last two (2) years. (Consistent with pathways accepted as alternate evidence of English ability across the Australian immigration framework.)<br>• the student has successfully completed an English Placement Test at AIA.<br>* For detail about LLN requirements and assessment process, please refer to the ‘LLN (Language, Literacy and Numeracy) Requirements’ section below.<br>▪ ** Note that other English language tests such as PTE and TOEFL can be accepted. In that case, students are required to provide their results so that it can be confirmed they are equivalent to minimum IELTS score of 6.0 or higher.</td></tr>
<tr><td>Delivery mode</td><td>This program is delivered in the classroom through face-to-face supervised training and assessment activities.</td></tr>
<tr><td>Unit of Competency</td><td><table>
<tr><th>Units</th><th>Type</th></tr>
<tr><td>BSBINS501 Implement information and knowledge management systems</td><td>Elective - Group A</td></tr>
<tr><td>BSBOPS505 Manage organisational customer service</td><td>Elective - Group A</td></tr>
<tr><td>BSBPEF501 Manage personal and professional development</td><td>Elective - Group A</td></tr>
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| | MEM30031 Operate computer-aided design (CAD) system to produce basic drawing elements | Elective - Group B |
| | MEM30033* Use computer-aided design (CAD) to create and display 3-D models | Elective - Group B |
| | RIICWD501E Prepare detailed design of foundations | Elective - Group C |
| | RIICWD530E Prepare detailed design of surface drainage | Elective - Group C |
| | RIICWD508E Prepare detailed design of rural roads | Elective - Group C |
| | RIICWD536E Prepare detailed design of civil masonry, crib and gabion structures | Elective - Group C |
| | RIICWD511E Prepare detailed design of sub-divisions | Elective - Group C |
| | MEM23004 Apply technical mathematics | Elective - Group D |
| | MEM30012 Apply mathematical techniques in a manufacturing engineering or related environment | Elective - Group D |
| | MEM30005* Calculate force systems within simple beam structures | Elective - Group D |
| | MEM30006* Calculate stresses in simple structures | Elective - Group D |
| | RIICRC404E Inspect and report on pavement condition | Elective - Group D |
| | RIILAT402E Provide leadership in the supervision of diverse work teams | Elective - Group D |
| | RIIMPO402D Apply the principles of earthworks construction | Elective - Group D |
| | MEM23109 Apply engineering mechanics principles | Elective - Imported |
| | CPPBDN6106 Produce building information modelling for building design projects | Elective - Imported |
| | CPPCOM4001 Manage own work, professional development and ethical behaviour | Elective – Imported |
| **Educational pathways and potential career outcomes** | This qualification provides potential employment opportunities in roles such as Civil Engineering Construction Supervisor, Civil Engineering Draftsperson, Civil Engineering Design Draftsperson, Civil Engineering Technician, and Senior Civil Works Designer.<br>Further study pathways include VET courses such as RII60520 Advanced Diploma of Civil Construction Design.<br>Students may pursue higher studies in a similar field after completion of this qualification, such as a bachelor's degree in universities or other higher education providers. | |

## WHO IS RESPONSIBLE FOR YOUR TRAINING?

Australasian International Academy is responsible under the National Vocational Education and Training Regulator Act 2011 for the quality of the training and assessment being delivered in this course and for the issuance of all AQF (Australian Qualifications Framework) certificates.

## WHY STUDY WITH AUSTRALASIAN INTERNATIONAL ACADEMY (AIA)?

At AIA, you receive an education that offers 'real world' experience backed by strong links with industry, so you graduate with the practical skills employers seek and the skills and confidence you need to reach your career goals. You will receive high-quality education and support from our highly qualified and experienced trainers; they are industry professionals with many years of experience in their respective fields. AIA has developed the most relevant, innovative and effective ways for students to maximise their success in learning.

**Set yourself in motion now! Enrol today!!**

**Accelerate your career when you enrol with Australasian International Academy.**

**For course fees and other costs, please refer to our website, call us or write to us.**

Phone: +61 02 8077 3412 (international), 1300 242 669 (within Australia)

Email: enrolment@aiacademy.edu.au

Website: www.aiacademy.edu.au