



Training Program: Skills Development Scheme

Institute of Construction Materials

Program Overview:

The training program aims to equip participants with essential skills and knowledge in cutting edge technologies for the purpose of service in the Australian construction industry. The program will be a blend of theoretical knowledge, practical hands-on training, and real-world applications.

Program Duration:

36 months (1 year offshore + 2 years onshore in Australia)

Occupational training to improve skills in an eligible occupation

This program is designed to help candidates improve their skills in at least one of the following eligible occupations:

- Research and Development Manager (ANZSCO 132511) or,
- Engineering Technologist (ANZSCO 233914).

Training Modules:

Each trainee will be provided with an specific program tailored to their passion and the current level of skill. Trainee's current level of skill is assessed based on the CV provided upon submitting the application. All theoretical modules are available from our website: <https://iconsmat.com.au/courses>

The general training module is as followed:

1. Introduction to Construction Industry (Beginner)

- Overview of the construction industry
- Importance of construction safety and regulations

2. Civil Engineering Fundamentals (Intermediate)

- Introduction to civil engineering concepts
- Fundamentals of Electronics
- Construction technologies

3. Research and development (Advanced)

- Practicing research projects relevant to the field of construction
- Authoring high quality journal papers
- Communicating research outcomes with the industry

Training Methodology:

- **Online Lectures:** Theory sessions conducted by experienced instructors.
- **Hands-on Workshops:** Practical training sessions for each skill area.
- **Site Visits:** Visits to construction sites for real-world exposure and understanding.
- **Group Projects:** Collaborative projects to encourage teamwork and problem-solving skills.
- **Assessments:** Regular quizzes, assignments, and practical assessments to gauge learning progress.

Evaluation and Certification:

Participants will be evaluated based on their performance in quizzes, practical assessments, and final projects. Successful completion of the program will lead to a certification acknowledging their proficiency in various construction trades.

Additional Activities:

- **Guest Lectures:** Inviting industry experts to share insights and experiences.
- **Career Counseling:** Guidance on career opportunities and paths within the construction industry.
- **Soft Skills Training:** Communication, teamwork, and leadership skills development.

Supervisors, trainers, and assessors

You may refer to the [course catalog](#) to know more about our training staff.

Note:

- Regular feedback sessions should be conducted to understand the participants' challenges and provide necessary support.
- The program should be adaptive, allowing participants to focus on specific skills based on their interests and strengths.

This comprehensive training program will not only provide participants with a diverse skill set but also prepare them for a successful career in the construction industry.