



learning that
works for
engineering

A nighttime photograph of a cityscape, featuring the Oriental Pearl Tower in Shanghai. The tower is illuminated with blue and white lights, and its spherical observation decks are lit up. The foreground shows a curved, illuminated walkway or bridge structure with blue lighting. The sky is dark, and there are light trails from cars in the background.

2012 courses and schedule

Engineering Education Australia was formed by Engineers Australia to focus on the professional development of engineering teams. Our training is designed and delivered by those experienced in working with engineering teams. In 21 years we have trained more than:

- + 42,000 engineers on our public courses
- + 12,000 engineers on our in-house courses

Wholly owned by



GRADUATE

MANAGER

LEADER

Graduate Program in Engineering

A two year program designed to assist engineering graduates to transition into the workforce. Our focus is on "getting them dangerous quickly" through a series of workshops to enhance their non-technical competencies. Designed to improve their capacity to work in teams, write effectively, make high impact presentations, understand planning and design and business acumen.

Practical Management Program

An intensive program that provides engineers in management with the necessary people skills to inspire high performance teams, financial literacy, make change effectively and drive innovation whilst managing risk utilising the Warren Centre PPIR framework. The PMP will assist you to better understand and respond to key management challenges.

Construction Management Program

The skills jump to move from being a site engineer to a construction manager is a big one. This intensive program is specifically designed for the construction industry in conjunction with the National Committee for Construction Engineers. It covers planning and design, the management of construction across the key escalation points, risk and projects.

Engineering Leadership Residential

A 6-day full board program specifically designed for engineering executives to broaden their capability to effectively lead their organisations through the exchange of ideas with other leaders as well as CEO briefings, leadership skills workshops and detailed syndicate work. The Engineering Leadership Residential is specifically for leading engineers who seek to enhance their skills to lead their organisations toward a resilient future.

EEA has developed a range of learning experiences to support engineers to effectively traverse the key points of career transformation from graduate to practitioner, practitioner to manager and manager to leader.



COMMUNICATIONS

BUSINESS

PEOPLE

Communication

- + **Beyond Presentation Skills** – is a one day course that puts presentation skills that are personable and professional and contribute to your capacity to influence and persuade.
- + **CER Writing** – is a series of three one day workshops that focuses on writing effective Career Episode Reports to address the Engineers Australia Stage 2 Competencies for attainment of Chartered Status.
- + **Managing Productive Meetings** – is a one day course that provides the necessary skills to plan, chair and contribute to more effective meetings.
- + **Writing Winning Technical Documents** – is a two day course that provides practical skills to ensure that technical documents are written and presented with clarity and impact.

Business

- + **Asset Management for Engineering Teams** – a two day course that provides engineering teams with the latest tools and techniques for whole of life physical asset procurement, maintenance and integrity.
- + **Contract Management** – is a two day course that covers the contemporary legal frameworks and issues for procurement and contract management.
- + **Introduction to Asset Management** – is a one day course for those seeking to better understand what asset management is and what a good asset management program contains.
- + **Negotiation Skills** – is a two day course that develops your negotiation and influencing skills which can be immediately applied.
- + **Professional Performance, Innovation & Risk** – is a one day course based on the PPIR developed by the Warren Centre which is based on extensive global research on the key success factors in the professional practice of engineering.
- + **Risk & Liability Management** – this two day course explores the latest techniques, key tools to the management of risk including their strengths and weaknesses.
- + **Strategic Finance Imperatives** – is a two day course that will develop the financial acumen of non financial managers and improve understanding of strategic financial drivers.

People

- + **Conducting Effective Performance Appraisals** – is a one day course that equips engineering team members with the tools and techniques to provide performance feedback to staff.
- + **Developing Your Management Expertise** – is a two day course on managing people in the workplace.
- + **Leadership Skills for Professional Women** – is a one day course presents a variety of skills and strategies for developing confidence and leadership qualities.
- + **Transitioning from Manager to Leader** – a two day course that provides managers with the insights, practical skills and tools to broaden their skills range to encompass essential leadership attributes.

PROJECT MANAGEMENT

TECHNICAL ENGINEERING

Diploma of Project Management

The Diploma of Project Management is aligned to the PMBOK, endorsed by the Australian Institute of Project Management and awarded by our partner The Moreland Group.

The **face to face** program consists of five two day workshops and then the assessment process.

The **online** Diploma is a facilitated program with access to live tutorials and individual learning plans.

Project Management Courses

- + **Project Earned Value Management** – is a one day course providing depth of coverage of performance management, the earned value system and project capability.
- + **Project Management Fundamentals** – is a two day course on the foundational concepts and processes. It can be taken on its own or as the first workshop of the Diploma.
- + **Implementing Projects** – is a two day course that provides the tools and techniques to ensure completion within the scope, time and budget. It can be taken stand alone or as the second workshop of the Diploma.
- + **Managing People in Projects** – is a two day course is about people and team management in an engineering context where there are often competing priorities. It can be taken stand alone or as the third workshop of the Diploma.
- + **Managing Project Costs, Resources and Procurement** – is a two day course that provides the necessary skills to develop and manage the project lifecycle of finance and supply of necessary resources. It can be taken stand alone or is the fourth workshop of the Diploma.
- + **Managing Project Quality, Communication & Risk** – is a two day course that covers the key organisational and project specific risks to ensure quality delivery. It can be taken stand alone or as the fifth workshop of the Diploma.

Technical Engineering

- + **Australian Power Institute** – an occasional series of Master Classes on key aspects of power generation, transmission and distribution.
- + **American Society of Civil Engineers (ASCE)** – short courses and Master Classes presented by international experts across a range of civil engineering practice.
- + **American Society of Mechanical Engineers (ASME)** – short courses and Master Classes presented by international experts across a range of mechanical engineering practice.
- + **Earthworks** – this two day course explores the various models and their limitations when applied to earthworks for earth dams, road or rail embankment and platforms for buildings.
- + **Design and Installation of Grid Connected PV Systems** – is an online course that provides a sound understanding of system component, combining them for optimal performance and key aspects of effective installation.
- + **Safer Construction: Design Stage** – is a one day course that presents best practice on the design phase of ensuring safe construction including risk identification and treatment.
- + **Stormwater Management (Source Control)** – is a two day course on the three domains of Water Sensitive Urban Design including quality control, pollution control and Harvesting.
- + **System Safety Engineering** – is a five day Master Class includes the development and maintenance of a safety case, hazard identification/analysis and risk reduction, and software safety management.
- + **Australian Power Institute Summer School** – is a two week intensive for emerging leaders across the entire value chain of the power industry.

INTERNATIONAL ENGINEERS

IN-HOUSE DELIVERY

Transition Programs for International Engineers

EEA has a suite of programs designed to assist in closing the engineering skills gap through easing the transition of international engineers into the Australian workplace. These programs introduce international engineers to:

- + the nature of engineering practice in Australia,
- + effective written and verbal communication
- + workplace culture including safety, respect for diversity & teamwork
- + Australian legislative framework, standards and compliance

Professional Year in Engineering

The Professional Year in Engineering is an Australian Government sanctioned program for international engineering graduates who have studied in Australia or at officially recognised overseas universities. This program is for individual graduates seeking the opportunity to better understand the Australian workplace and to achieve a work placement within an engineering team.

Transition Program for Experienced International Engineers

Is your organisation considering entering an Enterprise Migration Agreement with the Commonwealth Government to recruit overseas engineering professionals? EEA has developed a program that assists to ensure their experienced international engineers have a comprehensive understanding of the Australian operating environment, the approach to engineering practice, compliance and project management.

Experience Engineering in Australia

Are you an overseas qualified engineer with advanced English skills looking to gain exposure in the Australian engineering industry? EEA supports Navitas Workforce Solutions to deliver the equivalent to an engineering GAP year called The Experience Engineering in Australia Program with an initial focus on Western Australia.

In-House Delivery

EEA can deliver most of its public training courses and programs to in-house teams. This offers you the advantage of ensuring it is directly relevant to the strategy, policies and/or practices of your organisation. It also gives you the capacity to determine location and timing. The courses available for delivery in-house include:

- + Asset Management for Engineering Teams
- + Beyond Presentation Skill
- + Business Acumen
- + CER Writing
- + Conducting Effective Performance Appraisals
- + Construction Managers Program
- + Contract Management
- + Developing Your Management Expertise
- + Diploma of Project Management
- + Earthworks
- + Engineering Planning & Design
- + Graduate Program in Engineering
- + Introduction to Asset Management
- + Implementing Projects
- + Leadership Skills for Professional Women
- + Mentoring
- + Managing Productive Meetings
- + Managing People in Projects
- + Managing Project Costs, Resources and Procurement
- + Managing Project Quality, Communication & Risk
- + Negotiation Skills
- + Practical Management Program
- + Project Earned Value Management
- + Project Management Fundamentals
- + Risk & Liability
- + Safer Construction: Design Stage
- + Strategic Finance Imperatives
- + Stormwater Management (Source Control)
- + System Safety Engineering
- + Transition from Manager to Leader
- + Transitioning Program for Experienced International Engineers
- + Writing Winning Technical Documents


With an extensive network of expert facilitators and contacts, EEA is well positioned to source specific training courses that are not mentioned above. Actively consider EEA when outsourcing key elements of your learning and development program for the year.


Course	Duration	Adelaide	Brisbane	Canberra
An Introduction to Asset Management	1 day	19 Mar	7 Aug	—
Asset Management for Engineering Teams	2 days	15-16 Aug	15-16 Feb 12-13 Sep	—
Beyond Presentation Skills	1 day	—	21 Sep	—
Career Episode Report (CER) Writing Workshop Series - first workshop date	3 X 1 day	—	15 Feb 5 Nov	—
Conducting Effective Performance Appraisals	1 day	—	17 Feb	—
Construction Management Program	Program	TBA	TBA	—
Contract Management	2 days	16-17 Apr	26-27 Mar 14-15 May 13-14 Aug 20-21 Nov	—
Design of Buried High Density Polyethylene (HDPE) Piping Systems	2 days	—	10-11 Sep	—
Developing your Management Expertise	2 days	20-21 Sep	10-11 Oct	—
Earthworks	2 days	—	12-13 Apr	—
Gas Transmission & Distribution Piping Systems	2 days	—	19-20 July	—
Graduate Program in Engineering - first session dates	Program	17 May	25 May	—
Leadership Residential	6 days	—	—	—
Leadership Skills for Professional Women	1 day	—	20 Mar	—
Managing Productive Meetings	1 day	16 Aug	22 Mar	—
Negotiation Skills	2 days	17-18 Sep	21-22 Aug	—
Non-Destructive Examination - Applying ASME Code Requirements (Section V)	3 days	—	9-11 May	—
Practical Management Program - first session dates	Program	—	16-17 May	—
Process Piping Materials, Fabrication, Examination & Testing	5 days	—	22-26 Oct	—
Professional Performance, Innovation and Risk (PPIR)	1 day	—	23 Mar	—
Project Management - Module 1 - The Fundamentals	2 days	6-7 Mar	23-24 Feb 4-5 Jun 29-30 Aug 10-11 Oct	—
Project Management - Module 2 - Implementing Projects	2 days	24-25 May	17-18 April 25-26 Jun 15-16 Nov	—
Project Management - Module 3 - Managing People in Projects	2 days	22-23 Aug	9-10 July 3-4 Sep	—
Project Management - Module 4 - Managing Project Costs, Resources and Procurement	2 days	20-21 Sep	23-24 Oct	—
Project Management - Module 5 - Managing Project Quality, Communication and Risk	2 days	12-13 Nov	3-4 Dec	—
Project Management Earned Value Management	1 day	—	7 Sep	—
Pumping Systems Design for Civil Engineers	2 days	—	—	—
Risk & Liability Management - Engineering Due Diligence	2 days	21-22 Mar	18-19 Apr 10-11 Oct	—
Safer Construction - Design Stage	1 day	—	27 Mar 21 Sep	—
Stormwater Management (Source Control)	2 days	13-14 Sep	22-23 Mar	—
Strategic Financial Imperatives	2 days	24 -25 July	19-20 Mar 20-21 Aug	—
System Safety Engineering	5 days	—	—	28 May-1 Jun
Transitioning from Manager to Leader	2 days	27-28 Aug	22-23 Feb	—
Treatment Plant Hydraulics	2 days	—	—	—
Writing Winning Technical Documents	2 days	22-23 Mar	8-9 Mar 9-10 Aug 4-5 Dec	—

Darwin	Hobart	Launceston	Melbourne	Newcastle	Perth	Sydney	Townsville	Cost (inc GST)
—	—	—	21 Feb	—	29 May	26 Jun	—	\$715
22-23 Aug	—	11-12 July	28-29 Mar 29-30 Aug	16-17 May	29 Feb-1 Mar 5-6 Sep	3-4 May 7-8 Nov	—	\$1,210
—	—	—	17 Sep	—	19 Sep	—	—	\$715
—	—	—	17 Feb 25 Oct	—	29 Feb 18 Oct	21 Feb 21 Sept	—	\$1,430
—	—	—	27 Mar	—	2 July	30 May	—	\$715
—	—	—	TBA	—	TBA	TBA	—	\$5,940
5-6 Mar	25-26 Jun	24-25 Sep	22-23 Feb 4-5 Jun 3-4 Sep 3-4 Dec	15-16 Oct	12-13 Mar 11-12 Jun 27-28 Aug 5-6 Nov	27-28 Feb 28-29 May 16-17 July 29-30 Oct	26-27 Nov	\$1,090
—	—	—	—	—	13-14 Sep	—	—	\$2,200
—	—	6-7 Sep	8-9 Mar	—	24-25 May	12-13 Sep	—	\$1,090
—	—	—	20-21 Sep	—	—	24-25 May	—	\$1,210
—	—	—	—	—	23-24 July	—	—	\$2,200
—	—	—	10 May	—	27 Mar	31 May	23 May	\$6,600
—	—	—	—	—	—	13-18 Oct	—	\$8,800
—	—	11 Sep	28 Feb	—	22 May	16 July	—	\$715
—	—	—	4 Sep	—	22 May	30 Aug	—	\$715
—	—	—	6-7 Mar	—	28-29 Feb	4-5 Sep	—	\$1,090
—	—	—	—	—	14-16 May	—	—	\$2,970
—	—	—	21-22 May	—	7-8 May	21-22 May	—	\$5,940
—	—	—	—	—	29 Oct-2 Nov	—	—	\$4,400
—	—	—	21 Jun	—	31 Aug	12 Nov	—	\$715
—	—	—	21-22 Feb 1-2 May 24-25 July 17-18 Sep	—	27-28 Feb 29-30 Mar 28-29 Jun 20-21 Aug	8-9 Mar 1-2 May 17-18 July 11-12 Sep	—	\$1,090
—	—	—	13-14 Mar 22-23 May 22-23 Nov	—	8-9 Mar 7-8 May 29-30 Nov	28-29 Mar 15-16 May 1-2 Nov	—	\$1,090
—	—	—	17-18 July 16-17 Aug	7-8 Feb	30-31 May 3-4 July	29-30 May 24-25 July	—	\$1,090
—	—	—	9-10 Oct	21-22 Feb	19-20 July 13-14 Sep	12-13 June 18-19 Sep	—	\$1,090
—	—	—	19-20 Nov	6-7 Mar	6-7 Aug 1-2 Nov	28-29 Jun 7-8 Nov	—	\$1,090
—	—	—	16 Mar	—	24 Aug	10 Aug	—	\$715
—	—	—	16-17 July	—	23-24 July	—	—	\$2,200
—	—	1-2 Aug	22-23 Feb 14-15 Nov	—	20-21 Jun 3-4 Oct	2-3 May 5-6 Sep	—	\$1,210
—	—	—	29 May 20 Nov	—	4 Sep	14 Aug	—	\$715
—	—	30-31 Aug	14-15 Jun	—	2-3 Aug	3-4 May	—	\$1,210
—	—	—	24-25 May 24-25 Sep	—	20-21 Jun 13-14 Nov	9-10 Aug 20-21 Nov	—	\$1,090
—	—	—	—	—	13-17 Aug	12-16 Nov	—	\$4,400
—	—	—	20-21 Mar	—	4-5 Sep	7-8 Aug	—	\$1,090
—	—	—	19-20 July	—	26-27 July	—	—	\$2,200
—	16-17 Aug	31 May-1 Jun	19-20 Apr 13-14 Sep	—	23-24 Feb 30-31 Aug 28-29 Nov	13-14 Mar 26-27 July 15-16 Nov	18-19 Oct	\$1,090



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