



The Australian Steel Institute



Our eLearning platform has been designed to benefit our members and community stakeholders, covering steel topics from introductory to more complex materials

Leadership

Advocacy

Education

Resources

ASI E-learning Courses

Course ID	Course Name	Duration (excl. quiz time)
W-001	Engineering for Good Fabrication and Erection Outcomes	1 hour 35 mins
W-002	Preparing for Certification to AS/NZS 5131	1 hour
W-003	Case Study: Berry to Bomaderry Upgrade (use of weathering steel)	1 hour
W-004	Changes to AS 4100 and AS/NZS 5131	25 mins
W-005	Question & Answer Session for Part 1-3 of the Webinar Series 2020 (members free)	37 mins
E-005	Design of Bolted Connections for Engineers	4 hours 20 mins
E-006	Design of Purlin & Girt Systems for Engineers	3 hours 30 mins
E-007	Corrosion Protection of Steel Structures for Engineers	3 hours 30 mins
E-008	NASH – Essential Steel Framed Housing Guidance	3 hours
E-009	AS 4100 Refresher Course for Engineers	3 hours 30 mins
E-010	Introduction to the Direct Strength Method of Analysis	1 hour 20 mins
E-011	Economical Structural Steelwork - Design, Fabrication and Erection	3 hours 40 mins
E-012	Fire and Structural Steelwork	3 hours 50 mins
E-013	Direct Strength Method of Analysis of Cold Formed Steel Structures	3 hours 30 mins
E-014	Design of Hollow Members and Connections	4 hours 15 mins

E-015a	Design of Welds and Welded Connections for Engineers Part 1	3 hours 45 mins
E-015b	Design of Welds and Welded Connections for Engineers Part 2	2 hours 50 mins
E-015c	Design of Welds and Welded Connections for Engineers Part 1 & 2	6 hours 30 mins
E-016	Finite Element Analysis - Guide for Engineers and Managers	3 hours 20 mins
E-017	Connecting Steel to Concrete	3 hours 40 mins
E-018	Compliance and High Strength Bolts - Changes in the Revision of AS/NZS1252:2016	1 hour 50 mins
E-019	Understanding the Metallurgy of Steels	4 hours 30 mins
E-020	Beyond AS 4100	3 hours 30 mins
E-021	Structural Fire Engineering – Cost Effective Solutions	2 hours 45 mins
E-022	Fatigue Design of Steel Structures	3 hours 15 mins
E-023	Design of Portal Frame Buildings	3 hours 20 mins
E-024	Design of Light Gauge Cold-Formed Steel Buildings	3 hours 10 mins
E-025	Structural Fire Engineering – Cost Effective Solutions – Short Course	1 hour 20 mins
E-026	Performance Coatings for Steelwork – Corrosion and Fire Protection	45 mins
E-027	Shedsafe Engineering Workshop	3 hours 30 mins
E-028	Design of Composite Beams, Slabs and Columns	2 hours 50 mins
E-029	Design of Bins, Tanks and Silos	5 hours 50 mins
E-030	Structural Steelwork Compliance - Tools to Minimise Risk (Members free)	1 hour 30 mins
E-031	Basics in Understanding Legal Contracts	2 hours 30 mins
E-032	Roll Formed Steel Building Products	2 hours 30 mins
E-033	Steel in Bushfires (Members free)	2 hours
E-034	Ascertaining the compliance of structural steel to meet Australian Standards and the NCC (free)	1 hour
E-035	Design and Installation of Insulated Sandwich Panels	2 hours 15 mins
E-036a	Steel Supply Chain Induction Series: Induction to Steel – The Fundamentals	3 hours 52 mins
E-036b	Steel Supply Chain Induction Series: Induction to Steel – Fundamentals Extended	6 hours 14 mins
E-036c	Steel Supply Chain Induction Series: Induction to Steel – Basics	1 hour 30 mins

E-036d	Steel Supply Chain Induction Series: Induction to Steel – Extended only	2 hours 20 mins
E-036e	Knowledge Series Module 1 - Introduction to the Knowledge Series (free)	12 mins
E-036f	Knowledge Series Module 2 - Steel and Steel Making	53 mins
E-036g	Knowledge Series Module 3 - The Metallurgy of Steel	35 mins
E-036h	Knowledge Series Module 4 - The Engineering Properties of Steel	35 mins
E-036i	Knowledge Series Module 5 - Structural Steel Types	35 mins
E-036j	Knowledge Series Module 6 - The Steel Supply Chain	75 mins
E-036k	Knowledge Series Module 7 - Steel Quality and Compliance	75 mins
E-036l	Knowledge Series Module 8a - Steel Structures - An Introduction	60 mins
E-036m	Knowledge Series Module 8b - Steel Structures - Beyond the Basics	35 mins
E-036n	Knowledge Series Module 9 - Sustainability and Steel	TBC
E-037	Optimising the Design of Structural Hollow Sections & Minimise Failure	2 hours 40 mins
E-038	An Introduction to Cold-formed Light Gauge Steel and Detailing	2 hours
E-039	Design of Hybrid Sheds	4 hours 15 mins
E-040	Design of Steel Structures for Materials Handling (AS4324.1)	1 hour
E-041	The Updated Australian Wind Codes and their Impact on Steel Structures	4 hours
E-041a	Wind Loads for Housing - Application of AS 4055	1 hour 15 mins
E-042	Performance Solutions for the NCC	3 hours
E-043	Introduction to Steel Detailing and Construction Modelling	1 hour 20 mins
E-044	Corrosion Prevention of Steel Products	2 hours 40 mins
E-045	Design of Heavy Crane Runway Girders and Supporting Steel Structures (Minimising risk & improving safety)	2 hours 30 mins
E-046	Design of Roller Doors and Support Structures	1 hour 30 mins
E-047	Cold-formed steel from a design and fabrication perspective	4 hrs 26 mins