



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)
W001	Engineering for Good Fabrication and Erection Outcomes	1 hour 35 mins
W002	Preparing for Certification to AS/NZS 5131	1 hour
W003	Case Study: Berry to Bomaderry Upgrade (use of weathering steel)	1 hour
W004	Changes to AS 4100 and AS/NZS 5131	25 mins
W005	Question & Answer Session for Part 1-3 of the Webinar Series 2020 (members free)	37 mins
E005	Design of Bolted Connections for Engineers	4 hours 20 mins
E006	Design of Purlin & Girt Systems for Engineers	3 hours 30 mins
E007	Corrosion Protection of Steel Structures for Engineers	3 hours 30 mins
E008	NASH – Essential Steel Framed Housing Guidance	3 hours
E009	AS 4100 Refresher Course for Engineers	3 hours 30 mins
E010	Introduction to the Direct Strength Method of Analysis	1 hour 20 mins
E011	Economical Structural Steelwork - Design, Fabrication and Erection	3 hours 40 mins
E012	Fire and Structural Steelwork	3 hours 50 mins
E013	Direct Strength Method of Analysis of Cold Formed Steel Structures	3 hours 30 mins
E014	Design of Hollow Members and Connections	4 hours 15 mins

E015a	Design of Welds and Welded Connections for Engineers Part 1	3 hours 45 mins
E015b	Design of Welds and Welded Connections for Engineers Part 2	2 hours 50 mins
E015c	Design of Welds and Welded Connections for Engineers Part 1 & 2	6 hours 30 mins
E016	Finite Element Analysis - Guide for Engineers and Managers	3 hours 20 mins
E017	Connecting Steel to Concrete	3 hours 40 mins
E018	Compliance and High Strength Bolts - Changes in the Revision of AS/NZS1252:2016	1 hour 50 mins
E019	Understanding the Metallurgy of Steels	4 hours 30 mins
E020	Beyond AS 4100	3 hours 30 mins
E021	Structural Fire Engineering – Cost Effective Solutions	2 hours 45 mins
E022	Fatigue Design of Steel Structures	3 hours 15 mins
E023	Design of Portal Frame Buildings	3 hours 20 mins
E024	Design of Light Gauge Cold-Formed Steel Buildings	3 hours 10 mins
E025	Structural Fire Engineering – Cost Effective Solutions – Short Course	1 hour 20 mins
E026	Performance Coatings for Steelwork – Corrosion and Fire Protection	45 mins
E027	Shedsafe Engineering Workshop	3 hours 30 mins
E028	Design of Composite Beams, Slabs and Columns	2 hours 50 mins
E029	Design of Bins, Tanks and Silos	5 hours 50 mins
E030	Structural Steelwork Compliance - Tools to Minimise Risk (free)	1 hour 30 mins
E031	Basics in Understanding Legal Contracts	2 hours 30 mins
E032	Roll Formed Steel Building Products	2 hours 30 mins
E033	Steel in Bushfires (Members free)	2 hours
E034	Ascertaining the compliance of structural steel to meet Australian Standards and the NCC (free)	1 hour
E035	Design and Installation of Insulated Sandwich Panels	2 hours 15 mins
E036a	Steel Supply Chain Induction Series: Induction to Steel – The Fundamentals	3 hours 52 mins
E036b	Steel Supply Chain Induction Series: Induction to Steel – Fundamentals Extended	6 hours 14 mins
E036c	Steel Supply Chain Induction Series: Induction to Steel – Basics	1 hour 30 mins

E036d	Steel Supply Chain Induction Series: Induction to Steel – Extended only	2 hours 20 mins
E036e	Knowledge Series Module 1 - Introduction to the Knowledge Series (free)	12 mins
E036f	Knowledge Series Module 2 - Steel and Steel Making	53 mins
E036g	Knowledge Series Module 3 - The Metallurgy of Steel	35 mins
E036h	Knowledge Series Module 4 - The Engineering Properties of Steel	35 mins
E036i	Knowledge Series Module 5 - Structural Steel Types	35 mins
E036j	Knowledge Series Module 6 - The Steel Supply Chain	75 mins
E036k	Knowledge Series Module 7 - Steel Quality and Compliance	75 mins
E036l	Knowledge Series Module 8a - Steel Structures - An Introduction	60 mins
E036m	Knowledge Series Module 8b - Steel Structures - Beyond the Basics	35 mins
E036n	Knowledge Series Module 9 - Sustainability and Steel (Not available yet)	TBC
E037	Optimising the Design of Structural Hollow Sections & Minimise Failure	2 hours 40 mins
E038	An Introduction to Cold-formed Light Gauge Steel and Detailing	2 hours
E039	Design of Hybrid Sheds	4 hours 15 mins
E040	Design of Steel Structures for Materials Handling (AS4324.1)	1 hour
E041	The Updated Australian Wind Codes and their Impact on Steel Structures	4 hours
E041a	Wind Loads for Housing - Application of AS 4055	1 hour 15 mins
E042	Performance Solutions for the NCC	3 hours
E043	Introduction to Steel Detailing and Construction Modelling	1 hour 20 mins
E044	Corrosion Prevention of Steel Products	2 hours 40 mins
E045	Design of Heavy Crane Runway Girders and Supporting Steel Structures (Minimising risk & improving safety)	2 hours 30 mins
E046	Design of Roller Doors and Support Structures	1 hour 30 mins
E047	Cold-formed steel from a design and fabrication perspective	4 hours 26 mins
E048	New developments in cold-formed steel design to AS/NZS 4600-2018	3 hours 30 mins
E049	Structural Bolting – Specifications, Supervision and Inspection	14 hours

E050	Welding Safety – For Welders (free)	1 hour 30 mins
E051	Welding Safety – For Engineers and Supervisors (free)	1 hour
E052	Reducing Risk of Fatigue Failure of Fabricated Steelwork	3 hours 30 mins

E-LEARNING

August 24 Got other suggestions for courses? Let us know via elearning@steel.org.au

<https://learn.steel.org.au>