



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

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

E036d	<a href="#">Steel Supply Chain Induction Series: Induction to Steel – Extended only</a>	2 hours 20 mins
E036e	<a href="#">Knowledge Series Module 1 - Introduction to the Knowledge Series (free)</a>	12 mins
E036f	<a href="#">Knowledge Series Module 2 - Steel and Steel Making</a>	53 mins
E036g	<a href="#">Knowledge Series Module 3 - The Metallurgy of Steel</a>	35 mins
E036h	<a href="#">Knowledge Series Module 4 - The Engineering Properties of Steel</a>	35 mins
E036i	<a href="#">Knowledge Series Module 5 - Structural Steel Types</a>	35 mins
E036j	<a href="#">Knowledge Series Module 6 - The Steel Supply Chain</a>	75 mins
E036k	<a href="#">Knowledge Series Module 7 - Steel Quality and Compliance</a>	75 mins
E036l	<a href="#">Knowledge Series Module 8a - Steel Structures - An Introduction</a>	60 mins
E036m	<a href="#">Knowledge Series Module 8b - Steel Structures - Beyond the Basics</a>	35 mins
E036n	<a href="#">Knowledge Series Module 9 - Sustainability and Steel (TBC)</a>	TBC
E037	<a href="#">Optimising the Design of Structural Hollow Sections &amp; Minimise Failure</a>	2 hours 40 mins
E038	<a href="#">An Introduction to Cold-formed Light Gauge Steel and Detailing</a>	2 hours
E039	<a href="#">Design of Hybrid Sheds</a>	4 hours 15 mins
E040	<a href="#">Design of Steel Structures for Materials Handling (AS4324.1)</a>	1 hour
E041	<a href="#">The Updated Australian Wind Codes and their Impact on Steel Structures</a>	4 hours
E041a	<a href="#">Wind Loads for Housing - Application of AS 4055</a>	1 hour 15 mins
E042	<a href="#">Performance Solutions for the NCC</a>	3 hours
E043	<a href="#">Introduction to Steel Detailing and Construction Modelling</a>	1 hour 20 mins
E044	<a href="#">Corrosion Prevention of Steel Products</a>	2 hours 40 mins
E045	<a href="#">Design of Heavy Crane Runway Girders and Supporting Steel Structures (Minimising risk &amp; improving safety)</a>	2 hours 30 mins
E046	<a href="#">Design of Roller Doors and Support Structures</a>	1 hour 30 mins
E047	<a href="#">Cold-formed steel from a design and fabrication perspective</a>	4 hours 26 mins
E048	<a href="#">New developments in cold-formed steel design to AS/NZS 4600-2018</a>	3 hours 30 mins
E049	<a href="#">Structural Bolting – Specifications, Supervision and Inspection</a>	14 hours

E050	<a href="#">Welding Safety – For Welders (free)</a>	1 hour 30 mins
E051	<a href="#">Welding Safety – For Engineers and Supervisors (free)</a>	1 hour
E052	<a href="#">Reducing Risk of Fatigue Failure of Fabricated Steelwork</a>	3 hours 30 mins
E053	<a href="#">Site inspection of structural steelwork</a>	3 hours 20 mins
E054	<a href="#">Workshop inspection of structural steelwork</a>	4 hours 30 mins

E-LEARNING

October 24 Got other suggestions for courses? Let us know via [elarning@steel.org.au](mailto:elarning@steel.org.au)

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