



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

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

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