



KNOWLEDGE SERIES MODULE 8b: STEEL STRUCTURES – BEYOND THE BASICS

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Structural Steel Types
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The Steel Supply Chain
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Steel Quality and Compliance
- KNOWLEDGE SERIES MODULE 8a
Steel Structures – An Introduction
- KNOWLEDGE SERIES MODULE 8b
Steel Structures – Beyond the Basics

COURSE OUTLINE

Lesson 1: Economical structural steelwork

- Introduction and outline
- Component costs
- Design for economy
- Overarching principles
- Selection of the framing system
- Design of members
- Design and detailing of connections
- Fabrication processes
- Erection methodology
- Specification and documentation
- Corrosion protection
- Fire protection
- Digital integration
- Form of contractual relationship
- Value engineering steel structures
- Life cycle cost

Lesson 2: Architecturally exposed structural steelwork

- Form and function
- Communication
- Categorisation
- Connections
- Cost
- Bracing
- Shear panel

Lesson 3: Sustainable steel (Coming soon!)

ACCESS HERE : [HTTPS://LEARN.STEEL.ORG.AU/KNOWLEDGE-SERIES/](https://learn.steel.org.au/knowledge-series/)