1 Science of Failure – Understand how components, and machines fail and what situations cause equipment failure.

2 Life Cycle Asset Management – Recognise lifecycle management implications and learn to make sensible and profitable life cycle asset choices.

3 Operational Risk Reduction – Identify operational risk and apply effective risk mitigations.

4 Introduction to Reliability Engineering – Identify the factors impacting reliability and apply means to monitor and trend reliability.
5 Human Error and its Management – Identify risk of human error in work process activities and implement suitable protection.

6 Quality Control and Assurance – Identify quality standards and put measures in place to monitor quality assurance.

7 Equipment Reliability Improvement – Make changes and introduce methods that improve plant and equipment reliability.

8 Defect Elimination and Failure Prevention – Prevent failure causing defects and errors from occurring throughout the asset life cycle.
9 Root Cause Failure Removal – Investigate and remove defects and failure causes from plant and equipment.

10 Change to a Reliability Workplace Culture – Develop strategy and plans to help work teams implement reliability improvement change and habits.