Lesson 1 | What is an FMEA?
• Know what an FMEA is and why an FMEA is used.
• Understand how an FMEA is conducted on a conceptual basis.

Lesson 2 | Purposes of FMEAs
• Understand how the systematic FMEA approach gets us to dig into the details of the design or process under study to identify potential risks.
• Realize how an FMEA helps identify risks, prioritizes the risks relative to one another and focuses efforts on an action plan to reduce the risks.

Lesson 3 | Adding Value with FMEAs
• To gain an appreciation for how FMEAs add value to the organization.

Lesson 4 | Types of FMEAs
• Explain the differences between a DFMEA (Design-FMEA) and a PFMEA (Process-FMEA).
• Recognize that alternative types of FMEAs do exist and understand the reasons for their use as well as the differences in the tactics used to conduct them.

Lesson 5 | The FMEA Process
• Be familiar with the 7 steps used to conduct an FMEA.
• Understand how Failure Chains work.
• Understand how evaluation criteria is used to rate the levels of Severity, Occurrence and Detection.
• Become aware of how Action Priority Tables establish Action Priority (AP) levels for potential risks.

Lesson 6 | Assembling an FMEA Team
• Understand how to assemble an effective Core Team for conducting FMEAs.
• Recognize how an Extended Team complements the Core Team
• Appreciate the role of Subject Matter Experts when conducting an FMEA.
• Be aware of how the Five T’s are used to ensure successful team start-ups.

Lesson 7 | Best Practices for Conducting FMEAs
• To become familiar with six (of the) best practices for conducting FMEAs.

Challenge
• An assessment of the learner's progress in this course.