

GBMP Failure Modes & Effects Analysis (FMEA)

THIS ONE-DAY COURSE INTRODUCES STUDENTS TO THE BASICS OF FAILURE MODES EFFECTS ANALYSIS AND DESCRIBES HOW THE USE OF THIS TOOL HELPS TO DEFINE WHAT POTENTIAL FAILURE MODES ARE CRITICAL TO THE CUSTOMER.

Overview: This class helps set the stage for problem solving the highest Risk Priority Numbers associated with determining what the most important aspects that the team needs to focus on. Attendees will get an understanding of the advantages of driving out potential failures associated with what the customer sees as critical to their product. It also covers how to work with a team to determine the severity, occurrence and detection ratings associated with developing the risk priority numbers. Document process steps within a value stream to decide where and when improvement makes sense. This course demonstrates how the critical few inputs affect the output of a process. FMEA is a key tool to drive down through the problem-solving funnel. Class time is set aside to allow attendees to engage in specific discussions of how to identify potential failure modes on their own shop floor.

After taking this class attendees will be able to:

- ✓ Develop either a design or process FMEA to work through
- ✓ Understand what potential failures can cause customer dissatisfaction

Who should attend? This introductory course is appropriate for employees, supervisors and managers who want to eliminate failures from reaching customers. It is especially relevant for individuals who will be involved in designing, implementing or improving production processes.

Time Commitment? 8 hours

Course Outline:

- What is FMEA?
- Process vs. Design FMEA
- Simulating a QFD
- Prerequisites for Creating an FMEA
- Create an FMEA (class practice)



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