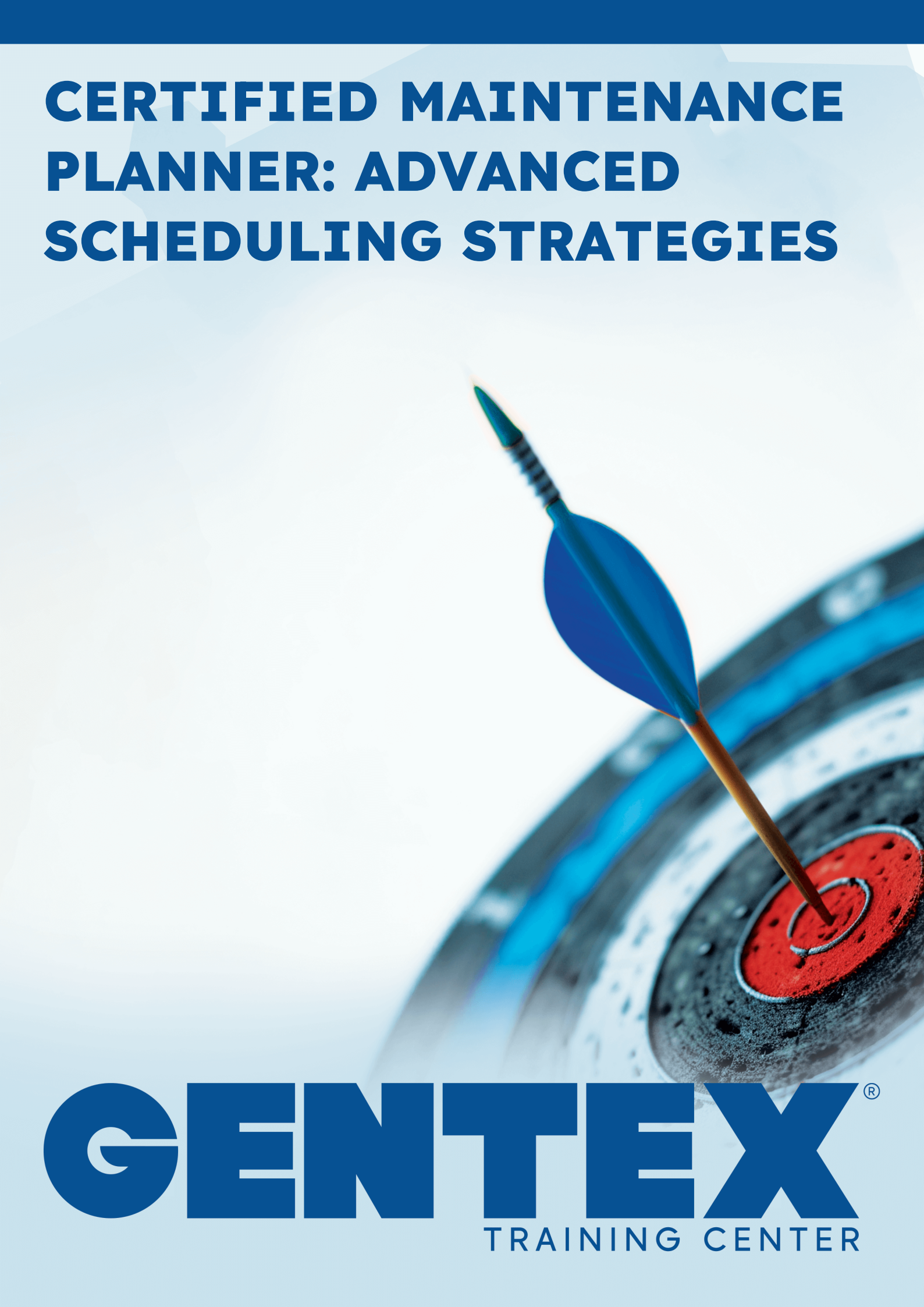
CERTIFIED MAINTENANCE PLANNER: ADVANCED SCHEDULING STRATEGIES



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GENTEX Training Center LLC | Orlando - FL, USA
Info@gentextraining.com

Introduction

Certified Maintenance Planner: Advanced Scheduling Strategies examines how planners turn maintenance demand into a scheduled, resourced week that crews can actually execute. This Training Course covers work identification, planning, scheduling, backlog control, and performance measurement. Participants study the SMRP Best Practices Metrics, the ISO 55000 asset management principles and ISO 55001 requirements, PAS 55 heritage practice, the maintenance work management cycle, work order prioritisation, job planning and task packaging, bill of materials and spares readiness, job safety analysis, the maintenance planner and scheduler role split, weekly and daily scheduling, capacity levelling and craft availability, preventive and predictive maintenance strategies including RCM and FMEA, the P-F interval, Overall Equipment Effectiveness, Schedule Compliance and Planning Effectiveness metrics, and the Reliability-Centred Spares approach. Furthermore, the programme connects planning to execution through work package labs, scheduling simulations, and performance review workshops. As a result, delegates leave able to build a schedule that crews finish on time.

Certified Maintenance Planner: Advanced Scheduling Strategies Course Objectives

- Define the planner and scheduler roles and their interface.
- Apply ISO 55000 and ISO 55001 asset management principles.
- Apply the SMRP Best Practices Metrics to maintenance performance.
- Manage the maintenance work management cycle end to end.
- Prioritise work orders using criticality and risk.
- Build job plans with tasks, labour, spares, and permits.
- Apply criticality analysis, FMEA, and reliability-centred maintenance.
- Design weekly and daily schedules with capacity levelling.
- Control backlog and manage schedule break-in requests.

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- Measure Schedule Compliance, Planning Effectiveness, and OEE.

Course Methodology

- Interactive workshops using real work orders and maintenance data.
- Work management cycle and job planning labs.
- Criticality, FMEA, and RCM application exercises.
- Weekly scheduling and capacity levelling workshops.
- Schedule review and performance measurement simulations.
- Action planning that converts each session into a workplace commitment.

Who Should Take This Course

- Maintenance planners and schedulers.
- Maintenance supervisors and superintendents.
- Reliability engineers and asset managers.
- Maintenance and shutdown coordinators.
- CMMS and EAM administrators.
- Operations staff coordinating maintenance windows.
- Consultants supporting maintenance improvement.

Certified Maintenance Planner: Advanced Scheduling Strategies Course Outlines

Day 1: Foundations of Maintenance Planning

- The planner and scheduler roles and their interface.
- ISO 55000 and ISO 55001 asset management principles.

- The SMRP Best Practices Metrics overview.
- The maintenance work management cycle stages.
- Reactive, preventive, predictive, and proactive maintenance types.
- Common failures: planning without spares, scheduling without capacity.
- Building the planning framework pack.

Day 2: Work Identification and Prioritisation

- Work request intake and screening.
- Criticality analysis and consequence classification.
- Risk-based prioritisation matrices.
- Failure modes and effects analysis fundamentals.
- Reliability-centred maintenance decision logic.
- Emergency versus urgent versus routine work definition.
- Building the prioritisation pack.

Day 3: Job Planning and Work Packaging

- Job plan structure: tasks, sequence, and durations.
- Labour and skill requirement estimation.
- Bill of materials and spares readiness checks.
- Permit-to-work, isolation, and safety requirements.
- Tools, special equipment, and contractor scope planning.
- Job plan quality review and standard job libraries.
- Building the work package pack.

Day 4: Scheduling and Capacity Levelling

- Weekly scheduling cycle and work selection rules.
- Capacity levelling against craft availability.
- Shift patterns, overtime, and contractor blending.
- Coordination with operations and production windows.
- Shutdown and turnaround scheduling practice.
- Schedule break-in control and freeze periods.
- Building the weekly schedule pack.

Day 5: Performance Measurement and Improvement

- Schedule Compliance and Planning Effectiveness metrics.
- Backlog management and ageing analysis.
- Overall Equipment Effectiveness and availability reporting.
- Proactive versus reactive work ratio monitoring.
- Statistical Process Control with control charts and run rules.
- Review routines, root cause work, and continuous improvement.
- Personal action plan and continuous improvement.

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Conclusion

By successfully completing Certified Maintenance Planner: Advanced Scheduling Strategies, participants will have acquired a practical command of the work management cycle, criticality and risk prioritisation, job planning and work packaging, spares readiness, weekly scheduling and capacity levelling, backlog control, and maintenance performance measurement. They will know how to build a job plan crews can execute without stopping for missing parts, level a weekly schedule against real craft capacity, and measure compliance in a way that exposes the true constraint. In addition, the course prepares delegates to control schedule break-ins without blocking urgent work. As a result, they return to work ready to build a weekly schedule that crews finish on time. Gentex Training Center delivers this Training Course with a practical, standards-based approach.

FAQs for the Certified Maintenance Planner: Advanced Scheduling Strategies course

Q1 What is the "Certified Maintenance Planner: Advanced Scheduling Strategies" course about?

It is a five-day programme on turning maintenance demand into a scheduled, resourced week that crews can execute. It covers the maintenance work management cycle, criticality and risk prioritisation, job planning and work packaging, spares readiness, weekly scheduling and capacity levelling, backlog control, and maintenance performance metrics.

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Q2 What are the key benefits of the "Certified Maintenance Planner: Advanced Scheduling Strategies" course?

Participants gain the ability to build a job plan crews can execute without stopping for missing parts, level a weekly schedule against real craft capacity, and measure compliance in a way that exposes the true constraint. They also learn to control schedule break-ins without blocking urgent work.

Q3 What skills will I gain from the "Certified Maintenance Planner: Advanced Scheduling Strategies" course?

Planning foundations with ISO 55000 and ISO 55001 principle application, SMRP metric use, and work management cycle design, prioritisation with work request screening, criticality analysis, consequence classification, risk-based prioritisation, FMEA application, RCM decision logic, and work type definition, job planning with job plan structuring, labour and skill estimation, bill of materials construction, spares readiness checking, permit and isolation planning, contractor scope definition, and standard job library development, and scheduling and measurement with weekly scheduling cycle design, capacity levelling, shift pattern and contractor blending, shutdown scheduling, schedule break-in control, Schedule Compliance and Planning Effectiveness measurement, backlog ageing analysis, Overall Equipment Effectiveness calculation, proactive ratio monitoring, control chart application, run rule interpretation, and review routine design.

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Q4 What tools, methods, or standards are covered in the "Certified Maintenance Planner: Advanced Scheduling Strategies" course?

The course covers the planner and scheduler roles and their interface, ISO 55000 and ISO 55001 asset management principles, the SMRP Best Practices Metrics overview, the maintenance work management cycle stages, reactive, preventive, predictive and proactive maintenance types, common failures across planning without spares and scheduling without capacity, work request intake and screening, criticality analysis and consequence classification, risk-based prioritisation matrices, failure modes and effects analysis fundamentals, reliability-centred maintenance decision logic, emergency versus urgent versus routine work definition, job plan structure across tasks, sequence and durations, labour and skill requirement estimation, bill of materials and spares readiness checks, permit-to-work, isolation and safety requirements, tools, special equipment and contractor scope planning, job plan quality review and standard job libraries, weekly scheduling cycle and work selection rules, capacity levelling against craft availability, shift patterns, overtime and contractor blending, coordination with operations and production windows, shutdown and turnaround scheduling practice, schedule break-in control and freeze periods, Schedule Compliance and Planning Effectiveness metrics, backlog management and ageing analysis, Overall Equipment Effectiveness and availability reporting, proactive versus reactive work ratio monitoring, Statistical Process Control with control charts and run rules, and review routines, root cause work and continuous improvement.

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Q5 How is the "Certified Maintenance Planner: Advanced Scheduling Strategies" course applied in real-world practice?

Delegates apply it through planning frameworks, work management procedures, role charters for planners and schedulers, metric hierarchies, work request forms, screening checklists, criticality registers, consequence classification matrices, risk-based prioritisation matrices, FMEA worksheets, RCM decision records, work type definitions, job plans, task lists, duration estimates, labour and skill requirement sheets, bills of materials, spares readiness checklists, permit-to-work records, isolation procedures, job safety analyses, contractor scope documents, standard job libraries, job plan review records, weekly work selection lists, weekly schedules, capacity levelling sheets, craft availability reports, shift patterns, overtime plans, contractor blending plans, operations coordination records, production window agreements, shutdown schedules, turnaround plans, schedule freeze periods, break-in request forms, break-in logs, Schedule Compliance reports, Planning Effectiveness reports, backlog registers, backlog ageing analyses, work order ageing reports, Overall Equipment Effectiveness calculations, availability reports, proactive ratio reports, control charts, run rule assessments, review agendas, root cause reports, and maintenance improvement plans. They also use them to chair planning and scheduling reviews and to present maintenance performance to operations and plant leadership.