

### Problem Solving for Advanced Manufacturing



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### *Programme Award*

<b>Award Title</b>	Creative Problem Solving
<b>Award Code</b>	D/502/1117
<b>Award Body</b>	C&G
<b>Award Level</b>	Level 3

### *Programme Aim*

The purpose of this programme is to equip the learner with the knowledge, skill and competence to practice effective problem solving within a manufacturing environment.

### *Programme Delivery Mode*

The delivery mode of the programme as laid out in this document is 5 x 8-hour days. It is recommended for this course that the delivery be 1 day a week over 5 weeks, this will allow the students time to complete the assignment work.

### Learner effort hours breakdown

Instructor lead learning hours	40
Self-Directed learning hours	60

### *Target Learner Profile*

M4CPD Problem Solving for Advanced Manufacturing is targeted at employees working in industry that want to build on their problem-solving capability, or to understand structured problem-solving approaches.

### *Pre-requisites*

- None

*Programme Learning Objectives*

Programme Learning Outcomes	<p>LO 1. Be able to identify and analyse a problem.</p> <p>LO 2. Be able to plan, monitor and evaluate an implementation/a problem solution.</p> <p>LO 3. Review their approach to problem solving and the proposed problem solution.</p> <p>LO 4. Understand thinking techniques used in problem solving.</p> <p>LO 5. Write a technical report.</p> <p>LO 6. Use knowledge management skills as a problem-solving tool.</p> <p>LO 7. Utilise Design of Experiment techniques in problem solving.</p> <p>LO 8. Outline the key points of problem-solving techniques and models</p>
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*Certification Details**Assessment Map*

Learning objective	Assignment
LO 1	X
LO 2	X
LO 3	X
LO 4	X
LO 5	X
LO 6	X
LO 7	X
LO 8	X