

**Design for Six Sigma
Yellow Belt and Green Belt
Training Programme Outline**

Summary: A programme designed to build skills and confidence in the robust development of new products, services or processes. The first 4 days are at Yellow Belt level and for those wishing to progress further, additional tools are added in the remaining days. The curriculum compliments Capella's Black Belt programmes ensuring team members are able to fully support each other and allowing easy progression from one level to the next. The standard format allows delegates to apply their learning to live projects and to take advantage of our coaching support enabling bottom-line business benefits to be delivered and a first project to be completed within the timeframe of the programme.

Aimed at: Anyone who wants to develop new products, services or processes

Prior qualifications/experience: None required

Duration: 10 days plus 1 day follow-up

Objectives: By the end of the programme, participants will be able to:

- Recognise and apply Design For Six Sigma methodologies to appropriate projects
- Select and apply Design for Six Sigma tools, interpret results and draw robust conclusions
- Confidently develop new products, services and processes

Content:

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| <p>Yellow Belt <u>Day 1 – Introduction</u> Launch DFSS Methodologies Project Selection and Scoping Project Risk Assessment</p> <p><u>Day 3- Design/Optimise</u> Process Capability I Graphical Analysis Root Cause Analysis Idea Generation and Selection</p> <p>Green Belt <u>Module 1</u> Financial analysis QFD/House of Quality MSA II</p> | <p><u>Day 2 - Identify</u> Opportunity Statements Process Mapping Minitab introduction Voice of Customer and Kano Data Collection planning MSA I</p> <p><u>Day 4 - Validate</u> Control/Reaction Plans Control Charts I Case study activity</p> <p><u>Module 2</u> Process Capability II Design Scorecards DFMEA Key Function Mapping</p> |
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Leadership and Personal Development, Strategic Management, Lean Six Sigma & Quality Tools

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| <p><u>Module 3</u> Hypothesis testing Regression analysis TRIZ Pugh Selection matrix</p> <p><u>Module 5</u> Tolerance Analysis Reliability Analysis Maintainability Error Proofing Control Charts II Case study activity</p> | <p><u>Module 4</u> DOE Taguchi RSM</p> |
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