

# Short Courses

## *Motors & Control Circuit Principles*

<b>Course Duration</b>	2 weeks - Monday to Thursday 8:15 to 16:45
<b>Course Objectives</b>	To provide a valuable insight into common three phase motors and associated control circuits
<b>Course Content</b>	A.C. Generation Principles, Waveforms Magnetism Principles Operation / construction of Three Phase Induction Motors Interconnection of Motor Windings Relationship between voltage/current levels Common motor faults and testing and inspection Use of test and measuring instruments Overcurrent protection devices / co-ordination Common control circuit components Types, Layout and Use of Electrical Diagrams Symbols and Component Numbering Switches and Switching Techniques Construction of Three Phase Motor Control Circuits <i>Including :</i> Direct On Line (D.O.L.) Forward / Reverse Star Delta Overcurrent Protective Devices Introduction to Fault Location
<b>Who should attend?</b>	All personnel who have an understanding of electrical principles and techniques. This course may be taken individually or as an addition to other electrical courses, as such as the Basic Electrical Maintenance Course
<b>Venue</b>	EAGIT Training Centre - <b>Unit 20</b>
<b>Course Dates</b>	6 <sup>th</sup> February 2012
<b>Examination Dates</b>	N/A
<b>Costs</b>	£1190 + VAT
<b>Course Certificate</b>	This course carries an EAGIT issued Certificate of Attendance
<b>Course Requirements</b>	Personal Protective Equipment and a Calculator.