

Product Service

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University Certificate in Professional Development:
European Machinery Safety Requirements
CE Marking, PUWER & Practical Risk Assessments



LAILDLER
ASSOCIATES

Part of the Machinery Division of TÜV SÜD Product Service

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Cost: £1450.00 per delegate
**Time: 5 days taught +
16 weeks distance
learning**

UCPD

The Laidler University Certificate in Professional Development (UCPD) is the first course of its kind, offering an academic qualification for the field of machinery safety. It has been developed by Laidler Associates and accredited by the University of Teesside giving an academic route for the professional development of safety engineers and practitioners. Alongside the qualification, successful students will also receive 30 credits which can be used towards other University courses.

Background

The UCPD was developed due to market demand for a recognised qualification in Machinery Safety. Over a number of years, Laidler clients asked whether they could receive accredited training that could be used towards their Professional Development. The demand was such that Laidler took the bold step towards producing this unique qualification.

Benefits

The course will be run at venues across the country. Spaces will be limited to enable delegates to gain the most benefit possible from their study time with the Laidler trainer. If demand from a company is sufficient, the course can also be run inhouse if required.

Individual delegates benefit from attending the course because they are taught and assessed by one of the leading machinery safety consultants in the UK and will gain a qualification which will enhance their career both through their own Professional Development but also by being qualified in an area that previously had no recognised qualification.

Companies benefit as they will be able to have their own in-house team of machinery safety assessors, negating the need to use external consultants and hence saving finances in the long term. They will also benefit by knowing what qualification they need to look for when employing new members of staff.

Enrolment Procedure

The first stage of enrolment is to complete the form on the out side of this flyer and return it to Laidler Associates. You will then be contacted with potential dates and venues. Once a suitable course has been agreed, you will be registered as a student with the University of Teesside. Prior to the course you will receive notification of your enrolment and a full timetable of key dates, including the submission deadline for your practical assessment exercise.

When you arrive on day 1 of the course, you will receive your full course documentation and the practical assessment application. Following the practical classroom sessions, you will have 16 weeks of distance learning to work through the coursebook and complete the practical assessment which must be returned to Laidler Associates by the stated deadline.

Delegates will be informed of their result within 1 month of the submission deadline for the practical assessment. Certificates will be issued at the end of the Academic year and successful delegates will be invited to attend a graduation event to receive their certificate in person.

Agenda

Day 1: CE Marking

Including:

- CE Marking, Machinery, Low Voltage & EMC Directives
- EN Standards
 - Types of Standards
 - EHSRs v Standards
- Risk Assessment
 - Definitions & Hazard Identification
 - Risk Reduction
- Compiling a Technical File
- Practical Case Study



**Location: Billingham,
Bolton,
Solihull and
Newbury**

Day 2: PUWER 98

- Definitions and Responsibilities
- Introduction to PUWER 98
- New Requirements of PUWER 98
- Contents of PUWER
 - Part 1 Introduction
 - Part 2 General Requirements
 - Part 3 Mobile Machinery
 - Part 4 Power Presses
 - Part 5 Miscellaneous
- Role of EN Standards
- Introduction to Risk Assessment Methods
- Introduction to Hazard Categories
- Practical Application of PUWER 98
- EN Standards Case Study & Quiz

Day 3: BS EN Standards - Mechanical

- Responsibilities
- The Responsible Person
- Introduction to BS EN Standards
- The Role of EN Standards
- Types of Standards
- Standards Covered:
 - EN ISO 12100 - General requirements for safety
 - EN 349 - Access of Lower Limbs
 - EN 953 Guarding requirements
 - EN 982 - Hydraulic Systems
 - EN 983 - Pneumatic Systems
 - EN ISO 13857 - Safety Distances to prevent access to Dangerous Parts
- Case study for practical application of standards

Day 4: BS EN Standards - Electrical

- Standards Covered:

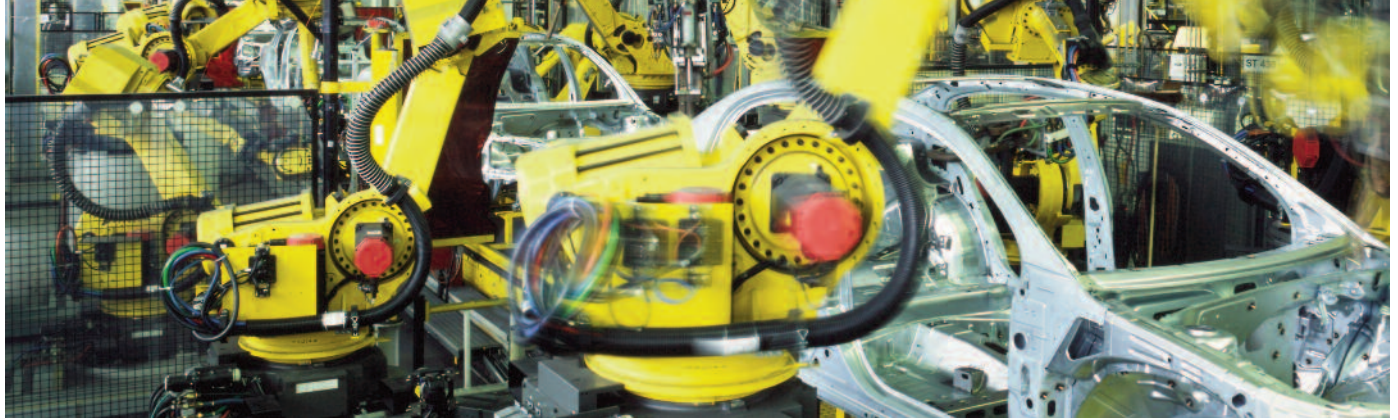
- EN 12100 - General requirements for safety
- EN 13850 - Emergency Stop Circuits
- EN 13849-1 - Safety Related Parts of Control Systems
- EN 457 - Two handed controls
- EN 954 - Safety Related Circuitry
- EN 62061 - Functional Safety of Safety related electrical & electronic control systems
- EN 999 - Positioning of protective safety devices
- EN 1088 - Interlocking of Guards
- EN 60204 - Electrical Safety of Machinery
- Case study for practical application of standards

Day 5: Practical Risk Assessment

- Introduction to VR Package
- Introduction to Checklists
- Guided Risk Assessments using supplied checklists
- Introduction to Distance Learning
- Distribution of Distance Learning Package and VR Assessment Application

16 week Distance Learning Assessment

Following the course, there will be a 16 week period, during which the delegate will need to carry out the assessment package contained within the course folder. Delegates will need to complete a PUWER Checklist, carrying out at least 25 risk assessments and then a CE EHSR checklist, carrying out a further 25 risk assessments. These completed assessments must be sent to Laidler in both hard copy and electronic formats to make up the delegate's assessment portfolio. The hard copy portfolio will be made available to the delegate after moderation has taken place.



**For further information on our training services or to view our
open course programme, visit our website:**

www.laidler.eu

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