



OCR LEVEL 1/2 CAMBRIDGE NATIONAL CERTIFICATE IN SYSTEMS CONTROL IN ENGINEERING

INTRODUCTION

Systems control in engineering is the study of microprocessor control that uses sensors, feedback and actuators that constantly adjust for a desired performance. Through this qualification, you will explore computer and microprocessor applications. You will learn how systems are used in engineering environments such as product design, automated manufacturing, maintenance and stock control. You will also take part in engaging practical tasks such as producing simple electronic circuits, testing the operation of circuits, and designing and testing a simple control system.

The OCR Level 2 Cambridge National Certificate is equivalent to one GCSE

ENTRY REQUIREMENTS

- 5 GCSEs at a minimum grade of an E or 3, or equivalent (including Mathematics).
- A good school report

GRADING

The course requires you to PASS a mandatory synoptic final exam (R113), together with all other assignments for the remaining 3 units. Each unit will be graded as a 'Pass', 'Merit', 'Distinction'. To achieve a pass grade for the unit, learners must meet the assessment criteria set out in the unit specification.

COURSE STRUCTURE

- Duration is one year.
- The Certificate is composed of four units:

	UNITS OF WORK	ASSESSMENT
Unit R113	Electronic Principles	1.5hrs Exam Paper
Unit R114	Simulate, Construct and Test Electronic Circuits	Assignment
Unit R115	Engineering Applications of Computers	Assignment
Unit R116	Process Control Systems	Assignment

PROGRESSION

Successful completion of the Level 2 Certificate offers candidates several routes for progression:

- Direct entry into employment within the industry
- Progression to level 3 general qualifications within the national framework, especially in ICT.

Please be advised that these may be subject to change.