

AUTOMATION RESEARCH CENTRE
Technology Training Programme

SIMATIC S7 PROGRAMMING 2 Code: ARC-S7PRG2

10 Nights, 2 Nights per Week Mon & Wed or Tues. & Thurs



Automation Research Centre
University of Limerick
Limerick, Ireland
Tel: +353-61-202549
Fax: +353-61-202582
<http://www.ul.ie/~arc>

The course is aimed at programming personnel who are interested in solving a variety of SIMATIC S7 tasks. The course uses a 'hands-on' practical approach to reinforce the theoretical aspects of the training. Practical tasks are undertaken using a simulation rig and S7-300.

Pre-requisites to attending course :

Completion of SIMATIC S7 PROGRAMMING 1

Aims and Objectives of course :

- ? Be able to write advanced program and diagnose errors using S7 software package on s7-300 PLC's

Certification

PLC Open

Content:

- ? Advanced Operations
- ? Address Register Instructions and Indirect Addressing
- ? System Functions
- ? Using Libraries
- ? Data Management in User Program
- ? Configuring Single-System Communication
- ? Hardware Configuration and Planning
- ? Commissioning Procedure
- ? Commissioning of an MPI Network
- ? Distributed I/O and Parameter Assignment
- ? Extended Test Possibilities
- ? System Diagnostics
- ? Saving and Documenting the Program
- ? Overview of Optional Packages

Notes : This training is not appropriate for trainees using S7-200 based systems.



UNIVERSITY of LIMERICK
OLLSCOIL LUIMNIGH

Manager
John Hayes
Director
H Kaghazchi, MEng, MIMechE, ISA