EN7035 PLC Programming & Applications

بوليتكنك البحرين
Bahrain Polytechnic

Course Aim	To introduce advanced level theories, principles and concepts in the area of PLC-controlled automated control systems and to solve industrial process control problems using Programmable Logic Controllers (PLCs) and Human Machine Interfaces (HMI).

Short Title	PLC Programming	Version	3
Faculty	EDICT	Effective From	February 1, 2016
Polytechnic Level	6	Indicative NQF Level	7
Credits	30	Student Contact hrs	120
Pre-requisites	ENB5230 & ENB5020	Self-directed hrs	180
Co-requisites	None	Other directed hrs	0
Anti-requisites	None	Total learning hrs	300

Learning Outcomes	On successful completion of this course, students will be able to:	NQF Sub-strand
1	Apply advanced level programming skills in the design, implementation and testing of PLC programming code to solve defined or undefined industrial automation control problems.	Practical Application of knowledge
2	Apply advanced practical skills and theoretical knowledge for the integration of a range of field devices to a PLC to solve advanced industrial process control problems.	Practical Application of knowledge
3	Apply specialist level programming and testing skills in the implementation of a range of HMI applications to a process control problem.	Practical Application of knowledge