

APPROVED



Institiúid Teicneolaíochta Chorcaí
Cork Institute of Technology

Awards					
Certificate					
Programme Code:	CR_SINAU_8	Mode of Delivery:	Full Time, Part Time, ACCS	No. of Semesters:	2
NFQ Level:	8				
Embedded Award:	No	Programme Credits:	30		
programmeReviewDate:	May 2018				
Department:	PHYSICAL SCIENCES				

Programme Outcomes

Upon successful completion of this programme the graduate will be able to demonstrate... :

PO1	Knowledge - Breadth
(a)	Demonstrate a comprehensive knowledge and understanding of the methodologies and technologies of advanced industrial automation.
PO2	Knowledge - Kind
(a)	Understand in detail the issues pertaining to the application of advanced automation methodologies and technologies in a range of industrial settings.
PO3	Skill - Range
(a)	Investigate and analyse complex problems pertaining to advanced industrial automation and effectively communicate solutions.
PO4	Skill - Selectivity
(a)	Make decisions in relation to complex problems pertaining to advanced industrial automation, having due regard to their application within regulated environments.
PO5	Competence - Context
(a)	Recognise the need to consider a range of advanced industrial automation options and to select the most appropriate solution(s).
PO6	Competence - Role
(a)	Develop specifications, implement and critically assess projects and their outcomes.
PO7	Competence - Learning to Learn
(a)	Understand the role of research in developing and maintaining personal knowledge of the state-of-the-art in advanced industrial automation.
PO8	Competence - Insight
(a)	Demonstrate the capacity to summarise complex information pertaining to advanced industrial automation.

Semester Schedules

Stage 1 / Semester 1

Mandatory	
Module Code	Module Title
PHYS6006	Industrial Automation 1
PHYS7008	Industrial Automation & SCADA

Stage 1 / Semester 2

Mandatory	
Module Code	Module Title
PHYS8012	Advanced Industrial Automation
PHYS8025	Advanced Automation Project
PHYS6025	Introduction - Process Control