

APPROVED



Institiúid Teicneolaíochta Chorcaí  
Cork Institute of Technology

<b>Awards</b>					
Certificate					
<b>Programme Code:</b>	CR_SINAU_8	<b>Mode of Delivery:</b>	Full Time, Part Time, ACCS	<b>No. of Semesters:</b>	2
<b>NFQ Level:</b>	8				
<b>Embedded Award:</b>	No	<b>Programme Credits:</b>	30		
<b>programmeReviewDate:</b>	September 2023				
<b>Department:</b>	PHYSICAL SCIENCES				

## Programme Outcomes

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

<b>PO1</b>	Knowledge - Breadth
(a)	Demonstrate a comprehensive knowledge and understanding of the methodologies and technologies of advanced industrial automation.
<b>PO2</b>	Knowledge - Kind
(a)	Understand in detail the issues pertaining to the application of advanced automation methodologies and technologies in a range of industrial settings.
<b>PO3</b>	Skill - Range
(a)	Investigate and analyse complex problems pertaining to advanced industrial automation and effectively communicate solutions.
<b>PO4</b>	Skill - Selectivity
(a)	Make decisions in relation to complex problems pertaining to advanced industrial automation, having due regard to their application within regulated environments.
<b>PO5</b>	Competence - Context
(a)	Recognise the need to consider a range of advanced industrial automation options and to select the most appropriate solution(s).
<b>PO6</b>	Competence - Role
(a)	Develop specifications, implement and critically assess projects and their outcomes.
<b>PO7</b>	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.
<b>PO8</b>	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	<a href="#">Intro. Industrial Automation</a>
PHYS7008	<a href="#">Industrial Automation &amp; SCADA</a>

### Stage 1 / Semester 2

Mandatory	
Module Code	Module Title
PHYS8025	<a href="#">Advanced Automation Project</a>
PHYS6025	<a href="#">Introduction - Process Control</a>
PHYS8012	<a href="#">Advanced Industrial Automation</a>