Higher Certificate in Science in Industrial Measurement & Control

(Level 6)

Course Code	Course Fee	Enquiries
CR_SIMCT_6	€250 per 5 credit module (inc. exam fee)	Conor O'Farrell T: 021 433 5592 E: conor.ofarrell@cit.ie

Course & Module Information, and to apply online, visit **www.cit.ie/course/CRSIMCT6**

ACCS Mode

Year 1, Year 2 and Year 3 will be offered 3 evenings a week/ semester subject to student numbers.

Note: This level 6 programme will be delivered over 3 academic years. All students holding a cognate craft qualification (Electrical, Instrumentation and Electrical & Instrumentation crafts) will gain advanced entry against Year 1 and therefore must only complete Year 2 and 3. All other students must complete Year 1, Year 2 and Year 3. Advanced entry may be gained against certain Year 1 modules.

Aim

This programme of 120 credits is designed to enable skilled craftspersons working in industry to upgrade their qualifications and skills. Applications are also invited from candidates who wish to take specific modules from the programme.

Admission Requirements

1. Leaving Certificate Grade O6/H7 (pre. 2017, D3 Ordinary or Higher Level) in five subjects to include Mathematics, and either English or Irish.
2. Mature and other special category applicants will be admitted according to CIT regulations for part-time enrolment;
3. Applicants holding a relevant FETAC (now QQI) Advanced Certificate, National Craft Certificate or equivalent, other relevant Level 6 (or higher) qualifications or having relevant industrial experience will be eligible for exemptions from certain modules.

Content

All applicants who do not hold an Electrical, Instrument or Electrical Instrumentation Craft Certificate must complete SIMCT Stage 1 before entering SIMCT stage 2.

SIMCT STAGE 1 TIMETABLE

Year 1

	Semester 1	Semester 2
Mon	Maths for Craftpersons	Signal Measurement
Tues	Introduction to Instrumentation Technology	Signal Conditioning
Wed	Technology	Fundamental Physics
Thurs	Overflow Lab sessions	Overflow Lab sessions

All applicants who hold an Electrical, Instrument or Electrical Instrumentation Craft Certificate enter the programme at SIMCT Stage 2.

SIMCT STAGE 2 TIMETABLE

Year 2

	Semester 1	Semester 2
Mon	Industrial Automation	Instrument Calibration
Tues	Instrument Measurement	Process Control
Wed	Practical Computer Technology	Maths for Physical Sciences
Thurs	Overflow Lab Sessions	Overflow Lab Sessions

SIMCT STAGE 3 TIMETABLE Year 3		
	Semester 1	**Semester 2**
Mon	Intro to Stats for Physical Sciences	Maths for Science 2.1
Tues	Applications of Automation	Graphics & Engineering Design
Wed	Introduction to Utilities	Process Instrumentation
Thurs	Overflow Lab Sessions	Overflow Lab Sessions

Note: Exemptions from certain modules on this programme are automatically granted to holders of FETAC (now QQI) Advanced Certificates or equivalent, in a relevant craft and are not listed above. Other applicants may have to take additional modules.

Award

Single module certification within the Higher Certificate in Science in Industrial Measurement & Control.

The major award of the Higher Certificate in Science in Industrial Measurement & Control (Level 6 on the National Framework of Qualifications) will be received by students who successfully complete the course programme.

Further Studies at CIT

Graduates of the Higher Certificate in Science in Industrial Measurement & Control may proceed onto the Level 7 Bachelor of Science in Applied Physics and Instrumentation, subject to availability of places.