

Micro Credential



Fundamentals of Cleanroom Semiconductor OEM Qualification Name Cleanroom Technician Semiconductor Manufacturing

MCr Code: ELE/MCr-0004

Version: 1.0

NSQF Level: 4.5

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ELE/MCr-0004 : Fundamentals of Cleanroom Semiconductor OEM Qualification Name Cleanroom Technician Semiconductor Manufacturing

Description

The Fundamentals of Cleanroom Semiconductor is an upskilling course that equips learners with the overview and knowledge to work effectively in a semiconductor manufacturing cleanroom environment. The curriculum emphasizes overview understanding cleanroom protocols, monitoring equipment, maintaining cleanliness, and ensuring contamination control to meet industry standards.

Micro Credential Module Details and Duration

Training Delivery Mode		Theory (Hours)	Practical (Hours)	Total (Hours)
Blended	Classroom Offline	0000:00	0018:00	18:00
	Online	0012:00	0000:00	12:00
	Total	12:00	18:00	30:00

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Assessment Criteria

Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Passing Percentage
40	60	-	-	100	70

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Micro Credential (MCr) Parameters

MCr Code	ELE/MCr-0004
MCr Name	Fundamentals of Cleanroom Semiconductor OEM Qualification Name Cleanroom Technician Semiconductor Manufacturing
Sector	Electronics
NSQF Level	4.5
Credits	1
Version	1.0
Minimum Job Entry Age	16
Minimum Educational Qualification & Experience	Completed 3 year diploma after 10th (Diploma after 10th in Electronics and Communication Engineering/ Electrical Engineering domain) with 6 Months of experience Relevant Experience in Semiconductor Domain OR 12th Class (12th in Science or Equivalent in science) with 1.5 years of experience Relevant Experience in Semiconductor Domain OR 10th Class (10th or equivalent) with 4.5 years of experience Relevant Experience in Semiconductor Domain OR Previous relevant Qualification of NSQF Level (4) with 1.5 years of experience Relevant Experience in Semiconductor Domain
Pre-Requisite License or Training	NA
Last Reviewed Date	07/10/2025
Next Review Date	07/10/2028
NSQC Clearance Date	07/10/2025
Reference code on NQR	NM-4.5-EH-045012025-V1-ESSCI
NQR Version	1