

## Micro Credential



# Essentials of Refrigeration and Air Conditioning

MCr Code: ELE/MCr-0001

Version: 1.0

NSQF Level: 3

Electronics Sector Skills Council of India || 155, 2nd Floor, ESC House Okhla Industrial Area-Phase 3  
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## Micro Credential

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ELE/MCr-0001

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## Micro Credential

### ELE/MCr-0001 : Essentials of Refrigeration and Air Conditioning

#### Description

This Essentials of Refrigeration and Air Conditioning job role covers, air-conditioning fundamentals, service practices, refrigerant properties & alternative low GWP refrigerants, and safety protocols. It includes hands-on training on refrigerant charging & recovery, brazing, and installation, emphasizing technician certification and adherence to international standards for safe, efficient operations & environmental impacts.

#### Micro Credential Module Details and Duration

Training Delivery Mode		Theory (Hours)	Practical (Hours)	Total (Hours)
Blended	Classroom Offline	0000:00	0008:00	08:00
	Online	0007:00	0000:00	07:00
	Total	07:00	08:00	15:00



## Micro Credential

### Assessment Criteria

Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Passing Percentage
50	50	-	-	100	50



## Micro Credential

### Micro Credential (Mcr) Parameters

<b>Mcr Code</b>	ELE/MCr-0001
<b>Mcr Name</b>	Essentials of Refrigeration and Air Conditioning
<b>Sector</b>	Electronics
<b>NSQF Level</b>	3
<b>Credits</b>	0.5
<b>Version</b>	1.0
<b>Minimum Educational Qualification &amp; Experience</b>	8th grade pass with 3 Years of experience Relevant Field OR Certificate-NSQF (Level 2.5) with 3 Years of experience Relevant Field OR 10th Class (or Equivalent) with 1.5 years of experience Relevant Field
<b>Pre-Requisite License or Training</b>	NA
<b>Last Reviewed Date</b>	12/08/2024
<b>Next Review Date</b>	12/08/2029
<b>NSQC Clearance Date</b>	12/08/2024
<b>Reference code on NQR</b>	NM-03-EH-02835-2024-V1-ESSC
<b>NQR Version</b>	1