



## Certificate in Air-Conditioning & Mechanical Refrigeration Systems

Key items	Course
<b>Course Title:</b>	<b>Certificate in Air-Conditioning &amp; Mechanical Refrigeration System</b>
<b>Course Reference No.:</b>	-
<b>Funding Availability:</b>	NA
<b>Funding Validity Period:</b>	NA
<b>Course Overview:</b>	<p>There is steady demand for air-conditioning and refrigeration personnel in commercial, industrial and institutional settings.</p> <p>This 3-day certificate course provides a broad introduction to air-conditioning and refrigeration systems including everyday operation and important safety practices. By the end of the course, the participants will get to know the common practices for general operation and maintenance of AC &amp; Refrigeration systems and how to keep them to run efficiently and consistently.</p>
<b>Who Should Attend:</b>	<ul style="list-style-type: none"> <li>• Anyone with little or no previous knowledge of air-conditioning &amp; refrigeration systems and want to earn extra cash by servicing air-conditioning units</li> <li>• Anyone seeking to improve AC &amp; Refrigeration operation and maintenance skills</li> </ul>
<b>Course Objectives:</b>	<ul style="list-style-type: none"> <li>• Understand the principles of air-conditioning and types of air-conditioning systems</li> <li>• To learn basic design considerations and concepts of indoor environmental comforts</li> <li>• Acquire knowledge of solving condensation problems and sizing thermal insulation</li> <li>• Learn on basic mechanical refrigeration systems, system components and refrigerants used</li> <li>• Learn about maintenance schedules, servicing, system diagnostics, trouble shooting and tune up to gain maximum efficiency</li> </ul>
<b>Course Duration:</b>	24 hours (incl. of 2 hours assessment)
<b>Course Fees:</b>	\$450
<b>Mode of Instruction:</b>	Classroom-facilitated Training
<b>Mode of Delivery:</b>	Full-time/Part-Time
<b>Mode of Assessment:</b>	At the end of the course, learners are required to complete a total of 2 hours of written assessment
<b>Attendance Requirement:</b>	Trainee must achieve 75% attendance for the entire course
<b>Passing Criteria:</b>	Written Assessment: 70% to Pass
<b>Qualification:</b>	Upon successful completion of course and assessment, learners will be awarded Certificate of Successful Completion endorsed by Avanta Academy.
<b>Entry Qualification:</b>	Learners are assumed to: <ul style="list-style-type: none"> <li>• ESS Workplace literacy and numeracy Level 3 and above</li> </ul>
<b>Average Teacher to Student Ratio:</b>	1:12