

B.Voc. in Refrigeration and Air Conditioning

Syllabus

First Semester	<ol style="list-style-type: none">1. Language – I2. Applied Chemistry3. Applied Physics4. Applied Mathematics-I5. Applied Chemistry Lab6. Applied Physics Lab <p>On-Job-Training (OJT)/Qualification Packs (Choose Any One)</p> <ol style="list-style-type: none">1. Operator – Conventional Training (CSC/Q0110)2. Fitter – Fabrication (CSC/Q0303)3. Assistant MMAW SMAW Welder (CSC/ Q 0202)
Second Semester	<ol style="list-style-type: none">1. General Foundation Course –I2. Basic Electricity3. Basic Electronics4. Applied Mathematics – II5. Basic Electricity – Lab6. Basic Electronics – Lab <p>On-Job-Training (OJT)/Qualification Packs (Any One)</p> <p>1. One more QP to be opted from the QPs mentioned in Level 3 first semester</p>
Third Semester	<ol style="list-style-type: none">1. Engineering Science

	<p>2. Soldering & Desoldering of Components - I</p> <p>3. IT Tools</p> <p>4. Language – II</p> <p>5. Engineering Science Lab.</p> <p>6. IT Tools (Practical)</p> <p>On-Job-Training (OJT)/Qualification Packs (Any One)</p> <p>1. Functional Tester – RAC (ELE/Q3601)</p> <p>2. Manual Soldering Technician (ELE/Q0105)</p> <p>3. Fitter – Mechanical Assembly (CSC/Q0304)</p> <p>4. Draftsman – Mechanical (CSC/Q 0402)</p>
Four Semester	<p>1. General Foundation Course –II</p> <p>2. Manufacturing Technology</p> <p>3. Basics of Applied Thermodynamics</p> <p>4. Electrical Machines (787)</p> <p>5. Material Science Lab</p> <p>6. Production Practice Lab - I</p> <p>On-Job-Training (OJT)/Qualification Packs (Any One)</p> <p>1. One more QP to be opted from the QPs mentioned in Level 4 first semester</p>

Fifth Semester	<ol style="list-style-type: none"> 1. Basics of Refrigeration 2. Basics of Air Conditioning 3. Engineering Material 4. Soldering & Desoldering of Components & Emergency actions II 5. Metrology and Measuring Instruments Lab 6. Heat Transfer lab. <p>On-Job-Training (OJT)/Qualification Packs (Any One)</p> <ol style="list-style-type: none"> 1. Field Technician- AC (ELE/Q 3102) 2. Field Technician- Refrigeration (ELE/Q 3103) 3. Field Engineer- RACW (ELE/Q3105)
Sixth Semester	<ol style="list-style-type: none"> 1. Industrial Management 2. Total Quality Management 3. Entrepreneurship 4. Refrigeration & Air Conditioning Applications 5. Project <p>On-Job-Training (OJT)/Qualification Packs (Any One)</p> <ol style="list-style-type: none"> 1. One more QP to be opted from the QPs mentioned in Level 5 first semester