

Level Chart: Refrigeration and Air Conditioning Mechanic - Technical Training

| Level One (9 Weeks) COMMON CORE UNITS | | | | Level Two (9 Weeks) COMMON CORE UNITS | | | |
|---------------------------------------|-------------------------------------|------------------|-----------|---------------------------------------|---|------------------|------------|
| Code | Unit Title | T | P | Code | Unit Title | T | P |
| A1 | Learning About Work | 7 | 0 | B1 | Drawings, Blueprints and Specifications | 11 | 10 |
| A2 | Trade Safety Awareness | 7 | 0 | B2 | HVAC/R Activities II | 18 | 10 |
| A3 | Tools and Equipment | 25 | 10 | B3 | HVAC/R Systems Installation | 40 | 30 |
| A4 | Equipment and Service Documents | 14 | 0 | B4 | Control Systems Installation I | 27 | 15 |
| A5 | Trade Related Communications | 7 | 0 | B5 | HVAC/R Systems Service | 38 | 28 |
| A6 | Trade Related Mathematics | 24 | 0 | B6 | Control Systems Service I | 15 | 6 |
| A7 | Thermodynamic and Heat Fundamentals | 28 | 0 | B7 | Motors I | 16 | 5 |
| A8 | HVAC/R Activities I | 33 | 30 | B8 | Pipe Threading and Assembly | 4 | 17 |
| A9 | HVAC/R System Fundamentals | 32 | 10 | B9 | Gas Code II | 20 | 5 |
| A10 | Electrical and Control Fundamentals | 43 | 20 | | | | |
| A11 | Gas Code I | 20 | 5 | | | | |
| | Subtotals | 240 | 75 | | Subtotals | 189 | 126 |
| | Total | 315 Hours | | | Total | 315 Hours | |

Common Core levels for Refrigeration and Air Conditioning Mechanic and Refrigeration and Air Conditioning Mechanic (Residential)

| Level Three (9 Weeks) | | | | Level Four (9 Weeks) | | | |
|-----------------------|----------------------------------|------------------|------------|----------------------|---|------------------|-----------|
| Code | Unit Title | T | P | Code | Unit Title | T | P |
| C1 | HVAC Estimation and Coordination | 11 | 10 | D1 | Refrigeration Estimation and Coordination | 7 | 7 |
| C2 | HVAC Systems Installation | 43 | 20 | D2 | Refrigeration Systems Installation | 25 | 10 |
| C3 | Control Systems Installation II | 25 | 13 | D3 | Control Systems Installation III | 25 | 10 |
| C4 | HVAC Systems Service | 23 | 33 | D4 | Refrigeration Systems Service | 35 | 28 |
| C5 | Control Systems Service II | 25 | 10 | D5 | Control Systems Service III | 20 | 8 |
| C6 | Motors II | 15 | 6 | D6 | Industrial Refrigeration Systems | 56 | 7 |
| C7 | Duct Systems | 16 | 12 | D7 | Journeyman Trainer | 7 | 0 |
| C8 | HVAC Heat Pump Retrofit | 21 | 7 | D8 | Pre-Interprovincial Exam Review | 70 | 0 |
| C9 | Gas Code III | 20 | 5 | | | | |
| | Subtotals | 199 | 116 | | Subtotals | 245 | 70 |
| | Total | 315 Hours | | | Total | 315 Hours | |

T – Theory hours

P – Practical hours