Refrigeration and Air-Conditioning Mechanic

Though the academic requirement for an apprenticeship in this trade is Grade 10, courses for higher grades are provided for the information of students pursuing secondary school graduation.

**Grade 9**
- English, Applied/Academic
  - ENG1P/ENG1D
- Foundations/Principles of Mathematics, Applied/Academic
  - MFM1P/MPM1D
- Science, Applied/Academic
  - SNC1P/SNC1D

**Grade 10**
- English, Applied/Academic
  - ENG2P/ENG2D
- Foundations/Principles of Mathematics, Applied/Academic
  - MFM2P/MPM2D
- Science, Applied/Academic
  - SNC2P/SNC2D

**Grade 11**
- English, Workplace Preparation
  - ENG3E
- Mathematics for Everyday Life, Workplace Preparation
  - MEL3E

**Grade 12**
- English, Workplace Preparation
  - ENG4E
- Mathematics for Everyday Life, Workplace Preparation
  - MEL4E

**Postsecondary Destination**
- Refrigeration and Air-Conditioning Mechanic Apprenticeship
  - Length of Apprenticeship: 4 1/2 years
  - Installs, assembles, and repairs components of large and small refrigeration and air-conditioning systems in residential, commercial and industrial settings; assembles or connects required refrigeration pipes.

**Experiential Learning**
- Job Shadowing
- Work Experience

**Ontario Youth Apprenticeship Program**
- Cooperative Education

The course recommendations in the chart are intended to help students choose courses that would most benefit them if their goal is to enter an apprenticeship upon graduation. This chart is based on an alignment of the expectations in the Ontario curriculum developed by the Ministry of Education with the knowledge and skills identified in Evaluating Academic Readiness for Apprenticeship Training (EARAT), an academic skills inventory developed by the Ministry of Training, Colleges and Universities. It also makes recommendations about experiential learning opportunities, using the guidelines contained in Cooperative Education and Other Forms of Experiential Learning: Policies and Procedures for Ontario Secondary Schools, 2000.

Students who complete technological education courses will benefit from them because of the additional preparation for apprenticeship training such courses offer. However, those students who cannot access these courses will still be well prepared for apprenticeships if they follow the pathways set out above.

*This course is beneficial for a very limited number of concepts contained in its expectations; these may be acquired through self-study.*