Facilities Systems Technician

The academic requirement for an apprenticeship in this trade is Grade 12.

Grade 9
- English, Applied/Academic
  ENG1P/ENG1D
- Foundations/Principles of Mathematics, Applied/Academic
  MFM1P/MPM1D
- Science, Applied/Academic
  SNC1P/SNC1D
- Experiential Learning
  Job Shadowing

Grade 10
- English, Applied/Academic
  ENG2P/ENG2D
- Foundations/Principles of Mathematics, Applied/Academic
  MFM2P/MPM2D
- Science, Applied/Academic
  SNC2P/SNC2D
- Experiential Learning
  Work Experience

Grade 11
- English, Workplace Preparation
  ENG3E
- Mathematics for Everyday Life, Workplace Preparation
  MEL3E
- Experiential Learning
  Ontario Youth Apprenticeship Program / Cooperative Education

Grade 12
- English, Workplace Preparation
  ENG4E
- Mathematics for Everyday Life, Workplace Preparation
  MEL4E
- Physics, College Preparation
  SPH4C*
- Experiential Learning
  Ontario Youth Apprenticeship Program / Cooperative Education

Postsecondary Destination
Facilities Systems Technician Apprenticeship
Length of Apprenticeship: 4 years
Operates, diagnoses, and maintains air-conditioning, ventilation, chiller and refrigeration, water treatment, heating, pumping, low-pressure boiler, and control systems; monitors and operates electrical and plumbing systems; inspects and verifies emergency power, fire suppression, and sprinkler systems.

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.