

## **INSULATOR APPRENTICESHIP COURSE SUMMARIES**

### **COURSE INA3400: INTRODUCTION & SAFETY**

Students develop an understanding of how the apprenticeship program operates along with noise control safety specific to various insulation jobs.

*Prerequisite: INA3900: Apprenticeship Safety*

### **COURSE INA3405: ASBESTOS AWARENESS**

Students develop an understanding of safety specific to working with asbestos.

*Prerequisite: INA3900: Apprenticeship Safety*

### **COURSE INA3410: BONDING**

Students develop an understanding of how adhesives, cements and mastics work and where they are to be used. They also learn theoretical and practical knowledge of how to prepare various substrates and apply adhesives, cements and mastics correctly.

*Prerequisite: INA3900: Apprenticeship Safety*

### **COURSE INA3415: PIPE INSULATION**

Students learn the fabrication and application of various insulation type fittings on pipe, taking into account the location of the pipe and the purpose of the pipe.

*Prerequisite: INA3900: Apprenticeship Safety*

### **COURSE INA3420: TOOLS & MATERIALS**

Students learn to operate and maintain hand and power tools and use materials safely to complete various insulating jobs.

*Prerequisite: INA3900: Apprenticeship Safety*

### **COURSE INA3425: FIBRES & FOAM**

Students learn about ceramic fibre insulation and extruded foam plastic insulation applications and associated health risks.

*Prerequisite: INA3900: Apprenticeship Safety*

### **COURSE INA3430: POLYSTYRENES & WRAPS**

Students learn about polystyrene insulation and calcium silicate insulation applications and associated health risks.

*Prerequisite: INA3900: Apprenticeship Safety*

### **COURSE INA3435: WOOL & FIBREGLASS**

Students learn about mineral wool insulation and fibreglass insulation applications and associated health risks.

*Prerequisite: INA3900: Apprenticeship Safety*

### **COURSE INA3440: CELLULAR GLASS**

Students learn about cellular glass insulation, polyurethane insulation and nanofiber insulation applications and associated health risks.

*Prerequisite: INA3900: Apprenticeship Safety*

**COURSE INA3445: MATHEMATICS**

Students develop a basic understanding of mathematics skills necessary to successfully and accurately work in the insulator trade.

*Prerequisite: INA3900: Apprenticeship Safety*

**COURSE INA3450: BLUEPRINTS**

Students learn how to read and interpret blueprints to correctly determine measurements and locations. Students also develop an understanding of scale and dimension and the use of common styles of drawings.

*Prerequisite: INA3900: Apprenticeship Safety*

**COURSE INA355: INA PRACTICUM A**

Students, on the work site, continue to develop and refine those competencies developed in related Career and Technology Studies (CTS) occupational areas, previous practicums and other experiences.

*Prerequisite: None*

**COURSE INA3460: INA PRACTICUM B**

Students, on the work site, continue to develop and refine those competencies developed in related career and technology studies (CTS) occupational areas, previous practicums and other experiences.

*Prerequisite: None*

**COURSE INA3465: INA PRACTICUM C**

Students, on the work site, continue to develop and refine those competencies developed in related career and technology studies (CTS) occupational areas, previous practicums and other experiences.

*Prerequisite: None*

**COURSE INA3470: INA PRACTICUM D**

Students, on the work site, continue to develop and refine those competencies developed in related career and technology studies (CTS) occupational areas, previous practicums and other experiences.

*Prerequisite: None*

**COURSE INA3900: APPRENTICESHIP SAFETY**

Students develop knowledge, skills and attitudes in the practice of workshop health and safety, communication and career planning.

*Prerequisite: None*