

Insulator (INA) Apprenticeship Curriculum Mapping

Program Curriculum

A collection of 12 CTS courses has been developed to align with the current Insulator Apprenticeship Course Outline. These courses, when combined, cover the First Period technical training content.

| Alberta Apprenticeship Training Profile First Period | CTS Course Alignment to Apprenticeship First Period Topics | Assessment |
|---|---|------------|
| Topic | CTS Course Number and Name | |
| SECTION ONE – STANDARD WORKPLACE SAFETY, MATERIALS & TOOLS | | |
| Safety Legislation, Regulations and Industry Policy in the Trades | INA3900: Apprenticeship Safety | |
| Climbing, Lifting, Rigging and Hoisting | | |
| Hazardous Materials and Fire Protection | | |
| Apprenticeship and Industry Training System Orientation | INA3400: Introduction & Safety | |
| Safety and Noise Control | | |
| Asbestos Awareness | INA3405: Asbestos Awareness | |
| SECTION TWO – ACCESSORIES, TOOLS AND EQUIPMENT | | |
| Adhesives, Cements and Mastics | INA3410: Bonding | |
| Insulation Fittings | INA3415: Pipe Insulation | |
| Insulation Fasteners | | |
| Insulation Finishes | | |
| Trade Tools and Shop Equipment | INA3420: Tools & Materials | |
| Material Handling | | |
| Stud Welders | | |
| SECTION THREE – HOT AND COLD APPLICATIONS | | |
| Ceramic Fibre Insulation | INA3425: Fibres & Foam | |
| Extruded Foam Plastic Insulation | | |
| Polystyrene Insulation | INA3430: Polystyrenes & Wraps | |
| Calcium Silicate Insulation | | |
| SECTION FOUR – DUAL-TEMPERATURE APPLICATIONS | | |
| Mineral Wool Insulation | INA3435: Wool & Fibreglass | |
| Fibreglass Insulation | | |

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|---|---|------------|
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| SECTION FOUR – DUAL-TEMPERATURE APPLICATIONS CONTINUED | | |
| Cellular Glass Insulation | INA3440: Cellular Glass | |
| Polyurethane Insulation | | |
| Nanofiber Insulation | | |
| SECTION FIVE – MATHEMATICS AND BLUEPRINTS I | | |
| Applied Mathematics | INA3445: Mathematics | |
| Perimeters and Areas | | |
| Blueprint Fundamentals | INA3450: Blueprints | |
| Types of Drawings | | |
| Division of Blueprints | | |
| CTS COURSES THAT ALLOW STUDENTS ADDITIONAL PRACTICAL TIME | | |
| | INA3455: INA Practicum A | |
| | INA3460: INA Practicum B | |
| | INA3465: INA Practicum C | |
| | INA3470: INA Practicum D | |