

ROAD BUILDER & HEAVY CONSTRUCTION FOUNDATION PROGRAM

Credential Issued:

SkilledTradesBC Certificate of Completion (Road Builder & Heavy Construction Foundation Program)

Program Description:

The program is intended to serve as a pre-employment program for individuals who wish to enter the road building and heavy construction industry.

Program Duration & Structure:

The program will be delivered in a variety of formats combining in-school training, self-study and work site tours designed to meet the competency standards and profile defined by the industry, and will generally take 4 weeks to complete. The program includes:

- In-school: 120 hours (4 weeks)

Program Completion Requirements:

Completion of 120 in-school hours:

- Module A (46 hours) written module examination
- Module B (36 hours) written module examination
- Module C (26 hours) written module examination
- Module D (12 hours) written module examination

SkilledTradesBC Certification examination

Program Challenge Requirements:

- Not Applicable

Program Pre-requisites:

Pre-registration requirement

- Grade 10 English and Math Equivalency

Assessment Methods:

- In-school assessments (practical and written exams)
- Module exams
- Final Assessment (SkilledTradesBC Certification examination)

Linkages to Other Credentials:

The Foundation will serve as a prerequisite for entry into any of the following Recognized Industry Training Programs which are currently under development:

- Asphalt / Lay-down Technician
- Heavy Equipment Technician

Prior Learning Assessment:

n/a

Program Standards Documentation:

- Program Outline

Industry Program Standards Mechanism:

Road Builder & Heavy Construction Training Standards Committee

Program Providers:

The program is delivered by public post-secondary institutions, private training institutions, and secondary schools that have been approved by SkilledTradesBC.

Technical Training Content:

Module A (Industry Orientation & Overview)

Orientation to Road Construction and Heavy Construction
Worksite Health & Safety Practices
Environmental Requirements

Module B (Tools, Equipment Operations and Maintenance)

Hand and Power Tools Ladders and Scaffolds Rigging and Material Handling
Basic Road Building and Heavy Construction Equipment Operation and Maintenance
Small Road Building and Construction Equipment

Module (Civil Engineering Principles)

Surveying and Construction
Drainage
Basic Soil Mechanics / Geology
Principles of Excavation and Shoring
Aggregates
Asphalt Pavement
Concrete

Module D (Worksite Preparation)

Employment Skills
Worksite Employee Roles
Construction Worksite Team Skills
Communication Skills

Approved: September 2005

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