



Locksmith

Guide to Course Content

2023

DESCRIPTION OF THE LOCKSMITH TRADE

Locksmiths evaluate and advise customers of security and access needs. Locksmiths install, adjust, and repair locks, safes, make keys, and change lock combinations. They work on residential, automotive, commercial and institutional locksets and door hinges and hardware. Locksmiths may also install and maintain more sophisticated security systems.

Training Requirements: To graduate from each level of the apprenticeship program, an apprentice must successfully complete the required technical training and compile enough on-the-job experience to total at least 1800 hours each year. Although technical training is three levels, the total trade time required is 7200 hours and at least 4 years in the trade. The three levels of technical training are delivered by Red Deer College in Red Deer, Alberta:

- Level One: 8 weeks
- Level Two: 8 weeks
- Level Three: 8 weeks

Entrance Requirements for Apprenticeship Training

Your grade twelve transcripts (with no modified classes) or GED 12 is your guarantee that you meet the educational entrance requirements for apprenticeship in Saskatchewan. In fact, employers prefer and recommend apprentices who have completed high school. This ensures the individual has all of the necessary skills required to successfully complete the apprenticeship program and receive journey person certification.

Individuals with “modified” or “general” classes in math or science do not meet our entry requirements. These individuals are required to take an entrance assessment prescribed by the SATCC.

English is the language of instruction in all apprenticeship programs and is the common language for business in Saskatchewan. Before admission, all apprentices and/or “upgraders” must be able to understand and communicate in the English language. Applicants whose first language is not English must have a minimum Canadian Language Benchmark Assessment of six (CLB6).

Note: A CLB assessment is valid for a one-year period from date of issue.

Designated Trade Name	Minimum Class Requirements		Recommended /Assets
	Mathematics (one of the following)	Science	
Locksmith	WA 10 or F 10 or P 10 or Math 10	10	③, ⑥, ⑦

WA - Workplace and Apprenticeship; **F** – Foundations; **P** – Pre-calculus; **①** Biology 10; **②** Chemistry 20; **③** Physics 20; **④** Biology 30; **⑤** Chemistry 30; **⑥** Physics 30; **⑦** English and Math at Level 30

TECHNICAL TRAINING COURSE CONTENT

Technical Training is delivered out of province by Red Deer Polytechnic located in Red Deer, Alberta.

Level One**8 weeks****240 hours**

Trade Skills, Safety and Business Applications

- Safety legislation, regulations and industry policy in the trades
- Climbing, lifting, rigging and hoisting
- Hazardous materials and fire protection
- Apprenticeship training program
- Codes, regulations and standard procedures
- Inventory management
- Customer service and sales
- Reference materials

Tools and Equipment

- Tools and equipment
- Locksmithing tools
- Commercial vehicle operation
- Key cutting equipment

Keys, Lock Cylinders, High Security and Open Ups

- Key duplication
- Lock cylinders and high security
- Lock cylinder service
- Key origination
- Open secured entry

Vehicle and Equipment Lock Service

- Vehicle and equipment lock service
 - Automotive open ups
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Level Two**8 weeks****240 hours**

Master Key Systems

- Master key system design
 - Master key system implementation
 - Master key maintenance
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Hardware

- Locking hardware identification
 - Locking hardware installation
 - Locking hardware service
 - Non-locking hardware identification
 - Non-locking hardware installation
 - Non-locking hardware service
 - Commercial hardware identification
 - Commercial hardware installation
 - Commercial hardware service
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Doors and Barrier Free Systems

- Door installation
- Door service
- Barrier-free systems

Level Three**8 weeks****240 hours**

Electric, Electronic and Electrified Components and Hardware

- Principles of electricity
 - Electric, Electronic and Electrified Components and Hardware Identification
 - Electric, Electronic and Electrified Components and Hardware Installation
 - Electric, Electronic and Electrified Components and Hardware Service
 - Access control system installation
 - Access control system service
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Safe and Vault Identification and Service

- Safe and vault identification
 - Safe and vault service
 - Safe installation
 - Night depository service
 - Safe deposit box lock service
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Safe and Vault Opening

- Safe and vault open ups
 - Safe deposit box opening
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Institutions, Drawing Interpretation, Standards and Practices

- Institutional locks
- Drawing interpretation
- Security consultation
- Workplace coaching skills
- Alberta's industry network